# A.R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.


## AUTHENTICATION CERTIFICATE

The Number of Add on / Certificate / Value added programs offered during the last five years are 34 and those courses are not a part of curriculum prescribed by Anna University.

| Details | Academic Year | | | | |
|---|---|---|---|---|---|
| | 2021-2022 | 2020-2021 | 2019-2020 | 2018-2019 | 2017-2018 |
| Number of Add-on Programs | 6 | 6 | 7 | 8 | 7 |
| Total no of Add-on Programs | 34 | | | | |

**1.2.2Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years**

| ACADEMIC YEAR | 2022-2023 | 2021-2022 | 2020-2021 | 2019-2020 | 2018-2019 |
|---|---|---|---|---|---|
| NUMBER | 167 | 134 | 168 | 141 | 135 |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

# ACADEMIC YEAR

# 2022 - 2023

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM
KAPPIYAMPULIYUR

# A. R. ENGINEERING COLLEGE

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**Academic Year: 2022-2023**

| SI. NO | Name of Add on /Certificate programs offered | Course code | Department | Year of Offering | No of times offered during the same year | Date& Year | Duration of course | No of students enrolled | No of studen comple the cou in the |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Add-on course on vehicle development programme | VACM ECH10 1 | MECH | IV,III | 1 | 13.08.2022 To 1.10.2022 | 30 | 20 | 20 |
| 2 | Certificate program on PCB Design | VACE EE102 | EEE | II,III,IV | 1 | 13.08.2022 To 1.10.2022 | 30 | 25 | 25 |
| 3 | Certificate program on PYTHON | VACS &H103 | S&H | I,II | 1 | 13.08.2022 To 03.10.2022 | 31 | 49 | 49 |
| 4 | Add-on course in Machine learning | VACE CE104 | ECE | III,I | 1 | 27.03.2023 To 08.06.2023 | 30 | 14 | 14 |
| 5 | Add-on course on DOTNET | VACS E105 | CSE | II | 1 | 27.03.2023 To 09.06.2023 | 31 | 12 | 12 |
| 6 | Add-on course on C# | VACC SE106 | CSE AI&DS | I,II I | 1 | 27.03.2023 To 08.06.2023 | 30 | 47 | 47 |

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## DEPARTMENT OF MECHANICAL ENGINEERING

## PERMISSION LETTER

Date:03.08.2022

**From**

The Hod
Department of mechanical engineering
AR Engineering college
Kappiyampuliyur

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB:**Seeking permission to conduct Value added course.

**Respected sir,**

As per academic excellence it is planned to conduct value-added course to our students in the field of advance manufacturing.The duration of the programme is planned 30 hours and it is scheduled between **13.8.2022 to 01.10.2022** your kind permission is sought for conducting the programme.

**Name of the Course** : Value added course on vehicle development programme.

**CourseCoordinator** : R.Manivannan
Assistant professor/Department of MECH
AR Engineering College
Kappiyampuliyur.

Thanking you

YOUR'S SINCERELY

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## DEPARTMENT OF MECHANICAL ENGINEERING

## CIRCULAR

Date:04.08.2022

**SUB** : Value added course on vehicle development programme.

As part of academic excellence , it is planned to conduct value-added course to our students in the field of advance manufacturing.The duration of the program is planned as 30 hours it is scheduled between your permissions sough for conduct the program.

**COURSE DETAILS:**

| | |
|---|---|
| **Course title** | Value added course on vehicle development programme |
| Course code | VACMECH101 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | **13.08.2022 to 01.10.2022** |
| Timing | 05 PM TO 6 PM |
| Course Co-Ordinator | Mr.R.Manivannan |
| Resource person | Mr.S.Ramamoorthy |
| Certificate | yes |

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## A.R ENGINEERING COLLEGE

"Value added course on vehicle development programme"

**Department of Mechanical**

**13.08.2022 to 1.10.2022**

Time: 5PM TO 6 Pm

**Co-coordinator:**

Mr.R.Manivannan

**Resource Person:**

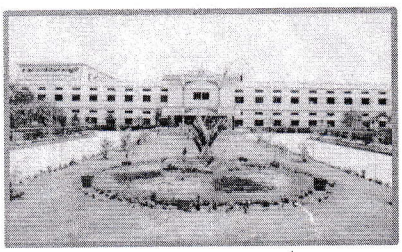
Mr.S.RAMAMOORTHY
HOD/Department of MECH

**Organized by**

DEPARTMENT OF MECH

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION:

**No registration fee**.There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program .

### Resource Person

Mr.S.RAMAMOORTHY
HOD/Department of MECH
AREC
Kappiyampuliyur

### Organizing co-ordinator:

Mr.R.Manivannan
Assistant proffesor
Department of MECH
AREC
Kappiyampuliyur.

**A.R ENGINEERING COLLEGE**

"Value added course on vehicle development programme"

**13.08.2022 to 1.10.2022**

Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :
E-mail :
Signature Of The Participant:
Date :

Place :

Participants need to register through A.R provide link on mentioned below :

Registration link :
https://arec.vehicle devep.vac/signup

A.R ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF MECHANICAL ENGINEEEING

## VEHICLE DEVELOPMENT PROGRAMME

DATE:13.08.2022 to 1.10.2022 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Vehicle development projects | 13.08.2022 , 16.08.2022 , 17.08.2022 , 18.08.2022 , 20.08.2022 | 5 hrs |
| 2 | Virtual car process | | |
| 3 | Management processes for complete vehicle development | | |
| 4 | Customer relevant complete vehicle characteristic sphase-i | | |
| 5 | Customer relevant complete vehicle characteristic sphase-ii | | |
| 6 | Aesthetics, trend, style Analysis<br>Readings and exercises in mobility related topics<br>Tasks/small projects related to | 22.08.2022 , 23.08.2022 , 24.08.2022 , 25.08.2022 , 26.08.2022 | 5hrs |
| 7 | Product planning, development of product brief.<br>Concept generation, creativity and innovation | | |
| 8 | Evaluation techniques. Peer reviews. | | |
| 9 | Understanding of the packaging concept and the problems connected with traveling space, technology, ergonomics and aesthetics/ styling. | | |
| 10 | Readings and exercises in mobility related topics<br>Tasks/small projects related to topic | 29.08.2022 , 30.08.2022 , 01.09.2022 , 02.09.2022 , 03.09.2022 , 05.09.2022 , 15.09.2022 , 16.09.2022 , 17.09.2022 | 9hrs |
| 11 | Study of systems in a vehicle. Power system: | | |
| 12 | Gasoline, diesel, bio-diesel, electrical, hybrids, solar, | | |
| 13 | wind, compressed air, fuel cell, hydrogen etc. | | |
| 14 | Transmission system: clutch, gear trains, differential. | | |
| 15 | .Suspension, steering, brakes etc | 19.09.2022 | 1hrs |
| 16 | Industrial Fabrics | 20.09.2022 , 21.09.2022 , 22.09.2022 , 23.09.2022 , 24.09.2022 , 26.09.2022 , | 6hrs |
| 17 | Controls: Clutch, gear, dash board | | |
| 18 | display, and automatic control | | |
| 19 | Vehicle dynamics. Aerodynamics of vehicles. | | |
| 20 | Vehicle structure-chassis, mononcoque, pre | | |
| 21 | stressed, sheet metal details & tooling. | 28.09.2022 , 29.09.2022, 30.09.2022,01.10.2022 | 4 hrs |
| 22 | Modern assembly (robotic) and finishing | | |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF MECHANICAL ENGINEERING
### VEHICLE DEVELOPMENT PROGRAMME

**STUDENT NAME LIST:[III,IV]** **DATE:13.08.2022 to 01.10.2022**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420319114001 | ENIYAN. P | IV | |
| 2 | 420319114002 | MOHAN. D | IV | |
| 3 | 420319114301 | RAJAN. R | IV | |
| 4 | 420319114302 | VINAYAGAMOORTHI .V | IV | |
| 5 | 420319114501 | SRIDHAR .M | IV | |
| 6 | 420320114001 | ABINASH. H | III | |
| 7 | 420320114002 | ELANGO .S | III | |
| 8 | 420320114005 | NISHANTH. S | III | |
| 9 | 420320114006 | PHILOMIN DASS. G | III | |
| 10 | 420320114007 | RAJADURAI. K | III | |
| 11 | 420320114008 | ROHITH .A | III | |
| | 420320114009 | | | |

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| | | | | |
|---|---|---|---|---|
| 12 | | SANJAI .K | III | |
| 13 | 420320114010 | SURENDIRAN. S | III | |
| 14 | 420320114011 | UDHAYASURYA. S | III | |
| 15 | 420320114012 | VEERAPPAN .T | III | |
| 16 | 420320114301 | BALAJI .S | III | |
| 17 | 420320114302 | DHILIPRAJ. R | III | |
| 18 | 420320114303 | KAMALESHWARAN.K | III | |
| 19 | 420320114305 | PRASANNA. M | III | |
| 20 | 420320114701 | PRAVEEN KUMAR. P | III | |

**COURSE CO-ORDINATOR**

**HOD**

**PRINCIPAL**

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## DEPARTMENT OF MECHANICAL ENGINEERING
### VEHICLE DEVELOPMENT PROGRAMME

**ATTENDENCE SHEET:[III,IV]**

**DATE:13.08.2022 to 01.10.2022**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng | Eng |
| 1 | 420319114001 | ENIYAN. P | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| 2 | 420319114002 | MOHAN. D | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh |
| 3 | 420319114301 | RAJAN. R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R |
| 4 | 420319114302 | VINAYAGAMOORTHI .V | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay |
| 5 | 420319114501 | SRIDHAR .M | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 6 | 420320114001 | ABINASH. H | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| | 420320114002 | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | | ELANGO .S | | | | | | | | | | | | | | | |
| 8 | 420320114005 | NISHANTH. S | | | | | | | | | | | | | | | |
| 9 | 420320114006 | PHILOMIN DASS. G | | | | | | | | | | | | | | | |
| 10 | 420320114007 | RAJADURAI. K | | | | | | | | | | | | | | | |
| 11 | 420320114008 | ROHITH .A | | | | | | | | | | | | | | | |
| 12 | 420320114009 | SANJAI .K | | | | | | | | | | | | | | | |
| 13 | 420320114010 | SURENDIRAN. S | | | | | | | | | | | | | | | |
| 14 | 420320114011 | UDHAYASURYA. S | | | | | | | | | | | | | | | |
| 15 | 420320114012 | VEERAPPAN .T | | | | | | | | | | | | | | | |
| 16 | 420320114301 | BALAJI .S | | | | | | | | | | | | | | | |
| 17 | 420320114302 | DHILIPRAJ. R | | | | | | | | | | | | | | | |
| 18 | 420320114303 | KAMALESHWARAN.K | | | | | | | | | | | | | | | |
| 19 | 420320114305 | PRASANNA. M | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 420320114701 | PRAVEEN KUMAR. P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420319114001 | ENIYAN. P | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E | P.E |
| 2 | 420319114002 | MOHAN. D | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh | Moh |
| 3 | 420319114301 | RAJAN. R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R |
| 4 | 420319114302 | VINAYAGAMOORTHI .V | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay | Vinay |
| 5 | 420319114501 | SRIDHAR .M | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 6 | 420320114001 | ABINASH. H | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi | Abi |
| 7 | 420320114002 | ELANGO .S | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango | Elango |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 420320114005 | NISHANTH. S | | | | | | | | | | | | | | | |
| 9 | 420320114006 | PHILOMIN DASS. G | | | | | | | | | | | | | | | |
| 10 | 420320114007 | RAJADURAI. K | | | | | | | | | | | | | | | |
| 11 | 420320114008 | ROHITH .A | | | | | | | | | | | | | | | |
| 12 | 420320114009 | SANJAI .K | | | | | | | | | | | | | | | |
| 13 | 420320114010 | SURENDIRAN. S | | | | | | | | | | | | | | | |
| 14 | 420320114011 | UDHAYASURYA. S | | | | | | | | | | | | | | | |
| 15 | 420320114012 | VEERAPPAN .T | | | | | | | | | | | | | | | |
| 16 | 420320114301 | BALAJI .S | | | | | | | | | | | | | | | |
| 17 | 420320114302 | DHILIPRAJ. R | | | | | | | | | | | | | | | |
| 18 | 420320114303 | KAMALESHWARAN.K | | | | | | | | | | | | | | | |
| 19 | 420320114305 | PRASANNA. M | | | | | | | | | | | | | | | |
| | 420320114701 | | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | PRAVEEN KUMAR. P | | | | | | | | | | | | | | | | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

A.R.E.C. VPM.

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## DEPARTMENT OF MECHANICAL ENGINEERING

### VEHICLE DEVELOPMENT PROGRAMME

**STUDENT ASSESMENT MARK LIST:[III,IV]** **DATE:13.08.2022 to 01.10.2022**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420319114001 | ENIYAN. P | IV | 85 |
| 2 | 420319114002 | MOHAN. D | IV | 75 |
| 3 | 420319114301 | RAJAN. R | IV | 96 |
| 4 | 420319114302 | VINAYAGAMOORTHI .V | IV | 56 |
| 5 | 420319114501 | SRIDHAR .M | IV | 69 |
| 6 | 420320114001 | ABINASH. H | III | 65 |
| 7 | 420320114002 | ELANGO .S | III | 91 |
| 8 | 420320114005 | NISHANTH. S | III | 95 |
| 9 | 420320114006 | PHILOMIN DASS. G | III | 98 |
| 10 | 420320114007 | RAJADURAI. K | III | 65 |
| 11 | 420320114008 | ROHITH .A | III | 53 |

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| | | | | |
|---|---|---|---|---|
| 12 | 420320114009 | SANJAI .K | III | 97 |
| 13 | 420320114010 | SURENDIRAN. S | III | 95 |
| 14 | 420320114011 | UDHAYASURYA. S | III | 65 |
| 15 | 420320114012 | VEERAPPAN .T | III | 85 |
| 16 | 420320114301 | BALAJI .S | III | 91 |
| 17 | 420320114302 | DHILIPRAJ. R | III | 95 |
| 18 | 420320114303 | KAMALESHWARAN.K | III | 85 |
| 19 | 420320114305 | PRASANNA. M | III | 87 |
| 20 | 420320114701 | PRAVEEN KUMAR. P | III | 86 |

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DEPARTMENT OF MECHANICAL ENGINEERING

**VEHICLE DEVELOPMENT PROGRAMME**

**STUDENT ASSESMENT MARK LIST:[III,IV]** **DATE:13.08.2022 to 01.10.2022**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420319114001 | ENIYAN. P | IV | 55 |
| 2 | 420319114002 | MOHAN. D | IV | 75 |
| 3 | 420319114301 | RAJAN. R | IV | 69 |
| 4 | 420319114302 | VINAYAGAMOORTHI .V | IV | 95 |
| 5 | 420319114501 | SRIDHAR .M | IV | 78 |
| 6 | 420320114001 | ABINASH. H | III | 48 |
| 7 | 420320114002 | ELANGO .S | III | 73 |
| 8 | 420320114005 | NISHANTH. S | III | 92 |
| 9 | 420320114006 | PHILOMIN DASS. G | III | 82 |
| 10 | 420320114007 | RAJADURAI. K | III | 64 |
| 11 | 420320114008 | ROHITH .A | III | 84 |

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VILLUPURAM-605 601.

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| | | | | |
|---|---|---|---|---|
| 12 | 420320114009 | SANJAI .K | III | 38 |
| 13 | 420320114010 | SURENDIRAN. S | III | 43 |
| 14 | 420320114011 | UDHAYASURYA. S | III | 64 |
| 15 | 420320114012 | VEERAPPAN .T | III | 85 |
| 16 | 420320114301 | BALAJI .S | III | 91 |
| 17 | 420320114302 | DHILIPRAJ. R | III | 69 |
| 18 | 420320114303 | KAMALESHWARAN.K | III | 85 |
| 19 | 420320114305 | PRASANNA. M | III | 87 |
| 20 | 420320114701 | PRAVEEN KUMAR. P | III | 86 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | MECH |
| **Type of Event:** | value added course |
| **Event Title:** | Vehicle development programme. |
| **Date & Time:** | **13.08.2022 to 1.10.2022** & (5 PM TO 6PM) |
| **Venue :** | AREC |
| **Organizer:** | AREC–MECH |
| **Coordinator:** | Mr.R.Manivannan |
| **Resource person** | Mr.s.Ramamoorthy |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | The Simulation and analysis using vehicle development course conducted on **08.2022 to 1.10.2022** Total duration of vehicle development course was 30 hours. Total 20 Students have attended the course.<br>• This course elucidates concepts related to vehicle development.The students will get hands- on experience in working with simulation of vehicle development.<br>• Resource person **Mr.S.RAMAMOORTHY** HOD/Mech has cover the value added course on vehicle development programme. They demonstrated each and every concept and also covered.<br>• Students really enjoyed the session and learnt a lot.Now **20** students will be able to apply the concept in advanced application. |

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**This is to certify that Mr./Ms .....P.PRAVEEN KUMAR.....has participated in the 30 days Value added course on "Vehicle Development programme" organized by the Department of MECH, A R Engineering college , held on 13.8.2022 TO 1.10.2022**

HOD

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
## PERMISSION LETTER

Date:3.08.2022

**FROM**

The Hod
Department of electrical and electronics engineering
AR Engineering college
Kappiyampuliyur

**TO**

The principal
AR Engineering college
Kappiyampuliyur

**SUB** : Seeking permission to conduct Value add on course.

**Respected Sir**,

We are planning to conduct Value added course on"PCBDESIGN" **13.08.2022 to 1.10.2022** we request you to grant permission for the same.

**Name of the Course** : PCB-DESIGN

**Course Co-ordinator:** Mr.A.CHANDRASEKARAN
Assistant professor/Department of EEE
AR Engineering College
Kappiyampuliyur

Thanking you

Your's sincerely

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
## CIRCULAR

Date :04.08.2022

It is informed that Department of Electrical and Electronics Engineering has planned to organize a Value Added Course on **"PCB DESIGN"** in our college premises to enhance the practical knowledge of the students. Hence Students of the department are cordially invited.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on PCB design |
| Course code | VACEEE102 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | **13.08.2022 to 1.10.2022** |
| Timing | 5 pm-6 pm |
| Course Co-Ordinator | Mr.A.CHANDRASEKARAN |
| Resource person | Mr.S.UDHAYA KUMAR |
| Certificate | Yes |

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## A.R ENGINEERING COLLEGE

"Value added course on PCB Design"

**Department of EEE**

**13.08.2022 to 1.10.2022**

Time:5 pm-6 pm

**Co-coordinator:**

Mr.A.CHANDRASEKARAN

**Resource Person:**

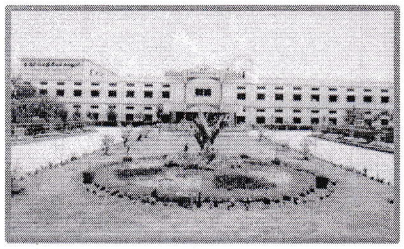
Mr.S.UDHAYA KUMAR
HOD/Department of EEE

**Organized by**

DEPARTMENT OF EEE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



### ELIGIBILITY&REGISTRATION:

**No registration fee.**There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program .

### Resource Person

Mr.S.UDHAYA KUMAR
HOD/Department of EEE
AREC
Kappiyampuliyur

### Organizing co-ordinator:

Mr.A.CHANDRASEKARAN
Assistant proffesor
Department of EEE
AREC
Kappiyampuliyur.

**A.R ENGINEERING COLLEGE**

"Value added course on PCB Design"

**13.08.2022 to 1.10.2022**

Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:

Date :

Place :

Participants need to register through A.R provide link on mentioned below :

Registration link :
https://arec.vacpcb.vac/signup

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
## VALUE ADDED COURSE ON PCB DESIGN

DATE: **13.08.2022 to 1.10.2022** TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction To Pcb Design | **13.08.2022 , 16.08.2022 , 17.08.2022 , 18.08.2022 , 20.08.2022 , 22.08.2022 , 23.08.2022 , 24.08.2022 , 25.08.2022 , 26.08.2022** | **10hrs** |
| 2 | Basis Circuits and Design and Circuit generations | | |
| 3 | Introduction to PCB and Development of PCB | | |
| 4 | Lay out Design | | |
| 5 | Layout Planning | | |
| 6 | Taking Copies And Making Pcb Film And Check The Track With Circuits and makeCorrection | | |
| 7 | Product planning, development of product brief. Concept generation, creativity and innovation | | |
| 8 | Introduction to PCB and Development of PCB and Latest PCB design methods. | | |
| 9 | Tracking copies and Making Pcb Film and Check the track with Circuits and make correction Pcb manual Design- Introduction to Manual Design. | | |
| 10 | Material Requirements, practically, making drill and place components and cheak with circuits. | **29.08.2022 , 30.08.2022 , 01.09.2022 , 02.09.2022 , 03.09.2022** | **5hrs** |
| 11 | Pcb Industrial And Commercial Applications | | |
| 12 | Requirements for Pcb design and design Tools (Pcb)Kicad or Orcad Software | | |
| 13 | Type of Boards for design and circuit analysis and Pcb Tracking | | |
| 14 | Printed circuit Board Design: Study of Packages of Electronic Components . | | |
| 15 | Various types of Printed Circuit Boards-Single Sided Boards, Double Sided Plated through Hole Boards, multilayer Boards. | | |
| 16 | Printed Circuit Board Design Methods : Rules for single and Double Sided Board. | **05.09.2022 , 15.09.2022 , 16.09.2022 , 17.09.2022 , 19.09.2022** | **5hrs** |
| 17 | Schematic diagram Entry in PCB Design tool/S/W. Layout Design , Routing methods .Guideline for Artwork Generation. | | |
| 18 | Generation of various Manufacturing Documents Output | | |

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| | | | |
|---|---|---|---|
| | file generation.<br>Component Library management in PCB Design tool. | | |
| 19 | Study of- Thermal Analysis | **20.09.2022 , 21.09.2022 , 22.09.2022 , 23.09.2022 , 24.09.2022** | **5hrs** |
| 20 | Thermal Analysis | | |
| 21 | Signal Integrity | | |
| 22 | Rule for Design for manufacturing . | | |
| 23 | Rules for Design for assembly | | |
| 24 | PCB Manufacturing Techniques: | | |
| 25 | Film Master generation methods : | **26.09.2022 , 28.09.2022 , 29.09.2022 , 30.09.2022,1.10.2022** | **5hrs** |
| 26 | Study of photographic Film, Exposing and Developing Process. | | |
| 27 | Study of various material used in Manufacturing of | | |
| 28 | Printed Circuit Boards and properties of material. | | |
| 29 | Cleaning Method of base materials before pattern transfer-Manual and Mechanical Cleaning Methods. | | |
| | | **TOTAL** | **30hrs** |

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**VALUE ADDED COURSE ON PCB-DESIGN**

**STUDENTS NAME LIST:[IV,III,II,I]** **DATE:13.08.2022 to 01.10.2022**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420319105301 | BALAKRISHNAN .V | IV | V. Balakrishnan |
| 2 | 420319105302 | KRISHNARAJ. R | IV | R. Krishnaraj |
| 3 | 420319105303 | LASARVIJAY. B | IV | Lasar |
| 4 | 420320105003 | KARTHIGA. R | III | R. Karthiga |
| 5 | 420320105006 | SRIDEVI. S | III | S. Sridevi |
| 6 | 420320105008 | SUGANTHI. P | III | Sug P |
| 7 | 420320105302 | ARIRAJ. H | III | H. Ariraj |
| 8 | 420320105303 | ARULJOTHI .A | III | A. Aruljothi |
| 9 | 420320105306 | DHILIPKUMAR. S | III | S. Dhilipkumar |
| 10 | 420320105307 | DINESH. G | III | DINESH. G. |
| 11 | 420320105308 | GANAPATHY. I | III | I. Ganapathy |
| 12 | 420320105310 | NANDHAKUMAR. N | III | N. Nandhakumar |
| 13 | 420320105311 | PATCHAIAPPAN. M | III | Patchaiappan M. |
| 14 | 420320105312 | SOWNDARRAJ. D | III | D. Sowndharaj |

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| | | | | |
|---|---|---|---|---|
| 15 | 420321105001 | BHARATHI. S | II | |
| 16 | 420321105003 | JAYAVEL .S | II | |
| 17 | 420321105004 | KALAI STALIN MARAN M | II | |
| 18 | 420321105008 | MOHAMED IMTHIYAS .E | II | |
| 19 | 420321105009 | NITHISHKUMAR.V | II | |
| 20 | 420321105010 | RAGUL. R | II | |
| 21 | 420321105011 | SABARI .S | II | |
| 22 | 420321105012 | SURIYA. M | II | |
| 23 | 420321105013 | VASANTHARAJ .R | II | |
| 24 | 420321105014 | VISHNU PRIYA. B | II | |
| 25 | 420322105001 | DURAIGURU. R | I | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
## VALUE ADDED COURSE ON PCB-DESIGN

**DATE:13.08.2022 to 01.10.2022**

**ATTENDENCE SHEET:[IV,III,II,I]**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420319105301 | BALAKRISHNAN .V | | | | | | | | | | | | | | | |
| 2 | 420319105302 | KRISHNARAJ. R | | | | | | | | | | | | | | | |
| 3 | 420319105303 | LASARVIJAY. B | | | | | | | | | | | | | | | |
| 4 | 420320105003 | KARTHIGA. R | | | | | | | | | | | | | | | |
| 5 | 420320105006 | SRIDEVI. S | | | | | | | | | | | | | | | |
| 6 | 420320105008 | SUGANTHI. P | | | | | | | | | | | | | | | |
| 7 | 420320105302 | ARIRAJ. H | | | | | | | | | | | | | | | |
| 8 | 420320105303 | ARULJOTHI .A | | | | | | | | | | | | | | | |
| 9 | 420320105306 | DHILIPKUMAR. S | | | | | | | | | | | | | | | |
| 10 | 420320105307 | DINESH. G | | | | | | | | | | | | | | | |
| 11 | 420320105308 | GANAPATHY. I | | | | | | | | | | | | | | | |

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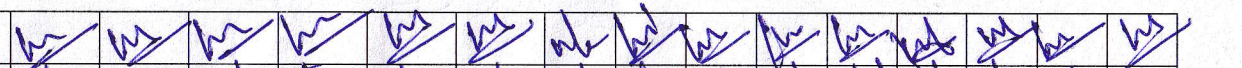
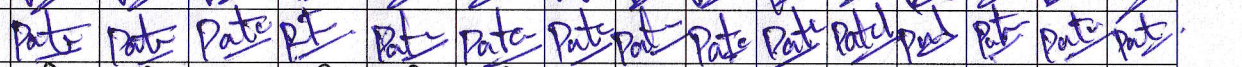
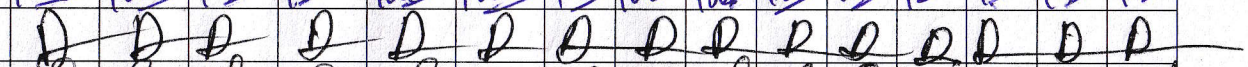
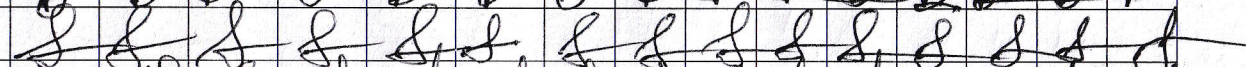
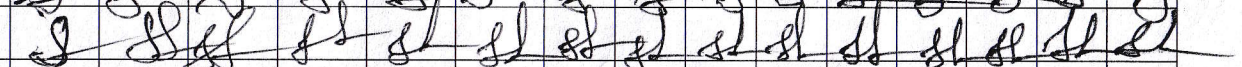
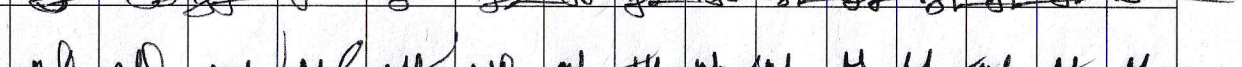
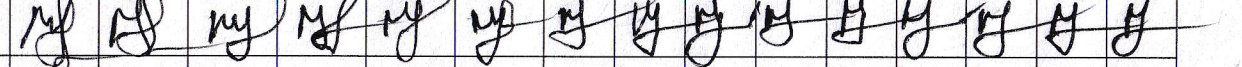
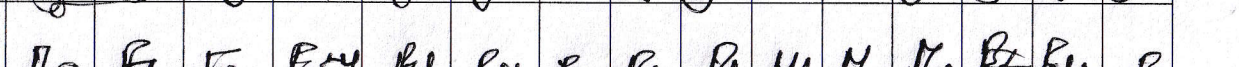
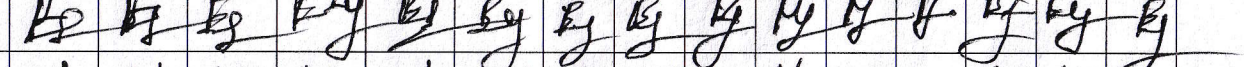
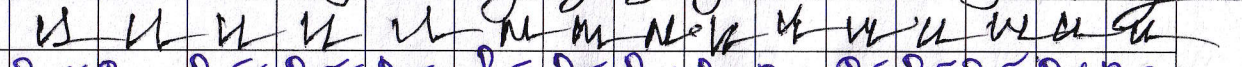
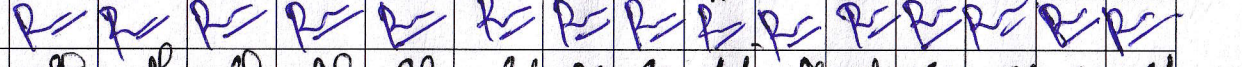
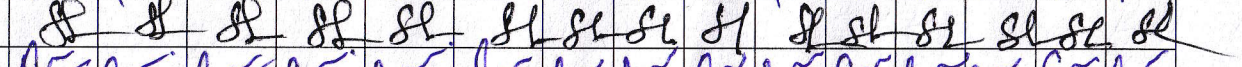
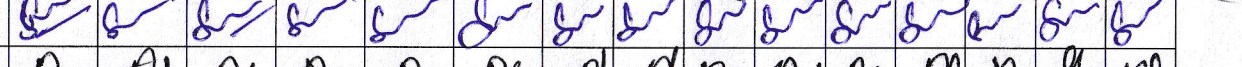
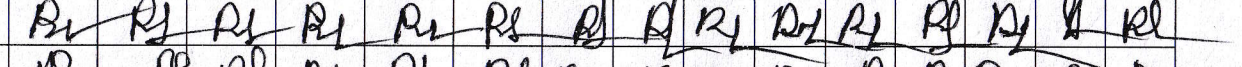
| | | | |
|---|---|---|---|
| 12 | 420320105310 | NANDHAKUMAR. N |  |
| 13 | 420320105311 | PATCHAIAPPAN. M |  |
| 14 | 420320105312 | SOWNDARRAJ. D |  |
| 15 | 420321105001 | BHARATHI. S |  |
| 16 | 420321105003 | JAYAVEL .S |  |
| 17 | 420321105004 | KALAI STALIN MARAN M |  |
| 18 | 420321105008 | MOHAMED IMTHIYAS .E |  |
| 19 | 420321105009 | NITHISHKUMAR.V |  |
| 20 | 420321105010 | RAGUL. R |  |
| 21 | 420321105011 | SABARI .S |  |
| 22 | 420321105012 | SURIYA. M |  |
| 23 | 420321105013 | VASANTHARAJ .R |  |
| 24 | 420321105014 | VISHNU PRIYA. B |  |
| 25 | 420322105001 | DURAIGURU. R |  |

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Vadakuchipalayam, Kappiyampuliyur
Villupuram-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)

Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420319105301 | BALAKRISHNAN .V | | | | | | | | | | | | | | | |
| 2 | 420319105302 | KRISHNARAJ. R | | | | | | | | | | | | | | | |
| 3 | 420319105303 | LASARVIJAY. B | | | | | | | | | | | | | | | |
| 4 | 420320105003 | KARTHIGA. R | | | | | | | | | | | | | | | |
| 5 | 420320105006 | SRIDEVI. S | | | | | | | | | | | | | | | |
| 6 | 420320105008 | SUGANTHI. P | | | | | | | | | | | | | | | |
| 7 | 420320105302 | ARIRAJ. H | | | | | | | | | | | | | | | |
| 8 | 420320105303 | ARULJOTHI .A | | | | | | | | | | | | | | | |
| 9 | 420320105306 | DHILIPKUMAR. S | | | | | | | | | | | | | | | |
| 10 | 420320105307 | DINESH. G | | | | | | | | | | | | | | | |
| 11 | 420320105308 | GANAPATHY. I | | | | | | | | | | | | | | | |
| 12 | 420320105310 | NANDHAKUMAR. N | | | | | | | | | | | | | | | |
| 13 | 420320105311 | PATCHAIAPPAN. M | | | | | | | | | | | | | | | |
| 14 | 420320105312 | SOWNDARRAJ. D | | | | | | | | | | | | | | | |

A.R.E.C.

Dr. R.PANNEERDHASS M.E.,Ph.D.
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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 420321105001 | BHARATHI. S | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL |
| 16 | 420321105003 | JAYAVEL .S | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL |
| 17 | 420321105004 | KALAI STALIN MARAN M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| 18 | 420321105008 | MOHAMED IMTHIYAS .E | EG | EG | EG | EG | EG | EG | EG | EG | EG | EG | EG | EG | EG | EG | EG |
| 19 | 420321105009 | NITHISHKUMAR.V | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U |
| 20 | 420321105010 | RAGUL. R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R |
| 21 | 420321105011 | SABARI .S | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL | SL |
| 22 | 420321105012 | SURIYA. M | R | R | S | S | S | R | S | S | S | S | S | S | S | S | S |
| 23 | 420321105013 | VASANTHARAJ .R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R |
| 24 | 420321105014 | VISHNU PRIYA. B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| 25 | 420322105001 | DURAIGURU. R | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |

COURSE CO-ORDINATOR

A.R.E.C. ★ VPM. ★

HOD

PRINCIPAL

Dr. R. [illegible]ERDHASS M.E.,Ph.D.,
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Villupuram-605 601.

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## VALUE ADDED COURSE ON PCB-DESIGN

**STUDENTS ASSESMENT MARK LIST:[IV,III,II,I]** **DATE: 13.08.2022 to 01.10.2022**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420319105301 | BALAKRISHNAN .V | IV | 65 |
| 2 | 420319105302 | KRISHNARAJ. R | IV | 87 |
| 3 | 420319105303 | LASARVIJAY. B | IV | 81 |
| 4 | 420320105003 | KARTHIGA. R | III | 88 |
| 5 | 420320105006 | SRIDEVI. S | III | 95 |
| 6 | 420320105008 | SUGANTHI. P | III | 91 |
| 7 | 420320105302 | ARIRAJ. H | III | 94 |
| 8 | 420320105303 | ARULJOTHI .A | III | 65 |
| 9 | 420320105306 | DHILIPKUMAR. S | III | 95 |
| 10 | 420320105307 | DINESH. G | III | 85 |
| 11 | 420320105308 | GANAPATHY. I | III | 67 |
| 12 | 420320105310 | NANDHAKUMAR. N | III | 81 |
| 13 | 420320105311 | PATCHAIAPPAN. M | III | 84 |
| 14 | 420320105312 | SOWNDARRAJ. D | III | 95 |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | | |
|---|---|---|---|---|
| 15 | 420321105001 | BHARATHI. S | II | 85 |
| 16 | 420321105003 | JAYAVEL .S | II | 97 |
| 17 | 420321105004 | KALAI STALIN MARAN M | II | 91 |
| 18 | 420321105008 | MOHAMED IMTHIYAS .E | II | 56 |
| 19 | 420321105009 | NITHISHKUMAR.V | II | 60 |
| 20 | 420321105010 | RAGUL. R | II | 90 |
| 21 | 420321105011 | SABARI .S | II | 70 |
| 22 | 420321105012 | SURIYA. M | II | 80 |
| 23 | 420321105013 | VASANTHARAJ .R | II | 59 |
| 24 | 420321105014 | VISHNU PRIYA. B | II | 60 |
| 25 | 420322105001 | DURAIGURU. R | I | 80 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | MECH |
| **Type of Event:** | value added course |
| **Event Title:** | PCB Design |
| **Date & Time:** | **13.08.2022 to 1.10.2022** & (5 pm -6 pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–MECH |
| **Coordinator:** | Mr.A.CHANDRASEKARAN |
| **Resource person** | Mr.S.UDHAYA KUMAR |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • PCB Design course conducted from **13.08.2022 to 1.10.2022** . Total duration of the course was 30 Hrs.Total 25 students have attended the course following was the objective of the course to understand the Concepts.<br>• The Resource Person Mr.S.UDHAYA KUMAR HOD/Department of EEE have covered the topic completely.Students really enjoyed the session and learnt a lot.<br>• Now students will be able to apply the concepts in advanced applications. |

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**This is to certify that Mr./Ms .....V.BALAKRISHNAN.....has participated in the 30 days Certificate program on "PCB DESIGN" organized by the Department of EEE, A R Engineering college , held on 13.8.2022 TO 1.10.2022**

HOD

PRINCIPAL

# A. R. ENGINEERING COLLEGE

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## DEPARTMENT OF SCIENCE AND HUMANITIES
## PERMISSION LETTER

**Date:04.08.2022**

**From**

The Hod

Department of science and humanities

AR Engineering college

Kappiyampuliyur

**TO**

The principal

AR Engineering college
Kappiyampuliyur

**SUB** : Seeking permission to conduct value added course.

**Respected Sir,**

We are planning to conduct value added course **"Certificate course on python"on 13.08.2022 to 1.10.2022**.we request you to grant permission for the same.

**Name of the Course** : Certificate course on python

**Course Co-ordinator** : DR.V.GIRIJA
Assistant professor/Department of H&S
AR Engineering College
Kappiyampuliyur.

Thanking you

Your's sincerely

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF SCIENCE AND HUMANITIES
## CIRCULAR

Date:06.08.2022

The Department of Science and Humanities has planned to conduct a value added course on **"Certificate course on python"**for first years ECE,EEE,CSE,CIVIL,MECH, I & II Year students from **13.08.2022 to 01.10.2022**

**COURSE DETAILS:**

| | |
|---|---|
| **Course title** | Certificate course on python |
| Course code | 104 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | **13.08.2022 to 1.10.2022** |
| Timing | 5pm to 6pm |
| Course Co-Ordinator | DR.V.Girija |
| Resource person | MR.Sathiyaraj |
| Certificate | Yes |

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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CERTIFICATE COURSE ON PYTHON

DATE:13.08.2022 to 03.10.2022

TOTAL Hours: 31

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction | 13.08.2022,16.08.2022, 17.08.2022,18.08.2022, 20.08.2022,22.08.2022, 23.08.2022,24.08.2022, 25.08.2022,26.08.2022 | 7hrs |
| 2 | Basic of Pythonspyder (tool) | | |
| 3 | Sequence data types and associated operations | | |
| 4 | Pandasdata frame and data frame related operations on Toyota Corolla data set | | |
| 5 | What can Python do? ,Python Instal | | |
| 6 | Why Python? | | |
| 7 | Python Syntax contrasted(compared) with other programming dialects or languages. | | |
| 8 | The print statement | 29.08.2022 , 30.08.2022 , 01.09.2022 , 02.09.2022 , 03.09.2022 | 6hrs |
| 9 | Comments | | |
| 10 | Python Data Structures & Data Types | | |
| 11 | String Operations in Python | | |
| 12 | Simple Input & Output | | |
| 13 | Simple Output Formatting, Operators in python | | |
| 14 | Indentation | 05.09.2022 , 15.09.2022 , 16.09.2022 , 17.09.2022 , 19.09.2022 | 6hrs |
| 15 | The If statement and its' related statement(assertion) | | |
| 16 | An example with if and it's related statement(explanation) | | |
| 17 | The while loop | | |
| 18 | The for loop | | |
| 19 | The range statement | | |
| 20 | Break & Continue | 20.09.2022 , 21.09.2022 , 22.09.2022 , 23.09.2022 , 24.09.2022 | 6hrs |
| 21 | Assert | | |
| 22 | Examples for looping | | |
| 23 | Create your own functions | | |
| 24 | Functions Parameters | | |
| 25 | Variable Arguments | | |
| 26 | Scope of a Function | 26.09.2022 , 28.09.2022 , 29.09.2022 ,30.09.2022, 01.10.2022 ,03.10.2022 | 6hrs |
| 27 | Function Documentations | | |
| 28 | Lambda Functions & map | | |
| 29 | File handling Modes | | |
| 30 | Exception handling with try | | |
| 31 | handling Multiple Exception,Errors | | |
| | | TOTAL HRS | 31 hrs |

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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CERTIFICATE COURSE ON PYTHON

**STUDENT NAME LIST :[I,II,III,IV-YEAR]** **DATE:13.08.2022 to 03.10.2022**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420319104001 | CHANDRU.M | IV | M. Chandru |
| 2 | 420319104002 | GOPINATH.K | IV | Gop |
| 3 | 420319104003 | REVATHY.E | IV | Revathy |
| 4 | 420319104701 | IYYAPAN.B | IV | Iyappan |
| 5 | 420320104001 | ANITHA. T | III | Anitha. T. |
| 6 | 420320104003 | BHUVANESHWARI .A | III | Bhuvan |
| 7 | 420320104005 | DESIYA. E | III | Desiya |
| 8 | 420320104006 | DEVI. R | III | DEVI. R. |
| 9 | 420320104007 | JANANI. R | III | Janani |
| 10 | 420320104010 | MAYILI. A | III | Mayili |
| 11 | 420320104011 | NARMADHA. S | III | Nar |
| 12 | 420320104012 | NAVEEN. R | III | Naveen. |
| 13 | 420320104013 | PRAKASH. M | III | Prakash |

A.R.E.C. VPM

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| | | | | |
|---|---|---|---|---|
| 14 | 420320104015 | SONIYA. D | III | Soniya |
| 15 | 420320104016 | STEEPHEN JERO. P | III | Steephen |
| 16 | 420320104017 | SUGUMAR .S | III | Sugu |
| 17 | 420320104018 | SURENDAR. G | III | Syed |
| 18 | 420320104304 | SYED NAMEER. N | III | Venkate |
| 19 | 420320104303 | VENKATESH. T | III | Akash |
| 20 | 420321104004 | AKASH .M | II | Dhivagar |
| 21 | 420321104007 | DIVAGAR .G | II | Jagadeeshwaran |
| 22 | 420321104010 | JAGADEESHWARAN.T | II | Kanim |
| 23 | 420321104011 | KANIMOZHI.S | II | Kavipriya |
| 24 | 420321104012 | KAVIPRIYA.S | II | Madhan |
| 25 | 420321104014 | MADHAN M | II | Mageshwary |
| 26 | 420321104016 | MAGESHWARY.M | II | Mohana |
| 27 | 420321104018 | MOHANA PRIYA.A | II | Nithiyanandan |
| 28 | 420321104019 | NITHIYANANDAN. O | II | Ramana |
| 29 | 420321104021 | RAMANA.N | II | Revathi |
| 30 | 420321104022 | REVATHI.S | II | Sangeetha |
| 31 | 420321104023 | SANGEETHA .B | II | Surya |
| 32 | 420321104026 | SURYA.A | II | Surya.A |
| 33 | 420321104027 | VIJAY CHANDRAN.M | II | Vijay |

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| | | | | |
|---|---|---|---|---|
| 34 | 420321104028 | VISHWHA.R | II | |
| 35 | 420321104029 | YUVARAJ.S | II | |
| 36 | 420321104301 | GUNAL. S | II | |
| 37 | 420321104302 | THAMIZHSELVAN. M | II | |
| 38 | 420321104304 | VISWESH. M | II | |
| 39 | 420322104001 | ABIRAMI. V | I | |
| 40 | 420322104003 | DEEPIGA. M | I | |
| 41 | 420322104004 | DHINESH. K | I | |
| 42 | 420322104005 | DILLIKUMAR. R | I | |
| 43 | 420322104006 | DILLIKUMARAN. B | I | |
| 44 | 420322104007 | ELAKKIYA .K | I | |
| 45 | 420322104008 | GAJA PRIYA. R | I | |
| 46 | 420322104009 | GOKUL. D | I | |
| 47 | 420322104010 | HARISH .U | I | |
| 48 | 420322104011 | IYYAPPAN .V | I | |
| 49 | 420322104012 | JAYAMUGILAN. M | I | |
| 50 | 420322104014 | KALAIYARASI. R | I | |
| 51 | 420322104015 | MADHUMITHA. P | I | |
| 52 | 420322104016 | MAHA DEVAN .D | I | |
| 53 | 420322104017 | MOHANRAJ .P | I | |

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| | | | | |
|---|---|---|---|---|
| 54 | 420322104018 | NITHIKA .S | I | |
| 55 | 420322104019 | PRITHISHA. T | I | |
| 56 | 420322104020 | PRIYADHARSHINI. S | I | |
| 57 | 420322104021 | PURUSHOTHAMAN M | I | |
| 58 | 420322104022 | RAMESH KUMAR. R | I | |
| 59 | 420322104023 | SATHISH. E | I | |
| 60 | 420322104024 | SIVANESHWAR. E | I | |
| 61 | 420322104025 | SUNDAR. S | I | |
| 62 | 420322104027 | VAITHEESWARI .V | I | |
| 63 | 420322104028 | VENKATARAMANA. T | I | |
| 64 | 420322104029 | VIGNESH .I | I | |

**COURSE CO-ORDINATOR**

A.R.E.C. VPM.

**HOD**

**PRINCIPAL**

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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CERTIFICATE COURSE ON PYTHON

**ATTENDENCE SHEET:[I,II,III,IV-YEAR]** **DATE:13.08.2022 to 03.10.2022**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420319104001 | CHANDRU.M | | | | | | | | | | | | | | | |
| 2 | 420319104002 | GOPINATH.K | | | | | | | | | | | | | | | |
| 3 | 420319104003 | REVATHY.E | | | | | | | | | | | | | | | |
| 4 | 420319104701 | IYYAPAN.B | | | | | | | | | | | | | | | |
| 5 | 420320104001 | ANITHA. T | | | | | | | | | | | | | | | |
| 6 | 420320104003 | BHUVANESHWARI .A | | | | | | | | | | | | | | | |
| 7 | 420320104005 | DESIYA. E | | | | | | | | | | | | | | | |
| 8 | 420320104006 | DEVI. R | | | | | | | | | | | | | | | |
| 9 | 420320104007 | JANANI. R | | | | | | | | | | | | | | | |

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| | | |
|---|---|---|
| 10 | 420320104010 | MAYILI. A |
| 11 | 420320104011 | NARMADHA. S |
| 12 | 420320104012 | NAVEEN. R |
| 13 | 420320104013 | PRAKASH. M |
| 14 | 420320104015 | SONIYA. D |
| 15 | 420320104016 | STEEPHEN JERO. P |
| 16 | 420320104017 | SUGUMAR .S |
| 17 | 420320104018 | SURENDAR. G |
| 18 | 420320104304 | SYED NAMEER. N |
| 19 | 420320104303 | VENKATESH. T |
| 20 | 420321104004 | AKASH .M |
| 21 | 420321104007 | DIVAGAR .G |
| 22 | 420321104010 | JAGADEESHWARAN.T |
| 23 | 420321104011 | KANIMOZHI.S |
| 24 | 420321104012 | KAVIPRIYA.S |
| 25 | 420321104014 | MADHAN M |
| 26 | 420321104016 | MAGESHWARY.M |
| 27 | 420321104018 | MOHANA PRIYA.A |
| 28 | 420321104019 | NITHIYANANDAN. O |
| 29 | 420321104021 | RAMANA.N |

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| | | |
|---|---|---|
| 30 | 420321104022 | REVATHI.S |
| 31 | 420321104023 | SANGEETHA .B |
| 32 | 420321104026 | SURYA.A |
| 33 | 420321104027 | VIJAY CHANDRAN.M |
| 34 | 420321104028 | VISHWHA.R |
| 35 | 420321104029 | YUVARAJ.S |
| 36 | 420321104301 | GUNAL. S |
| 37 | 420321104302 | THAMIZHSELVAN. M |
| 38 | 420321104304 | VISWESH. M |
| 39 | 420322104001 | ABIRAMI. V |
| 40 | 420322104003 | DEEPIGA. M |
| 41 | 420322104004 | DHINESH. K |
| 42 | 420322104005 | DILLIKUMAR. R |
| 43 | 420322104006 | DILLIKUMARAN. B |
| 44 | 420322104007 | ELAKKIYA .K |
| 45 | 420322104008 | GAJA PRIYA. R |
| 46 | 420322104009 | GOKUL. D |
| 47 | 420322104010 | HARISH .U |
| 48 | 420322104011 | IYYAPPAN .V |
| 49 | 420322104012 | JAYAMUGILAN. M |

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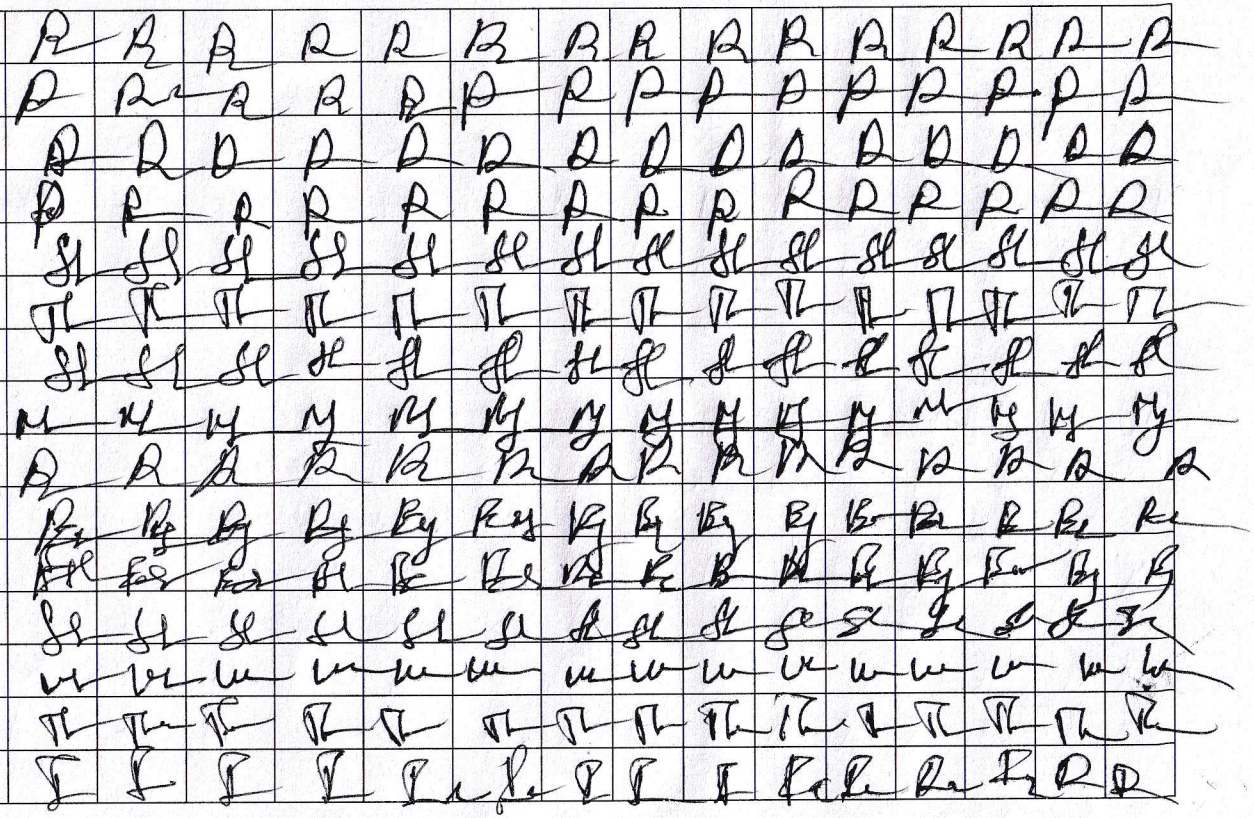
| | | | |
|---|---|---|---|
| 50 | 420322104014 | KALAIYARASI. R |  |
| 51 | 420322104015 | MADHUMITHA. P | |
| 52 | 420322104016 | MAHA DEVAN .D | |
| 53 | 420322104017 | MOHANRAJ .P | |
| 54 | 420322104018 | NITHIKA .S | |
| 55 | 420322104019 | PRITHISHA. T | |
| 56 | 420322104020 | PRIYADHARSHINI. S | |
| 57 | 420322104021 | PURUSHOTHAMAN M | |
| 58 | 420322104022 | RAMESH KUMAR. R | |
| 59 | 420322104023 | SATHISH. E | |
| 60 | 420322104024 | SIVANESHWAR. E | |
| 61 | 420322104025 | SUNDAR. S | |
| 62 | 420322104027 | VAITHEESWARI .V | |
| 63 | 420322104028 | VENKATARAMANA. T | |
| 64 | 420322104029 | VIGNESH .I | |

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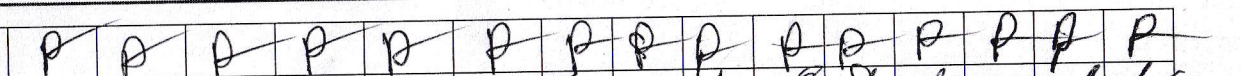
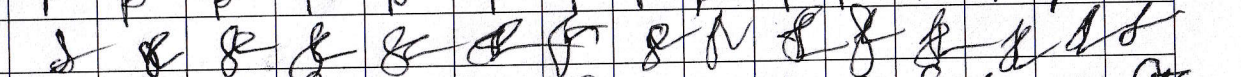
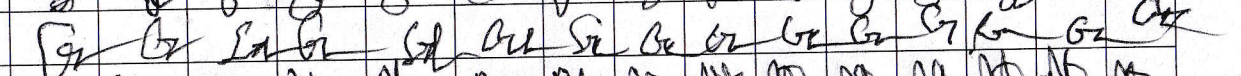
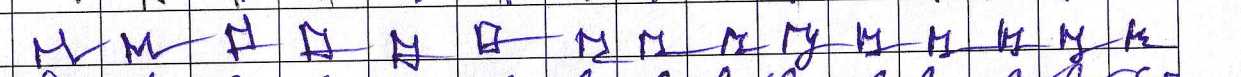
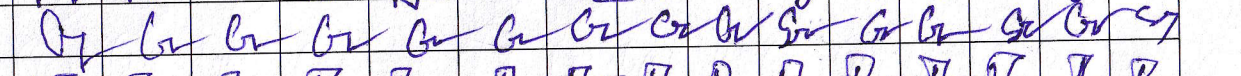
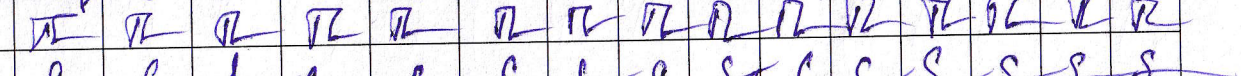
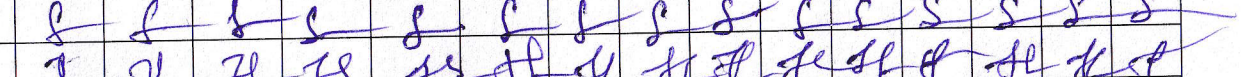
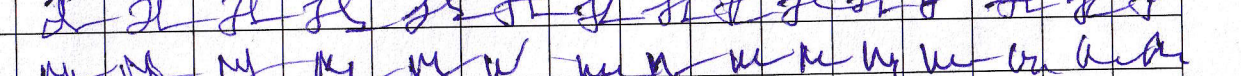
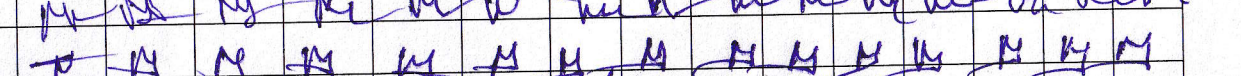
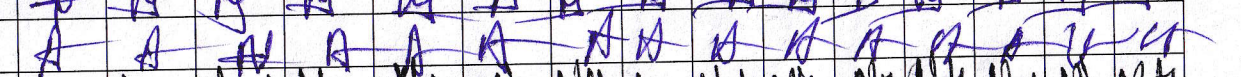
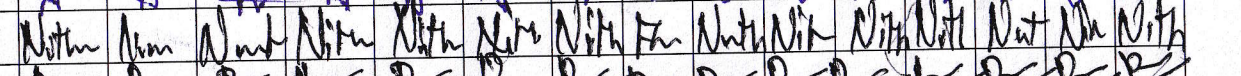
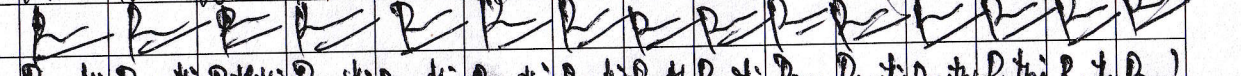
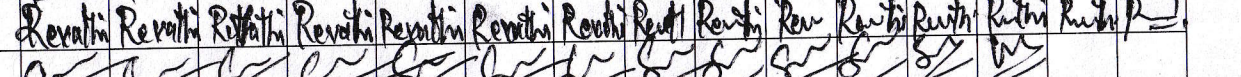
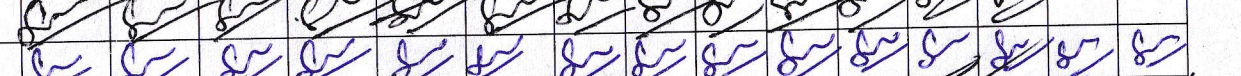
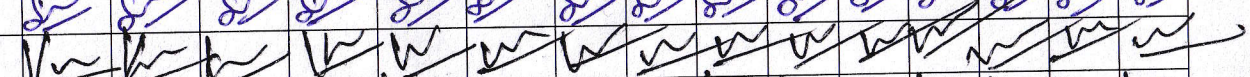
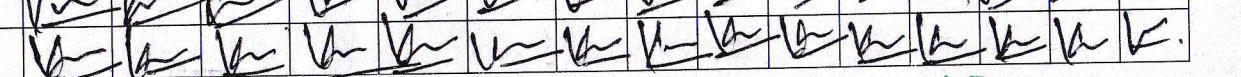
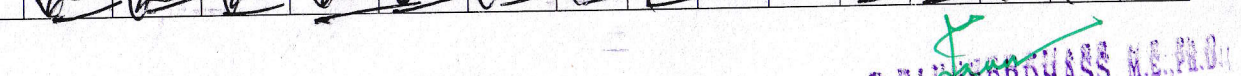
| | | | |
|---|---|---|---|
| 15 | 420320104016 | STEEPHEN JERO. P |  |
| 16 | 420320104017 | SUGUMAR .S |  |
| 17 | 420320104018 | SURENDAR. G |  |
| 18 | 420320104304 | SYED NAMEER. N |  |
| 19 | 420320104303 | VENKATESH. T |  |
| 20 | 420321104004 | AKASH .M |  |
| 21 | 420321104007 | DIVAGAR .G |  |
| 22 | 420321104010 | JAGADEESHWARAN.T |  |
| 23 | 420321104011 | KANIMOZHI.S |  |
| 24 | 420321104012 | KAVIPRIYA.S |  |
| 25 | 420321104014 | MADHAN M |  |
| 26 | 420321104016 | MAGESHWARY.M |  |
| 27 | 420321104018 | MOHANA PRIYA.A |  |
| 28 | 420321104019 | NITHIYANANDAN. O |  |
| 29 | 420321104021 | RAMANA.N |  |
| 30 | 420321104022 | REVATHI.S |  |
| 31 | 420321104023 | SANGEETHA .B |  |
| 32 | 420321104026 | SURYA.A |  |
| 33 | 420321104027 | VIJAY CHANDRAN.M |  |
| 34 | 420321104028 | VISHWHA.R |  |

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| | | | |
|---|---|---|---|
| 55 | 420322104019 | PRITHISHA. T | |
| 56 | 420322104020 | PRIYADHARSHINI. S | |
| 57 | 420322104021 | PURUSHOTHAMAN M | |
| 58 | 420322104022 | RAMESH KUMAR. R | |
| 59 | 420322104023 | SATHISH. E | |
| 60 | 420322104024 | SIVANESHWAR. E | |
| 61 | 420322104025 | SUNDAR. S | |
| 62 | 420322104027 | VAITHEESWARI .V | |
| 63 | 420322104028 | VENKATARAMANA. T | |
| 64 | 420322104029 | VIGNESH .I | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

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## DEPARTMENT OF SCIENCE AND HUMANITIES CERTIFICATE COURSE ON PYTHON

**STUDENT ASSESMENT MARK LIST :[I,II,III,IV-YEAR]** **DATE: 28.01.2023 To 04.03.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420319104001 | CHANDRU.M | IV | A+ |
| 2 | 420319104002 | GOPINATH.K | IV | B+ |
| 3 | 420319104003 | REVATHY.E | IV | O |
| 4 | 420319104701 | IYYAPAN.B | IV | O |
| 5 | 420320104001 | ANITHA. T | III | O |
| 6 | 420320104003 | BHUVANESHWARI .A | III | B+ |
| 7 | 420320104005 | DESIYA. E | III | O |
| 8 | 420320104006 | DEVI. R | III | O |
| 9 | 420320104007 | JANANI. R | III | A+ |
| 10 | 420320104010 | MAYILI. A | III | B+ |
| 11 | 420320104011 | NARMADHA. S | III | O |
| 12 | 420320104012 | NAVEEN. R | III | A+ |
| 13 | 420320104013 | PRAKASH. M | III | B+ |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | | |
|---|---|---|---|---|
| 14 | 420320104015 | SONIYA. D | III | A+ |
| 15 | 420320104016 | STEEPHEN JERO. P | III | B |
| 16 | 420320104017 | SUGUMAR .S | III | A+ |
| 17 | 420320104018 | SURENDAR. G | III | A+ |
| 18 | 420320104304 | SYED NAMEER. N | III | O |
| 19 | 420320104303 | VENKATESH. T | III | A |
| 20 | 420321104004 | AKASH .M | II | B |
| 21 | 420321104007 | DIVAGAR .G | II | A+ |
| 22 | 420321104010 | JAGADEESHWARAN.T | II | B |
| 23 | 420321104011 | KANIMOZHI.S | II | O |
| 24 | 420321104012 | KAVIPRIYA.S | II | A+ |
| 25 | 420321104014 | MADHAN M | II | B |
| 26 | 420321104016 | MAGESHWARY.M | II | B+ |
| 27 | 420321104018 | MOHANA PRIYA.A | II | B |
| 28 | 420321104019 | NITHIYANANDAN. O | II | B |
| 29 | 420321104021 | RAMANA.N | II | A+ |
| 30 | 420321104022 | REVATHI.S | II | O |
| 31 | 420321104023 | SANGEETHA .B | II | B |
| 32 | 420321104026 | SURYA.A | II | O |
| 33 | 420321104027 | VIJAY CHANDRAN.M | II | A+ |

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VADAKUCHIPALAYAM,
KAPPIY

| | | | | |
|---|---|---|---|---|
| 34 | 420321104028 | VISHWHA.R | II | B+ |
| 35 | 420321104029 | YUVARAJ.S | II | B |
| 36 | 420321104301 | GUNAL. S | II | O |
| 37 | 420321104302 | THAMIZHSELVAN. M | II | B+ |
| 38 | 420321104304 | VISWESH. M | II | O |
| 39 | 420322104001 | ABIRAMI. V | I | B+ |
| 40 | 420322104003 | DEEPIGA. M | I | B |
| 41 | 420322104004 | DHINESH. K | I | A+ |
| =42 | 420322104005 | DILLIKUMAR. R | I | O |
| 43 | 420322104006 | DILLIKUMARAN. B | I | A+ |
| 44 | 420322104007 | ELAKKIYA .K | I | B |
| 45 | 420322104008 | GAJA PRIYA. R | I | O |
| 46 | 420322104009 | GOKUL. D | I | A+ |
| 47 | 420322104010 | HARISH .U | I | O |
| 48 | 420322104011 | IYYAPPAN .V | I | A+ |
| 49 | 420322104012 | JAYAMUGILAN. M | I | B+ |
| 50 | 420322104014 | KALAIYARASI. R | I | B+ |
| 51 | 420322104015 | MADHUMITHA. P | I | A+ |
| 52 | 420322104016 | MAHA DEVAN .D | I | B |
| 53 | 420322104017 | MOHANRAJ .P | I | A |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | | |
|---|---|---|---|---|
| | 420322104018 | NITHIKA .S | I | O |
| 55 | 420322104019 | PRITHISHA. T | I | O |
| 56 | 420322104020 | PRIYADHARSHINI. S | I | A+ |
| 57 | 420322104021 | PURUSHOTHAMAN M | I | B |
| 58 | 420322104022 | RAMESH KUMAR. R | I | B |
| 59 | 420322104023 | SATHISH. E | I | A+ |
| 60 | 420322104024 | SIVANESHWAR. E | I | B |
| 61 | 420322104025 | SUNDAR. S | I | B |
| 62 | 420322104027 | VAITHEESWARI .V | I | B+ |
| 63 | 420322104028 | VENKATARAMANA. T | I | A+ |
| 64 | 420322104029 | VIGNESH .I | I | B+ |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | S&H |
| **Type of Event:** | Certificate course on Python |
| **Event Title:** | Certificate course on Python |
| **Date & Time:** | **13.08.2022 to 03.10.2022** & (5 pm to 6 pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC– S&H |
| **Coordinator:** | DR.V.GIRIJA |
| **Resource person** | MR.SATHIYARAJ |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 64 participants on **13.08.2022 to 03.10.2022 at** 10.00 am with welcome Address and introduction by the co-ordinator DR.V.GIRIJA,**AP/ S&H,AREC.**<br>• Resource person MR.SATHIYARAJ HOD DEPARTMENT OF S&H has cover the basic of the Certificate course on Pythonand they demonstrated each and every concept.<br>• The students will get hands-on experience in working with Python Students really enjoyed the session and learnt a lot. Now **64 students** will be able to apply the concept and its application. |

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This is to certify that Mr./Ms .....NITHIKA.S.....has participated in the 31 days Certificate program on "PYTHON" organized by the Department of S&H, A R Engineering college , held on 13.8.2022 TO 3.10.2022

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS, M.E., Ph.D.
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENINGINEERING

## PERMISSION LETTER

**Date:15.03.2023**

**From**

The Hod
Department of electronics and communication eningineering
AR Engineering college
Kappiyampuliyur

**TO**

The principal
AR Engineering college
Kappiyampuliyur

**SUB :** Permission to conduct value-add on Course.

**Respected Sir,**

As per the instruction from IQAC regarding add-on course we have planned to conduct the add-on course for the ECE students from **27.03.2023 To 08.06.2023.**

**Name of the Course** : VALUE ADDED-COURSE ON MACHINE LEARNING

**Course Coordinator** : Ms.R.Mahalakshmi
Assistant professor/Department of ECE
AR Engineering College
Kappiyampuliyur.

So kindly permit us to conduct the above course in online.

Thanking you

Your's sincerly

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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

## CIRCULAR

**Date:13.03.2023**

**SUB**:Add-on course on Machine learning

It is planned to conduct the add-on course for the III & I year Electronics and communication engineering students. The add-on Courses that is designed and offered by our Department for the benefit of The students. add-on courses will be conducted free of cost and the willingness of students. Students who are willing to attend the below the mentioned course can Enroll their names to the course conductor.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value Add-on course on Machine learning |
| Course code | 106 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 27.03.2023 to 08.06.2023 |
| Timing | 05 pm -6pm |
| Course Co-Ordinator | Ms.R.Mahalakshmi |
| Resource person | Mr.P.Saravanan |
| Certificate | Yes |

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**A.R ENGINEERING COLLEGE**

**"VALUE ADDED COURSE"**
**on**
Machine learning"
**Department of ECE**
**27.03.2023 to 08.06.2023**
Time:5pm to 6pm
**Co-coordinator:**
Ms.R.Mahalakshmi
**Resource Person:**
Mr.P.Saravanan
HOD/Department of ECE
**Organized by**
DEPARTMENT OF ECE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



**ELIGIBILITY&REGISTRATION:**
**No registration fee.**There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Resource Person**

Mr.P.Saravanan
HOD/Department of ECE
AREC
Kappiyampuliyur

**Organizing co-ordinator:**

Ms.R.Mahalakshmi
Assistant proffesor
Department of ECE
AREC
Kappiyampuliyur.

**A.R ENGINEERING COLLEGE**
Add-on course on Machine learning
**27.03.2023 to 08.06.2023**
Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:
Date :
Place :
Participants need to register through A.R provide link on mentioned below :
Registration link :
https://arec.machine.vacc/signup

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

466

Dr.R.PANNEERDHASS,M.E.,Ph D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

DATE:27.03.2023 to 08.06.2023 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | ModuleI-Introduction to Python Programming | 27.03.2023,28.03.2023, 29.03.2023,30.03.2023, 10.04.2023,11.04.2023, | 6hrs |
| 2 | Python Installation with various IDE's | | |
| 3 | Python dataTypes | | |
| 4 | Control Structure Functions | | |
| 5 | Module2-Data analysis and Exploration | | |
| 6 | Introduction to machine learning | 13.04.2023,17.04.2023, 18.04.2023, 19.04.2023 20.04.2023,21.04.2023 | 6hrs |
| 7 | Supervised machine learning | | |
| 8 | Unsupervised machine learnings | | |
| 9 | What You Will Learn in This Section. | | |
| 10 | Why Machine Learning is the Future? | | |
| 11 | What is Machine Learning? | | |
| 12 | Understanding various aspects of data - Type, Variables, Category. | 22.04.2023,28.04.2023 29.04.2023,02.05.2023 22.05.2023, | 5hrs |
| 13 | Common Machine Learning Terms - Probability, Mean, Mode, , Range. | | |
| 14 | Types of Machine Learning Models - Classification, Regression, | | |
| 15 | Clustering etc. | | |
| 16 | What You Will Learn in This Section. | | |
| 17 | Why Machine Learning is the Future? | 25.05.2023,26.05.2023, 27.05.2023 29.05.2023,31.05.2023, 01.06.2023,02.06.2023 , | 7hrs |
| 18 | What is Machine Learning? | | |
| 19 | Understanding various aspects of data - Type, Variables, Category. | | |
| 20 | Common Machine Learning Terms - Probability, Mean, Mode, , Range. | 03.06.2023,04.06.2023, 05.06.2023,06.06.2023, 07.06.2023,08.06.2023 | 6hrs |
| 21 | Types of Machine Learning Models - Classification, Regression, | | |
| 22 | Clustering etc. | | |
| | | TOTAL | 30hrs |

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Dr. R. PANNEERDHASS M.E.,Ph.D.,
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Villupuram-605 601.

**Objective:**

Machine Learning is broad and growing sub-field of Artificial Intelligence.This course introduces students to the basic concepts and techniques of machine learning.The main objective of this course is to develop the skills required for Machine Learning Technologies with use of analyzed at,create beautiful visualizations, and problem solving using powerful machine learning algorithms. Expected Job Roles Machine Learingexpert/ Data Scientist .

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

### VALUE ADDED COURSE ON MACHINE LEARNING

**STUDENT NAME LIST:[I,III-Year]** **DATE: 27.3.2023 to 8.6.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420320106001 | GOMATHI P | III | |
| 2 | 420320106002 | GURUNATHAN R | III | |
| 3 | 420320106302 | ASHOKBARATHI E | III | |
| 4 | 420320106303 | KALANITHI J | III | |
| 5 | 420320106304 | PRIYADHARSHINI S | III | |
| 6 | 420320106306 | SUGUMARAN S | III | |
| 7 | 420322106001 | ANJANA DEVI. E | I | |
| 8 | 420322106002 | BOOBALAN .P | I | |
| 9 | 420322106003 | DHINESH . I | I | — |
| 10 | 420322106004 | ELAKKIYADHASA.S | I | |
| 11 | 420322106005 | JAYABHARATHI .G | I | |
| 12 | 420322106006 | KAVIYA. K | I | |

A.R.E.C. VPM

Dr. R. RAJVEERDHASS M.E.,Ph.D.,
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| | | | | |
|---|---|---|---|---|
| 13 | 420322106007 | MANISHA .D | I | D. Manisha |
| 14 | 420322106009 | VIJAYALAKSHMI. D | I | D. Vijayalakshmi |

**COURSE CO-ORDINATOR**

**HOD**

**PRINCIPAL**

Dr. R. PANNEERSELVAM M.E., Ph.D.,
PRINCIPAL
A.R.Engineering College,
Vadakuchipalayam, Kappiyampuliyur Post,
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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

### VALUE ADDED COURSE ON MACHINE LEARNING

**ATTENDENCE SHEET :[I,III-Year]**

**DATE: 27.3.2023 to 8.6.2023**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420320106001 | GOMATHI P | | | | | | | | | | | | | | | |
| 2 | 420320106002 | GURUNATHAN R | | | | | | | | | | | | | | | |
| 3 | 420320106302 | ASHOKBARATHI E | | | | | | | | | | | | | | | |
| 4 | 420320106303 | KALANITHI J | | | | | | | | | | | | | | | |
| 5 | 420320106304 | PRIYADHARSHINI S | | | | | | | | | | | | | | | |
| 6 | 420320106306 | SUGUMARAN S | | | | | | | | | | | | | | | |

A.R.E.C.

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| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 420322106001 | ANJANA DEVI. E | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana | E.Anjana |
| 8 | 420322106002 | BOOBALAN .P | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo | P.Boo |
| 9 | 420322106003 | DHINESH . I | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 | 420322106004 | ELAKKIYADHASA.S | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak | S.Elak |
| 11 | 420322106005 | JAYABHARATHI .G | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya | J.Jaya |
| 12 | 420322106006 | KAVIYA. K | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya | K.Kaviya |
| 13 | 420322106007 | MANISHA .D | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha | D.Manisha |
| 14 | 420322106009 | VIJAYALAKSHMI. D | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya | D.Vijaya |

A.R.E.C. VPM

Dr. R.PANNEERDHASS M.E.,Ph.D.,
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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | | | | | | | | | | | | | | | |
| 1 | 420320106001 | GOMATHI P | | | | | | | | | | | | | | | |
| 2 | 420320106002 | GURUNATHAN R | | | | | | | | | | | | | | | |
| 3 | 420320106302 | ASHOKBARATHI E | | | | | | | | | | | | | | | |
| 4 | 420320106303 | KALANITHI J | | | | | | | | | | | | | | | |
| 5 | 420320106304 | PRIYADHARSHINI S | | | | | | | | | | | | | | | |
| 6 | 420320106306 | SUGUMARAN S | | | | | | | | | | | | | | | |
| 7 | 420322106001 | ANJANA DEVI. E | | | | | | | | | | | | | | | |
| 8 | 420322106002 | BOOBALAN .P | | | | | | | | | | | | | | | |
| | | DHINESH . I | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420322106003 | | | | | | | | | | | | | | | | |
| 10 | 420322106004 | ELAKKIYADHASA.S | | | | | | | | | | | | | | | |
| 11 | 420322106005 | JAYABHARATHI .G | | | | | | | | | | | | | | | |
| 12 | 420322106006 | KAVIYA. K | | | | | | | | | | | | | | | |
| 13 | 420322106007 | MANISHA .D | | | | | | | | | | | | | | | |
| 14 | 420322106009 | VIJAYALAKSHMI. D | | | | | | | | | | | | | | | |

**COURSE CO-ORDINATOR**

A.R.E.C. VPM.

**HOD**

**PRINCIPAL**

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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

**VALUE ADDED COURSE ON MACHINE LEARNING**

**STUDENT ASSESMENT MARK LIST:[I,III-Year]** **DATE: 27.03.2023 to 08.06.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420320106001 | GOMATHI P | III | A+ |
| 2 | 420320106002 | GURUNATHAN R | III | B |
| 3 | 420320106302 | ASHOKBARATHI E | III | A+ |
| 4 | 420320106303 | KALANITHI J | III | B+ |
| 5 | 420320106304 | PRIYADHARSHINI S | III | O |
| 6 | 420320106306 | SUGUMARAN S | III | A+ |
| 7 | 420322106001 | ANJANA DEVI. E | I | B+ |
| 8 | 420322106002 | BOOBALAN .P | I | O |
| 9 | 420322106003 | DHINESH . I | I | A+ |
| 10 | 420322106004 | ELAKKIYADHASA.S | I | A |
| 11 | 420322106005 | JAYABHARATHI .G | I | B |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | | |
|---|---|---|---|---|
| 12 | 420322106006 | KAVIYA. K | I | A+ |
| 13 | 420322106007 | MANISHA .D | I | A+ |
| 14 | 420322106009 | VIJAYALAKSHMI. D | I | B+ |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

**VALUE ADDED COURSE ON MACHINE LEARNING**

**STUDENT ASSESMENT MARK LIST:[I,III-Year]** **DATE: 27.03.2023 to 08.06.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420320106001 | GOMATHI P | III | A+ |
| 2 | 420320106002 | GURUNATHAN R | III | O |
| 3 | 420320106302 | ASHOKBARATHI E | III | A+ |
| 4 | 420320106303 | KALANITHI J | III | B+ |
| 5 | 420320106304 | PRIYADHARSHINI S | III | O |
| 6 | 420320106306 | SUGUMARAN S | III | O |
| 7 | 420322106001 | ANJANA DEVI. E | I | O |
| 8 | 420322106002 | BOOBALAN .P | I | B+ |
| 9 | 420322106003 | DHINESH . I | I | B+ |
| 10 | 420322106004 | ELAKKIYADHASA.S | I | O |
| 11 | 420322106005 | JAYABHARATHI .G | I | A+ |

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| | | | | |
|---|---|---|---|---|
| 12 | 420322106006 | KAVIYA. K | I | B+ |
| 13 | 420322106007 | MANISHA .D | I | A+ |
| 14 | 420322106009 | VIJAYALAKSHMI. D | I | O |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
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# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyurpost, Villupuram-605601, Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | ECE |
| **Type of Event:** | value added course |
| **Event Title:** | Machine learning |
| **Date & Time:** | 27.03.2023 to 08.06.2023 & (5 pm- 6pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–ECE |
| **Coordinator:** | Ms.R.Mahalakshmi |
| **Resource person:** | Mr.P.Saravanan |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | **Following was the objective of the course:**<br>• Introduction Programming Python<br>• Data analysis and Exploration Machine Leaming<br>• Machine learning and its Application<br><br>The Resource person **Mr.P.Saravanan**HOD/Department of ECE have covered the above topic completely. Students really enjoyed the session and learnt a lot now 14 students will be able to apply the concepts in advance applications. |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A R ENGINEERING COLLEGE

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

**This is to certify that Mr./Ms .....P.GOMATHI.....has participated in the 30 days Value added course on "Machine Learning" organized by the Department of ECE, A R Engineering college , held on 27.3.2023 to 08.6.2023 .**

HOD

PRINCIPAL

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENTOF CSE

## PERMISSION LETTER

Date:18.03.2023

**FROM**

The HOD
Department of CSE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB**: Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct Value-added course on"**DOTNET**"on 27.03.2023 to 09.06.2023.
We request you to grant permission for the same.

**Name of the Course:** DOTNET

**Course-Coordinator :** Ms.R.Suganya
Assistant professor/Department of CSE
AR Engineering College
Kappiyampuliyur.

Thanking you

Your's sincerely

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

457 490

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENTOF CSE
## CIRCULAR

The II-Year students of the department of CSE, AR engineering college who are interested are hereby informed to enroll their names of the value-added course titled "DOTNET".

**COURSE DETAILS:**

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON DOTNET |
| Course code | 103 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 27.03.2023 to 09.06.2023 |
| Timing | 5 pm – 6pm |
| Course Co-Ordinator | Ms. P.SUGANYA |
| Resource person | N.Muthukumaran |
| Certificate | Yes |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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458 49

# A. R. ENGINEERING COLLEGE

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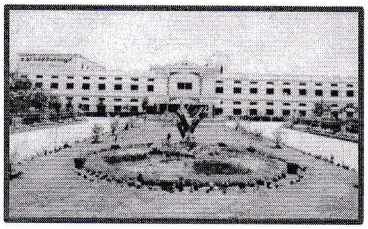
**A.R ENGINEERING COLLEGE**

**"VALUE ADDED COURSE"**
**on**
**"DOTNET"**
**Department of CSE**
**27.03.2023 to 09.06.2023**
**Time:**05 pm-6 pm
**Co-coordinator:**
Ms.P.Suganya
**Resource Person:**
Mr.N.MUTHUKUMARAN
HOD/Department of CSE

**Organized by**
DEPARTMENT OF CSE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION:**
**No registration fee.**There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Resource Person**

Mr.N.MUTHUKUMARAN
HOD/Department of CSE
AREC
Kappiyampuliyur

**Organizing co-ordinator:**

Ms.P.Suganya
Assistant proffesor
Department of CSE
AREC
Kappiyampuliyur.

**A.R ENGINEERING COLLEGE**
**VALUE ADDED COURSE ON DOTNET**
**27.03.2023 to 09.06.2023**
Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:
Date :
Place :
Participants need to register through A.R provide link on mentioned below :
Registration link :
https://arec.dotnet.vacc/signup

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

A92

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF CSE

## DOT-NET COURSE CONTENT

**DATE:27.03.2023 to 09.06.2023** **TOTAL Hours: 31**

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introducing dot net-the blg picture | 27.03.2023,28.03.0223 , 29.03.2023,30.03.2023 | 4hrs |
| 2 | Characterize the NET Paradigm | | |
| 3 | Describe Web Services | 10.04.2023 | 1hrs |
| 4 | Building dot net-the frame work components | | |
| 5 | Describe the NET Frame work | | |
| 6 | Describe the Common Language | 11.04.2023,13.04.2023, 17.04.2023,18.04.2023, 19.04.2023,20.04.2023 | 6hrs |
| 7 | RUN TIME(CLR) | | |
| 8 | Compare the NET Class Frame work to all languages Specific Class Library | | |
| 9 | Decide When to Use NET Windows. | 21.04.2023,22.04.2023, 28.04.2023,29.04.2023, 02.05.2023,22.05.2023, 25.05.2023,26.05.2023 | 8hrs |
| 10 | Describe the Uses of Web Forms and Web Services | | |
| 11 | MANAGE THE COMMON LANGUAGE RUN TIME | | |
| 12 | Identify the Components of the CLR | | |
| 13 | Describe Microsoft intermediate Language(MSIL). | | |
| 14 | Distinguish between the NET Compilers | 31.05.2023, 01.06.2023,02.06.2023, 03.06.2023 , 02.06.2023, 03.06.2023 | 6hrs |
| 15 | Describe How the CLR Manages Memory. | | |
| 16 | Taking advantage of the common language run time | | |
| 17 | Re-use Code,Describe Multiple Language Support in NET | | |
| 18 | UNIFYING DOT NET THE CLASS FRAME WORK | | |
| 19 | Describe the NET Class Frame work | | |
| 20 | Describe the Purpose of Name spaces. | 04.06.2023 , 05.06.2023 , 06.06.2023 , 07.06.2023 , 08.06.2023,09.06.2023 | 6hrs |
| 21 | To Use or Not to Use heritance | | |
| 22 | Differentiate Between Interface and Inheritance Based Polymorphism. | | |
| 23 | Introducing dot net-the blg picture | | |
| 24 | Characterize the NET Paradiagram | | |
| | | | 31 hrs |

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE
## VALUE ADDED COURSE ON DOT-NET

**STUDENTS NAME LIST :[II-YEAR]:** **DATE: 27.3.2023 to 09.06.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420321104004 | AKASH .M | II | M. Akash |
| 2 | 420321104007 | DIVAGAR .G | II | G. Divagar. |
| 3 | 420321104010 | JAGADEESHWARAN.T | II | T. Jagadeeshwaran |
| 4 | 420321104011 | KANIMOZHI.S | II | Kanimozhi. S |
| 5 | 420321104012 | KAVIPRIYA.S | II | S. Kavipriya |
| 6 | 420321104014 | MADHAN M | II | MADHAN. M |
| 7 | 420321104016 | MAGESHWARY.M | II | M. Mageshwary |
| 8 | 420321104018 | MOHANA PRIYA.A | II | A. Mohanapriya |
| 9 | 420321104019 | NITHIYANANDAN. O | II | O. Nithiyanandan |
| 10 | 420321104021 | RAMANA.N | II | N. Ramana |
| 11 | 420321104022 | REVATHI.S | II | Revathi. S |
| 12 | 420321104023 | SANGEETHA .B | II | B. Sangeetha |

**COURSE CO-ORDINATOR**

**HOD**

**PRINCIPAL**

Dr. R. PANNEERDHASS M.E.,Ph.D.,
PRINCIPAL
A.R.Engineering College,
Vadakuchipalayam, Kappiyampuliyur Post,
Villupuram-605 604.

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE

### VALUE ADDED COURSE ON DOT-NET

**ATTENDENCE SHEET:[II-YEAR]:** **DATE: 27.3.2023 to 09.06.2023**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420321104004 | AKASH .M | | | | | | | | | | | | | | | |
| 2 | 420321104007 | DIVAGAR .G | | | | | | | | | | | | | | | |
| 3 | 420321104010 | JAGADEESHWARAN.T | | | | | | | | | | | | | | | |
| 4 | 420321104011 | KANIMOZHI.S | | | | | | | | | | | | | | | |
| 5 | 420321104012 | KAVIPRIYA.S | | | | | | | | | | | | | | | |
| 6 | 420321104014 | MADHAN M | | | | | | | | | | | | | | | |
| 7 | 420321104016 | MAGESHWARY.M | | | | | | | | | | | | | | | |
| 8 | 420321104018 | MOHANA PRIYA.A | | | | | | | | | | | | | | | |

A.R.E.C. VPM.

Dr. R. PANNEERDHASS M.E., Ph.D.,
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Villupuram-605 601.

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420321104019 | NITHIYANANDAN. O | | | | | | | | | | | | | | |
| 10 | 420321104021 | RAMANA.N | | | | | | | | | | | | | | |
| 11 | 420321104022 | REVATHI.S | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R | S.R |
| 12 | 420321104023 | SANGEETHA .B | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420321104004 | AKASH .M | | | | | | | | | | | | | | | |
| 2 | 420321104007 | DIVAGAR .G | | | | | | | | | | | | | | | |
| 3 | 420321104010 | JAGADEESHWARAN.T | | | | | | | | | | | | | | | |
| 4 | 420321104011 | KANIMOZHI.S | | | | | | | | | | | | | | | |
| | 420321104012 | KAVIPRIYA.S | | | | | | | | | | | | | | | |

A.R.E.C. VPM.

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# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)

Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | | | | | | | | | | | | | | | | |
| 6 | 420321104014 | MADHAN M | | | | | | | | | | | | | | |
| 7 | 420321104016 | MAGESHWARY.M | | | | | | | | | | | | | | |
| 8 | 420321104018 | MOHANA PRIYA.A | | | | | | | | | | | | | | |
| 9 | 420321104019 | NITHIYANANDAN. O | | | | | | | | | | | | | | |
| 10 | 420321104021 | RAMANA.N | | | | | | | | | | | | | | |
| 11 | 420321104022 | REVATHI.S | | | | | | | | | | | | | | |
| 12 | 420321104023 | SANGEETHA .B | | | | | | | | | | | | | | |

**COURSE CO-ORDINATOR**

**HOD**

**PRINCIPAL**

Dr. R.PANNEERDHASS M.E.,Ph.D.,
PRINCIPAL
A.R.Engineering College,
Vadakuchipalayam, Kappiyampuliyur Post,
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# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF CSE

## VALUE ADDED COURSE ON DOT-NET

**STUDENTS ASSESMENT MARK LIST :[II-YEAR]:** **DATE: 27.03.2023 to 09.06.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420321104004 | AKASH .M | II | 95 |
| 2 | 420321104007 | DIVAGAR .G | II | 77 |
| 3 | 420321104010 | JAGADEESHWARAN.T | II | 85 |
| 4 | 420321104011 | KANIMOZHI.S | II | 98 |
| 5 | 420321104012 | KAVIPRIYA.S | II | 65 |
| 6 | 420321104014 | MADHAN M | II | 85 |
| 7 | 420321104016 | MAGESHWARY.M | II | 82 |
| 8 | 420321104018 | MOHANA PRIYA.A | II | 75 |
| 9 | 420321104019 | NITHIYANANDAN. O | II | 65 |
| 10 | 420321104021 | RAMANA.N | II | 72 |
| 11 | 420321104022 | REVATHI.S | II | 85 |
| 12 | 420321104023 | SANGEETHA .B | II | 65 |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE VALUE

## VALUE ADDED COURSE ON DOT-NET

**STUDENTS ASSESMENT MARK LIST :[II-YEAR]:** **DATE: 27.03.2023 to 09.06.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420321104004 | AKASH .M | II | 90 |
| 2 | 420321104007 | DIVAGAR .G | II | 76 |
| 3 | 420321104010 | JAGADEESHWARAN.T | II | 85 |
| 4 | 420321104011 | KANIMOZHI.S | II | 96 |
| 5 | 420321104012 | KAVIPRIYA.S | II | 65 |
| 6 | 420321104014 | MADHAN M | II | 58 |
| 7 | 420321104016 | MAGESHWARY.M | II | 59 |
| 8 | 420321104018 | MOHANA PRIYA.A | II | 60 |
| 9 | 420321104019 | NITHIYANANDAN. O | II | 65 |
| 10 | 420321104021 | RAMANA.N | II | 49 |
| 11 | 420321104022 | REVATHI.S | II | 69 |
| 12 | 420321104023 | SANGEETHA .B | II | 65 |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS M.E., Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | **CSE** |
| **Type of Event:** | Value Added Course |
| **Event Title:** | DOTNET |
| **Date & Time:** | 27.03.2023 to 09.06.2023& (5 pm-6pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–CSE |
| **Coordinator:** | P.SUGANYA |
| **Resourceperson** | Mr.N.MUTHUKUMARAN |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | ❖ DOT-NET course conducted on 27.03.2023 to 09.06.2023 Total duration of course was **31 hours**. Total **12 Students** have attended the course.<br>❖ This course elucidates concepts related to Internet of things.The students will get hands-on experience in working with **DOTNET**.Resource person **Mr.N.MUTHUKUMARAN** HOD of CSE has cover the basic of the **DOTNET** and they demonstrated each and every concept and also covered set.<br>❖ Students really enjoyed the session and learnt a lot. Now **12 students** will be able to apply the concept in advanced application. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

~~467~~ 506

# A R ENGINEERING COLLEGE

(Approved by AICTE New Delhi Affiliated to Anna university,chennai )
Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....M.AKASH.....has participated in the 31 days Values added course on " DOT-NET" organized by the Department of CSE, A R Engineering college , held on 27.3.2023 to 09.6.2023

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PAMEERDHASS M.E., Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE & AI&DS
## PERMISSION LETTER

**Date:18.03.2023**

**From**

The Hod
Department of CSE
AR Engineering college
Kappiyampuliyur

**TO**

The principal
AR Engineering college
Kappiyampuliyur

**SUB** :Seeking permission to conduct Value-added course.

**Respected Sir,**

We are planning to conduct Value-added course on"C#"on 27.03.2023 to 08.06.2023.We request you to grant permission for the same.

**Name of the Course :C#**

**Course Coordinator :**Ms.P.SUGANYA
Assistant professor/Department of CSE
AR Engineering College
Kappiyampuliyur.

Thanking you

Your's sincerely

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

469 502

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyurpost, Villupuram-605601, Tamilnadu.

## DEPARTMENT OF CSE & AI&DS
## CIRCULAR

All the I & II year students of the department of CSE, AR college of engineering who are interested are hereby informed to enroll their names ofthe value added course titled "C#".

**COURSE DETAILS :**

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON C# |
| Course code | 103 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 27.03.2023 to 08.06.2023 |
| Timing | 5 pm- 6pm |
| Course Co-Ordinator | Ms.P.Suganya |
| Resource person | Mr.N.Muthukumaran |
| Certificate | Yes |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

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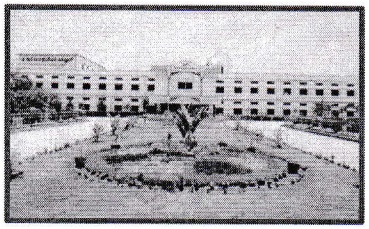
Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## A.R ENGINEERING COLLEGE

**"VALUE ADDED COURSE"**
**on**
**"C#"**
**Department of CSE**
**27.03.2023 to 09.06.2023**
Time:5 pm-6 pm
**Co-coordinator:**
Ms.P.Suganya
**Resource Person:**
Mr.N.MUTHUKUMARAN
HOD/Department of CSE
**Organized by**
DEPARTMENT OF CSE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION:**
**No registration fee.**There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Resource Person**

Mr.N.MUTHUKUMARAN
HOD/Department of CSE
AREC
Kappiyampuliyur

**Organizing co-ordinator:**

Ms.P.Suganya
Assistant proffesor
Department of CSE
AREC
Kappiyampuliyur.

**A.R ENGINEERING COLLEGE**
**VALUE ADDED COURSE ON**
**C#**
**27.03.2023 to 09.06.2023**

Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature of The Participant:
Date :
Place :
Participants need to register through A.R provide link on mentioned below :
Registration link :
https://arec.c#.vacc/signup

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

504

R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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## DEPARTMENT OF CSE & AI&DS
## VALUE ADDED COURSE ON C#

DATE:27.03.2023 to 08.06.2023 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Getting Started | 27.03.2023,28.03.2023,10.04.2023, 11.04.2023 ,13.04.2023,17.04.2023, 18.04.2023, 19.04.2023 , 20.04.2023 | 09hrs |
| 2 | C# fundamentals,Method parameters | | |
| 3 | Classes and objects | | |
| 4 | Class designs,Inheritance,Classes and structs | | |
| 5 | Working with objects | | |
| 6 | Exeception handling,Interface | | |
| 7 | Resource management | | |
| 8 | Delegates and events | | |
| 9 | Delegates,The delegate keyword | 21.04.2023,22.04.2023,28.04.2023, 29.04.2023,02.05.2023,22.05.2023, | 6hrs |
| 10 | Assigning methods to deligates | | |
| 11 | Events,Call backs,Standard events | | |
| 12 | Windows programming | | |
| 13 | Window forms, Control and components | 27.05.2023,29.05.2023 31.05.2023,01.05.2023 02.05.2023,03.05.2023,04.05.2023 05.05.2023,06.05.2023 | 9hrs |
| 14 | Windows applications | | |
| 15 | Threads | | |
| 16 | Thread class, Time thread | | |
| 17 | Interlocked monitor | | |
| 18 | Generics and collection | 07.05.2023,08.05.2023,25.05.2023,26.05.2023 , 07.06.2023 ,08.06.2023 | 6hrs |
| 19 | Generic methods and classes | | |
| 20 | Generic Delegates,Indexes | | |
| 21 | Stack and Queue | | |
| 22 | Array List, List, Linked List | | |
| | | TOTAL | 30hrs |

A.R.E.C. VPM

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Villupuram-605 601.

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE & AIDS

## VALUE ADDED COURSE ON C#

**STUDENTS NAME LIST:[I,II-Year]** **DATE: 27.3.2023 to 8.6.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420321104026 | SURYA.A | II | |
| 2 | 420321104027 | VIJAY CHANDRAN.M | II | |
| 3 | 420321104028 | VISHWHA.R | II | |
| 4 | 420321104029 | YUVARAJ.S | II | |
| 5 | 420321104301 | GUNAL. S | II | |
| 6 | 420321104302 | THAMIZHSELVAN. M | II | |
| 7 | 420321104304 | VISWESH. M | II | |
| 8 | 420322104001 | ABIRAMI. V | I | |
| 9 | 420322104003 | DEEPIGA. M | I | |
| 10 | 420322104004 | DHINESH. K | I | |
| 11 | 420322104005 | DILLIKUMAR. R | I | |
| 12 | 420322104006 | DILLIKUMARAN. B | I | |
| 13 | 420322104007 | ELAKKIYA .K | I | |
| 14 | 420322104008 | GAJA PRIYA. R | I | |
| 15 | 420322104009 | GOKUL. D | I | |

A.R.E.C. VPM

Dr. R.PANNEERDHASS M.E.,Ph.D.,
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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | | |
|---|---|---|---|---|
| 16 | 420322104010 | HARISH .U | I | |
| 17 | 420322104011 | IYYAPPAN .V | I | |
| 18 | 420322104012 | JAYAMUGILAN. M | I | |
| 19 | 420322104014 | KALAIYARASI. R | I | |
| 20 | 420322104015 | MADHUMITHA. P | I | |
| 21 | 420322104016 | MAHA DEVAN .D | I | |
| 22 | 420322104017 | MOHANRAJ .P | I | |
| 23 | 420322104018 | NITHIKA .S | I | |
| 24 | 420322104019 | PRITHISHA. T | I | |
| 25 | 420322104020 | PRIYADHARSHINI. S | I | |
| 26 | 420322104021 | PURUSHOTHAMAN M | I | |
| 27 | 420322104022 | RAMESH KUMAR. R | I | |
| 28 | 420322104023 | SATHISH. E | I | |
| 29 | 420322104024 | SIVANESHWAR. E | I | |
| 30 | 420322104025 | SUNDAR. S | I | |
| 31 | 420322104027 | VAITHEESWARI .V | I | |
| 32 | 420322104028 | VENKATARAMANA. T | I | |
| 33 | 420322104029 | VIGNESH .I | I | |
| 34 | 420322243002 | ANITHA.S | I | |
| 35 | 420322243003 | GUGAN.N | I | |

Dr. R. PANNEERDHASS M.E., Ph.D.,
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| | | | | |
|---|---|---|---|---|
| 36 | 420322243004 | KAVIYA.M | I | |
| 37 | 420322243005 | KEMASRI.Y | I | |
| 38 | 420322243006 | MOHANASUNDHARAM.S | I | |
| 39 | 420322243007 | PRAVEENA.S | I | |
| 40 | 420322243009 | PREMANANDHAN.S | I | |
| 41 | 420322243010 | ROSHINI.K | I | |
| 42 | 420322243012 | SOUMIYA.P | I | |
| 43 | 420322243014 | SUJITHRA.M | I | |
| 44 | 420322243015 | SURESH.R | I | |
| 45 | 420322243016 | SURYA.S | I | |
| 46 | 420322243018 | TAMILMANI.S | I | |
| 47 | 420322243019 | YOKESHWARAN.S | I | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

Dr. R. PANNEERDHASS M.E., Ph.D.,
PRINCIPAL
A.R.Engineering College,
Vadakuchipalayam, Kappiyampuliyur Post,
Villupuram-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE & AIDS
## VALUE ADDED COURSE ON C#

**ATTENDENCE SHEET:[I&II Year]**

**DATE: 27.3.2023 to 8.6.2023**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420321104026 | SURYA.A | | | | | | | | | | | | | | | |
| 2 | 420321104027 | VIJAY CHANDRAN.M | | | | | | | | | | | | | | | |
| 3 | 420321104028 | VISHWHA.R | | | | | | | | | | | | | | | |
| 4 | 420321104029 | YUVARAJ.S | | | | | | | | | | | | | | | |
| 5 | 420321104301 | GUNAL. S | | | | | | | | | | | | | | | |
| 6 | 420321104302 | THAMIZHSELVAN. M | | | | | | | | | | | | | | | |
| 7 | 420321104304 | VISWESH. M | | | | | | | | | | | | | | | |
| 8 | 420322104001 | ABIRAMI. V | | | | | | | | | | | | | | | |
| 9 | 420322104003 | DEEPIGA. M | | | | | | | | | | | | | | | |
| 10 | 420322104004 | DHINESH. K | | | | | | | | | | | | | | | |
| 11 | 420322104005 | DILLIKUMAR. R | | | | | | | | | | | | | | | |

A.R.E.C. VPM

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 420322104006 | DILLIKUMARAN. B | | | | | | | | | | | | | | |
| 13 | 420322104007 | ELAKKIYA .K | | | | | | | | | | | | | | |
| 14 | 420322104008 | GAJA PRIYA. R | | | | | | | | | | | | | | |
| 15 | 420322104009 | GOKUL. D | | | | | | | | | | | | | | |
| 16 | 420322104010 | HARISH .U | | | | | | | | | | | | | | |
| 17 | 420322104011 | IYYAPPAN .V | | | | | | | | | | | | | | |
| 18 | 420322104012 | JAYAMUGILAN. M | | | | | | | | | | | | | | |
| 19 | 420322104014 | KALAIYARASI. R | | | | | | | | | | | | | | |
| 20 | 420322104015 | MADHUMITHA. P | | | | | | | | | | | | | | |
| 21 | 420322104016 | MAHA DEVAN .D | | | | | | | | | | | | | | |
| 22 | 420322104017 | MOHANRAJ .P | | | | | | | | | | | | | | |
| 23 | 420322104018 | NITHIKA .S | | | | | | | | | | | | | | |
| 24 | 420322104019 | PRITHISHA. T | | | | | | | | | | | | | | |
| 25 | 420322104020 | PRIYADHARSHINI. S | | | | | | | | | | | | | | |
| 26 | 420322104021 | PURUSHOTHAMAN M | | | | | | | | | | | | | | |
| 27 | 420322104022 | RAMESH KUMAR. R | | | | | | | | | | | | | | |
| 28 | 420322104023 | SATHISH. E | | | | | | | | | | | | | | |
| 29 | 420322104024 | SIVANESHWAR. E | | | | | | | | | | | | | | |
| 30 | 420322104025 | SUNDAR. S | | | | | | | | | | | | | | |
| 31 | 420322104027 | VAITHEESWARI .V | | | | | | | | | | | | | | |
| 32 | 420322104028 | VENKATARAMANA. T | | | | | | | | | | | | | | |
| 33 | 420322104029 | VIGNESH .J | | | | | | | | | | | | | | |

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 420322243002 | ANITHA.S | | | | | | | | | | | | | | | |
| 35 | 420322243003 | GUGAN.N | | | | | | | | | | | | | | | |
| 36 | 420322243004 | KAVIYA.M | | | | | | | | | | | | | | | |
| 37 | 420322243005 | KEMASRI.Y | | | | | | | | | | | | | | | |
| 38 | 420322243006 | MOHANASUNDHARAM.S | | | | | | | | | | | | | | | |
| 39 | 420322243007 | PRAVEENA.S | | | | | | | | | | | | | | | |
| 40 | 420322243009 | PREMANANDHAN.S | | | | | | | | | | | | | | | |
| 41 | 420322243010 | ROSHINI.K | | | | | | | | | | | | | | | |
| 42 | 420322243012 | SOUMIYA.P | | | | | | | | | | | | | | | |
| 43 | 420322243014 | SUJITHRA.M | | | | | | | | | | | | | | | |
| 44 | 420322243015 | SURESH.R | | | | | | | | | | | | | | | |
| 45 | 420322243016 | SURYA.S | | | | | | | | | | | | | | | |
| 46 | 420322243018 | TAMILMANI.S | | | | | | | | | | | | | | | |
| 47 | 420322243019 | YOKESHWARAN.S | | | | | | | | | | | | | | | |

A.R.E.C. VPM.

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# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| 1 | 420321104026 | SURYA.A | | | | | | | | | | | | | | | |
| 2 | 420321104027 | VIJAY CHANDRAN.M | | | | | | | | | | | | | | | |
| 3 | 420321104028 | VISHWHA.R | | | | | | | | | | | | | | | |
| 4 | 420321104029 | YUVARAJ.S | | | | | | | | | | | | | | | |
| 5 | 420321104301 | GUNAL. S | | | | | | | | | | | | | | | |
| 6 | 420321104302 | THAMIZHSELVAN. M | | | | | | | | | | | | | | | |
| 7 | 420321104304 | VISWESH. M | | | | | | | | | | | | | | | |
| 8 | 420322104001 | ABIRAMI. V | | | | | | | | | | | | | | | |
| 9 | 420322104003 | DEEPIGA. M | | | | | | | | | | | | | | | |
| 10 | 420322104004 | DHINESH. K | | | | | | | | | | | | | | | |
| 11 | 420322104005 | DILLIKUMAR. R | | | | | | | | | | | | | | | |
| 12 | 420322104006 | DILLIKUMARAN. B | | | | | | | | | | | | | | | |
| 13 | 420322104007 | ELAKKIYA .K | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 14 | 420322104008 | GAJA PRIYA. R | |
| 15 | 420322104009 | GOKUL. D | |
| 16 | 420322104010 | HARISH .U | |
| 17 | 420322104011 | IYYAPPAN .V | |
| 18 | 420322104012 | JAYAMUGILAN. M | |
| 19 | 420322104014 | KALAIYARASI. R | |
| 20 | 420322104015 | MADHUMITHA. P | |
| 21 | 420322104016 | MAHA DEVAN .D | |
| 22 | 420322104017 | MOHANRAJ .P | |
| 23 | 420322104018 | NITHIKA .S | |
| 24 | 420322104019 | PRITHISHA. T | |
| 25 | 420322104020 | PRIYADHARSHINI. S | |
| 26 | 420322104021 | PURUSHOTHAMAN M | |
| 27 | 420322104022 | RAMESH KUMAR. R | |
| 28 | 420322104023 | SATHISH. E | |
| 29 | 420322104024 | SIVANESHWAR. E | |
| 30 | 420322104025 | SUNDAR. S | |
| 31 | 420322104027 | VAITHEESWARI .V | |
| 32 | 420322104028 | VENKATARAMANA. T | |
| 33 | 420322104029 | VIGNESH .I | |
| 34 | 420322243002 | ANITHA.S | |
| 35 | 420322243003 | GUGAN.N | |

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| | | | |
|---|---|---|---|
| 36 | 420322243004 | KAVIYA.M | |
| 37 | 420322243005 | KEMASRI.Y | |
| 38 | 420322243006 | MOHANASUNDHARAM. S | |
| 39 | 420322243007 | PRAVEENA.S | |
| 40 | 420322243009 | PREMANANDHAN.S | |
| 41 | 420322243010 | ROSHINI.K | |
| 42 | 420322243012 | SOUMIYA.P | |
| 43 | 420322243014 | SUJITHRA.M | |
| 44 | 420322243015 | SURESH.R | |
| 45 | 420322243016 | SURYA.S | |
| 46 | 420322243018 | TAMILMANI.S | |
| 47 | 420322243019 | YOKESHWARAN.S | |

**COURSE CO-ORDINATOR**

**HOD**

**PRINCIPAL**

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## DEPARTMENT OF CSE & AIDS

## VALUE ADDED COURSE ON C#

**STUDENTS ASSESMENT MARK LIST:[I,II-Year]** **DATE:27.03.2023 to 08.06.2023**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420321104026 | SURYA.A | II | 85 |
| 2 | 420321104027 | VIJAY CHANDRAN.M | II | 85 |
| 3 | 420321104028 | VISHWHA.R | II | 68 |
| 4 | 420321104029 | YUVARAJ.S | II | 85 |
| 5 | 420321104301 | GUNAL. S | II | 74 |
| 6 | 420321104302 | THAMIZHSELVAN. M | II | 75 |
| 7 | 420321104304 | VISWESH. M | II | 85 |
| 8 | 420322104001 | ABIRAMI. V | I | 96 |
| 9 | 420322104003 | DEEPIGA. M | I | 53 |
| 10 | 420322104004 | DHINESH. K | I | 85 |
| 11 | 420322104005 | DILLIKUMAR. R | I | 98 |
| 12 | 420322104006 | DILLIKUMARAN. B | I | 63 |
| 13 | 420322104007 | ELAKKIYA .K | I | 95 |
| 14 | 420322104008 | GAJA PRIYA. R | I | 65 |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E., Ph.D.,
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| | | | | |
|---|---|---|---|---|
| 15 | 420322104009 | GOKUL. D | I | 85 |
| 16 | 420322104010 | HARISH .U | I | 74 |
| 17 | 420322104011 | IYYAPPAN .V | I | 65 |
| 18 | 420322104012 | JAYAMUGILAN. M | I | 65 |
| 19 | 420322104014 | KALAIYARASI. R | I | 98 |
| 20 | 420322104015 | MADHUMITHA. P | I | 88 |
| 21 | 420322104016 | MAHA DEVAN .D | I | 78 |
| 22 | 420322104017 | MOHANRAJ .P | I | 98 |
| 23 | 420322104018 | NITHIKA .S | I | 98 |
| 24 | 420322104019 | PRITHISHA. T | I | 65 |
| 25 | 420322104020 | PRIYADHARSHINI. S | I | 95 |
| 26 | 420322104021 | PURUSHOTHAMAN M | I | 85 |
| 27 | 420322104022 | RAMESH KUMAR. R | I | 78 |
| 28 | 420322104023 | SATHISH. E | I | 65 |
| 29 | 420322104024 | SIVANESHWAR. E | I | 65 |
| 30 | 420322104025 | SUNDAR. S | I | 98 |
| 31 | 420322104027 | VAITHEESWARI .V | I | 71 |
| 32 | 420322104028 | VENKATARAMANA. T | I | 98 |
| 33 | 420322104029 | VIGNESH .I | I | 96 |
| 34 | 420322243002 | ANITHA.S | I | 98 |

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|---|---|---|---|---|
| 35 | 420322243003 | GUGAN.N | I | 85 |
| 36 | 420322243004 | KAVIYA.M | I | 75 |
| 37 | 420322243005 | KEMASRI.Y | I | 65 |
| 38 | 420322243006 | MOHANASUNDHARAM.S | I | 63 |
| 39 | 420322243007 | PRAVEENA.S | I | 61 |
| 40 | 420322243009 | PREMANANDHAN.S | I | 78 |
| 41 | 420322243010 | ROSHINI.K | I | 96 |
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| 44 | 420322243015 | SURESH.R | I | 61 |
| 45 | 420322243016 | SURYA.S | I | 68 |
| 46 | 420322243018 | TAMILMANI.S | I | 63 |
| 47 | 420322243019 | YOKESHWARAN.S | I | 75 |

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517

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This is to certify that Mr./Ms .....A.SURYA.....has participated in the 30 days Certificate course on " C#" organized by the Department of CSE, A R Engineering college , held on 27.3.2023 to 08.6.2023

HOD

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

PRINCIPAL

Dr.R ... HASS, M.E ...
... AL
... COLLEGE
A.R.E ...
VA...
KAPPIY...
VILLUPURAM-605 ...

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This is to certify that Mr./Ms .....YOKESHWARAN.S.....has participated in the 30 days Certificate course on " C#" organized by the Department of CSE, A R Engineering college , held on 27.3.2023 to 08.6.2023

HOD

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

PRINCIPAL

Dr.R.PANNEERDHASS, M.E., Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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# ACADEMIC YEAR

# 2021 - 2022

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF CSE

## PERMISSION LETTER

**Date:04.08.2021**

**From**

The Hod

Department of CSE
AR Engineering college

Kappiyampuliyur

**TO**

The principle

AR Engineering college

Kappiyampuliyur

**SUB:** Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct Value added course on**"SEO"on** 19.08.2021 TO 25.09.2021.We request you to grant permission for the same.

Thanking you,

Your`s sincerely

Dr.R.PANNEERDHASS,M.E.,Ph.D
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CSE

## CIRCULAR

**Date:** 07.08.2021

All the students of the department of CSE, AR college of engineering who are interested are hereby informed to enroll their names of the "value added course titled SEO".

**COURSE DETAILS:**

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON SEO |
| Course code | VACSE101 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 19.08.2021 TO 25.09.2021 |
| Timing | 5 PM TO 6 PM |
| Course Co-Ordinator | Mrs.M.Priya/AP CSE |
| Resource person | Dr.K.Dhanalakshmi/HOD CSE CKT college of Engineering |
| Certificate | Yes |

K. Dhanalakshmi

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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**A.R ENGINEERING COLLEGE**
**"VALUE ADDED COURSE ON SEO"**
Department of Cse

19.08.2021 TO 25.09.2021

Time:05.00 pm to 06.00 pm

**Co-ordinator:**

Mrs.M.Priya

AP/Department of Cse

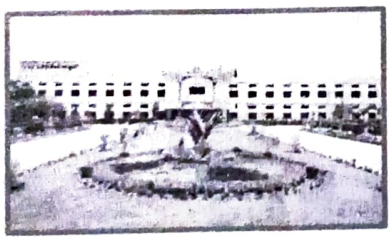
**Resource Person:**

Mrs.K.Dhanalakshmi

HOD/Department of Cse

CKT College of Engineering

**Organized by**
DEPARTMENT OF CSE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION**

**No registration fee.**

There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- Understand consumer keyword search behavior and perform a gap analysis.
- To optimize a website's technical configuration content relevance and link popularity.

**A.R ENGINEERING COLLEGE**
**VALUE ADDED COURSE**
**ON SEO**
19.08.2021 TO 25.09.2021
Registration form

Name:

Designation:

College:

Branch:

Address:

Whatsapp No:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.course./signin

For more information contact

Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## DEPARTMENT OF CSE

### VALUE ADDED COURSE ON SEO

DATE: 19.08.2021 TO 25.09.2021 Total Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | ON-PAGESEO<br>Content quality<br>Keywords<br>Image optimization<br>Internal links | 19.08.2021 /21.08.2021<br>/23.08.2021 /24.08.2021<br>/25.08.2021/26.08.2021 | 6 hrs |
| 2 | External links<br>IMAGESEO<br>Keywords<br>Meta<br>data Compression<br>Dimensions Lazy loading | 27.08.2021 /28.08.2021<br>/31.08.2021<br>/1.09.2021/2.09.2021<br>3.09.2021/4.09.2021<br>6.09.2021/7.09.2021 | 9 hrs |
| 3 | VIDEO SEO<br>Quality,Keywords<br>Meta,Schema,Back jinks | 8.09.2021/9.09.2021<br>/11.09.2021/13.09.2021<br>/14.09.2021<br>15.09.2021/16.09.2021<br>/17.09.2021/18.09.2021<br>/20.09.2021 | 10 hrs |
| 4 | Social signals,LOCAL SEO<br>Listing<br>Reviews<br>Keywords<br>Social data | 21.09.2021/22.09.2021/<br>23.09.2021/24.09.2021/<br>25.09.2021 | 5 hrs |
| | | TOTAL | 30 hrs |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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## DEPARTMENT OF CSE
## VALUE ADDED COURSE ON SEO

**STUDENTS NAME LIST:[III,IV-YEAR]** **DATE:19.08.2021 TO 25.09.2021**

| S.NO | REG NO | NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420319104001 | CHANDRU M | Chandru M |
| 2 | 420319104002 | GOPINATH K | Gopinatha. |
| 3 | 420319104003 | REVATHY E | Revathi. |
| 4 | 420319104501 | JAYASRI V | Jaya |
| 5 | 420319104701 | IYYAPPAN.B | Iyyappan. |
| 6 | 420318104001 | ABITHA.A | Abi |
| 7 | 420318104002 | AMIRTHALAKSHMI V | Amirthi... |
| 8 | 420318104003 | ANANDHI S | Anandhi... |
| 9 | 420318104004 | BHUVANESHWARI G | Bhuvaneshwari |
| 10 | 420318104005 | GIRIPRASATH K | Giriprasathi. |
| 11 | 420318104007 | GUNASEELAN G | Guna... |
| 12 | 420318104008 | KAVITHENDRAL K | Kavithendral. |
| 13 | 420318104009 | KAVITHRA K | Kavithra |
| 14 | 420318104010 | MANGALAMBIGAI A | Mangalambigai. |

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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

PANNEERDHASS,M.E.,Ph.D.,
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| | | | |
|---|---|---|---|
| 15 | 420318104011 | SANTHI J | |
| 16 | 420318104012 | STEPHENRAJ R | |
| 17 | 420318104013 | SUJATHA A | |
| 18 | 420318104014 | SWARNALAKSHMI B | |
| 19 | 420318104016 | VARADHARAJA PERUMAL L | |
| 20 | 420318104018 | YUVARAJ V | |

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**DEPARTMENT OF CSE**
**VALUE ADDED COURSE ON SEO**

**ATTENDENCE SHEET: [III,IV-YEAR]** **DATE: 19.08.2021 TO 25.09.2021**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 19.8.2021 | 21.8.2021 | 23.8.2021 | 24.8.2021 | 25.8.2021 | 26.8.2021 | 27.8.2021 | 28.8.2021 | 31.8.2021 | 1.9.2021 | 2.9.2021 | 3.9.2021 | 4.9.2021 | 6.9.2021 | 7.9.2021 |
| 1 | 420319104001 | CHANDRU M | | | | | | | | | | | | | | | |
| 2 | 420319104002 | GOPINATH K | | | | | | | | | | | | | | | |
| 3 | 420319104003 | REVATHY E | | | | | | | | | | | | | | | |
| 4 | 420319104501 | JAYASRI V | | | | | | | | | | | | | | | |
| 5 | 420319104701 | IYYAPPAN.B | | | | | | | | | | | | | | | |
| 6 | 420318104001 | ABITHA.A | | | | | | | | | | | | | | | |
| 7 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | |
| 8 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | |
| 9 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | |
| 10 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 11 | 420318104007 | GUNASEELAN G | |
| 12 | 420318104008 | KAVITHENDRAL K | |
| 13 | 420318104009 | KAVITHRA K | |
| 14 | 420318104010 | MANGALAMBIGAI A | |
| 15 | 420318104011 | SANTHI J | |
| 16 | 420318104012 | STEPHENRAJ R | |
| 17 | 420318104013 | SUJATHA A | |
| 18 | 420318104014 | SWARNALAKSHMI B | |
| 19 | 420318104016 | VARADHARAJA PERUMAL L | |
| 20 | 420318104018 | YUVARAJ V | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 8.9.2021 | 9.9.2021 | 11.9.2021 | 13.9.2021 | 14.9.2021 | 15.9.2021 | 16.9.2021 | 17.9.2021 | 18.9.2021 | 20.9.2021 | 21.9.2021 | 22.9.2021 | 23.9.2021 | 24.9.2021 | 25.9.2021 |
| 1 | 420319104001 | CHANDRU M | | | | | | | | | | | | | | | |
| 2 | 420319104002 | GOPINATH K | | | | | | | | | | | | | | | |
| 3 | 420319104003 | REVATHY E | | | | | | | | | | | | | | | |
| 4 | 420319104501 | JAYASRI V | | | | | | | | | | | | | | | |
| 5 | 420319104701 | IYYAPPAN.B | | | | | | | | | | | | | | | |
| 6 | 420318104001 | ABITHA.A | | | | | | | | | | | | | | | |
| 7 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | |
| 8 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | |
| 9 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | |
| 10 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | |
| 11 | 420318104007 | GUNASEELAN G | | | | | | | | | | | | | | | |
| 12 | 420318104008 | KAVITHENDRAL K | | | | | | | | | | | | | | | |
| 13 | 420318104009 | KAVITHRA K | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 14 | 420318104010 | MANGALAMBIGAI A | |
| 15 | 420318104011 | SANTHI J | |
| 16 | 420318104012 | STEPHENRAJ R | |
| 17 | 420318104013 | SUJATHA A | |
| 18 | 420318104014 | SWARNALAKSHMI B | |
| 19 | 420318104016 | VARADHARAJA PERUMAL L | |
| 20 | 420318104018 | YUVARAJ V | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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DEPARTMENTOF CSE VALUE
ADDED COURSE ON SEO

**STUDENTS NAME LIST:[III,IV-YEAR]** **DATE:19.08.2021 TO 25.09.2021**

| S.NO | REG NO | NAME | MARKS |
|---|---|---|---|
| 1 | 420319104001 | CHANDRU M | A+ |
| 2 | 420319104002 | GOPINATH K | B |
| 3 | 420319104003 | REVATHY E | B+ |
| 4 | 420319104501 | JAYASRI V | A |
| 5 | 420319104701 | IYYAPPAN.B | A+ |
| 6 | 420318104001 | ABITHA.A | A |
| 7 | 420318104002 | AMIRTHALAKSHMI V | B+ |
| 8 | 420318104003 | ANANDHI S | A+ |
| 9 | 420318104004 | BHUVANESHWARI G | B+ |
| 10 | 420318104005 | GIRIPRASATH K | O |
| 11 | 420318104007 | GUNASEELAN G | A+ |
| 12 | 420318104008 | KAVITHENDRAL K | B+ |
| 13 | 420318104009 | KAVITHRA K | B+ |
| 14 | 420318104010 | MANGALAMBIGAI A | O |
| 15 | 420318104011 | SANTHI J | B |

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| | | | |
|---|---|---|---|
| 16 | 420318104012 | STEPHENRAJ R | B |
| 17 | 420318104013 | SUJATHA A | A |
| 18 | 420318104014 | SWARNALAKSHMI B | O |
| 19 | 420318104016 | VARADHARAJA PERUMAL L | B |
| 20 | 420318104018 | YUVARAJ V | A+ |

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DEPARTMENTOF CSE VALUE ADDED COURSE ON SEO

**STUDENTS NAME LIST:[III,IV-YEAR]** **DATE:19.08.2021 TO 25.09.2021**

| S.NO | REG NO | NAME | MARKS |
|---|---|---|---|
| 1 | 420319104001 | CHANDRU M | A+ |
| 2 | 420319104002 | GOPINATH K | A |
| 3 | 420319104003 | REVATHY E | A+ |
| 4 | 420319104501 | JAYASRI V | A |
| 5 | 420319104701 | IYYAPPAN.B | A+ |
| 6 | 420318104001 | ABITHA.A | A+ |
| 7 | 420318104002 | AMIRTHALAKSHMI V | B+ |
| 8 | 420318104003 | ANANDHI S | A+ |
| 9 | 420318104004 | BHUVANESHWARI G | A |
| 10 | 420318104005 | GIRIPRASATH K | O |
| 11 | 420318104007 | GUNASEELAN G | A+ |
| 12 | 420318104008 | KAVITHENDRAL K | B |
| 13 | 420318104009 | KAVITHRA K | B+ |
| 14 | 420318104010 | MANGALAMBIGAI A | O |
| 15 | 420318104011 | SANTHI J | B+ |

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| | | | |
|---|---|---|---|
| 16 | 420318104012 | STEPHENRAJ R | A+ |
| 17 | 420318104013 | SUJATHA A | B |
| 18 | 420318104014 | SWARNALAKSHMI B | A |
| 19 | 420318104016 | VARADHARAJA PERUMAL L | O |
| 20 | 420318104018 | YUVARAJ V | A+ |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | Computer science |
| **Type of Event:** | Value added course |
| **Event Title:** | SEO |
| **Date & Time:** | 19.08.2021 TO 25.09.2021( 5pm to 6 pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–Computer science & Engineering |
| **Coordinator:** | Mrs.M.Priya AP/CSE |
| **Resource Person** | Dr.K.DHANALAKSHMI/HOD CSE CKT college of Engineering |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with participants on 19.08.2021 TO 25.09.2021 at 05.00pm with welcome Address and introduction by the co-ordinator **Mrs.M.Priya,AP/CSE,AREC.**<br>• Resource person Dr.K.DHANALAKSHMI/HOD CSE CKT college of Engineering has cover the basic of the **SEO** and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with **SEO** Students really enjoyed the session and learnt a lot. Now **20 students** will be able to apply the concept and its application.<br>• **Ms.V.Ananthi, AP/CSE,AREC,**proposed the vote of thanks to the participants and organizers. |

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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. ANITHA T has participated in the 30 days Value added course on SEO organized by the Department of CSE , A.R. Engineering College, held 19.08.2021 TO 25.09.2021

HOD
Department of CSE

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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## DEPARTMENT OF MECHANICALENGINEERING
## PERMISSION LETTER

Date:03.08.2021

From

The Hod
Departmentof MECH
AR Engineering college
Kappiyampuliyur

TO

The principle
AR Engineering college
Kappiyampuliyur

**SUB**:Seeking permission to conduct value added course on **SIMULATION AND ANALYSIS USING ANSYS** to our students.

**Respected Sir,**

As part of academic excellence, it is planned to conduct value added course to our students in the field of machine parts design.The duration of the program is planned as 31 hours and it is scheduled between 19.08.2021 TO 27.09.2021 your kind permission is sought for the conduct of the programme.

Thanking you

YOUR'S SINCERELY

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

# A.R.ENGINEERING COLLEGE

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## DEPARTMENT OF MECHANICAL ENGINEERING

## CIRCULAR

Date : 07.08.2021

**SUB:** Value added course on simulation and analysis using Ansys.

It is planned to conduct the value added course for the third and final year Mechanical Engineering students.The value added course is a certificate course which our mechanical department for the benefit of the students.The course will be conducted at free of cost and willingness of students.Students who are willing to attend the below mentioned course can enroll their name to the course co-ordinator.

**COURSE DETAILS :**

| | |
|---|---|
| Course title | Value added course on simulation and analysis using Ansys |
| Course code | VACMECH102 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Venue | ONLNE |
| Schedule | 19.08.2021 TO 27.09.2021 |
| Timing | 5 pm to 6 pm |
| Course Co-Ordinator | Mr.M.MAGESH |
| Resource person | Dr.R.ANBAZHAGAN |
| Certificate | Yes |

**PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF MECHANICALENGINEERING

DATE: 19.08.2021 TO 27.09.2021 TOTAL Hours: 31

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction of FEM and basics & basics of ANSYS | 19.08.2021 /21.08.2021 /23.08.2021 /24.08.2021 /25.08.2021/26.08.2021 | 6 hrs |
| 2 | Modelling in ANSYS | | |
| 3 | Meshing inANSYS | | |
| 4 | Non-Linear structural analysis | | |
| 5 | Analyzing the force and stress in mechanical components. | | |
| 6 | Analyzing deflection in mechanical components. | 27.08.2021 /28.08.2021 /31.08.2021 /1.09.2021/2.09.2021 | 5 hrs |
| 7 | Analyzing thermal stress of mechanical components. | | |
| 8 | Analyzing heat transfer in mechanical components.. | | |
| 9 | Analyzing the vibration of mechanical components. | | |
| 10 | Analyzing the force and stress in mechanical components. | | |
| 11 | Study of Basics in ANSYS | 3.09.2021/4.09.2021 6.09.2021/7.09.2021 | 4 hrs |
| 12 | Stress analysis of a plate with a circular hole | | |
| 13 | Stress analysis of rectangular L bracket | | |
| 14 | Stress analysis of cantilever beam | | |
| 15 | Stress analysis of simply supported beam | | |
| 16 | Stress analysis of fixed beam | 8.09.2021/9.09.2021 /11.09.2021/13.09.2021 /14.09.2021 15.09.2021/16.09.2021 /17.09.2021/18.09.2021 /20.09.2021 | 10 hrs |
| 17 | Stress analysis of an axi-symmetric component | | |
| 18 | Thermal stress analysis of a 2D component | | |
| 19 | Conductive heat transfer analysis of a 2D component | | |
| 20 | Convective heat transfer analysis of a 2D component | | |
| 21 | Mode frequency analysis of cantilever beam | | |
| 22 | Mode frequency analysis of simply supported beam | 21.09.2021/22.09.2021/ 23.09.2021/24.09.2021/ 25.09.2021/27.09.2021 | 6 hrs |
| 23 | Harmonic analysis of a 2D component | | |
| 24 | Stress analysis of a truss | | |
| 25 | Introduction to MAT LAB | | |
| 26 | Simulation of Spring-mass system using MAT LAB | | |
| 27 | Simulation of cam and follower mechanism using MATLAB | | |
| | | TOTAL | 31 hrs |

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## DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON SIMULATION AND ANALYSIS USING ANSYS

**STUDENT NAME LIST:[III,IV-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420318114001 | AJITH M | |
| 2 | 420318114002 | AJITHKUMAR M | |
| 3 | 420318114003 | ARULKUMAR S | |
| 4 | 420318114006 | DINESHKUMAR M | |
| 5 | 420318114007 | DINESHKUMAR V | |
| 6 | 420318114009 | EZHILMULLAIARASU M | |
| 7 | 420318114010 | GURUMOORTHI S | |
| 8 | 420318114011 | JAYAMOORTHY J | |
| 9 | 420318114015 | NIJANTHAN J | |
| 10 | 420318114017 | RAGURAMAN R | |
| 11 | 420318114018 | RAJ A | |
| 12 | 420318114019 | RAKESH R | |
| 13 | 420318114020 | RAMPRASATH D | |
| 14 | 420318114021 | RANGARAJAN R | |

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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A.R.ENGINEERINGCOLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | |
|---|---|---|---|
| 15 | 420318114023 | TAMILSELVAM S | |
| 16 | 420318114024 | UDHAYAKUMAR M | |
| 17 | 420318114027 | VIGNESHWARAN M | |
| 18 | 420318114028 | YUVARAJ P | |
| 19 | 420318114029 | YUVARAJ T | |

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON SIMULATION AND ANALYSIS USING ANSYS

**ATTENDENCE SHEET:[III,IV-Year]**

**DATE: 19.08.2021 TO 27.09.2021**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 19.8.2021 | 21.8.2021 | 23.8.2021 | 24.8.2021 | 25.8.2021 | 26.8.2021 | 27.8.2021 | 28.8.2021 | 31.8.2021 | 1.9.2021 | 2.9.2021 | 3.9.2021 | 4.9.2021 | 6.9.2021 | 7.9.2021 |
| 1 | 420318114001 | AJITH M | | | | | | | | | | | | | | | |
| 2 | 420318114002 | AJITHKUMAR M | | | | | | | | | | | | | | | |
| 3 | 420318114003 | ARULKUMAR S | | | | | | | | | | | | | | | |
| 4 | 420318114006 | DINESHKUMAR M | | | | | | | | | | | | | | | |
| 5 | 420318114007 | DINESHKUMAR V | | | | | | | | | | | | | | | |
| 6 | 420318114009 | EZHILMULLAIARASU M | | | | | | | | | | | | | | | |
| 7 | 420318114010 | GURUMOORTHI S | | | | | | | | | | | | | | | |
| 8 | 420318114011 | JAYAMOORTHY J | | | | | | | | | | | | | | | |
| 9 | 420318114015 | NIJANTHAN J | | | | | | | | | | | | | | | |
| 10 | 420318114017 | RAGURAMAN R | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 11 | 420318114018 | RAJ A | |
| 12 | 420318114019 | RAKESH R | |
| 13 | 420318114020 | RAMPRASATH D | |
| 14 | 420318114021 | RANGARAJAN R | |
| 15 | 420318114023 | TAMILSELVAM S | |
| 16 | 420318114024 | UDHAYAKUMAR M | |
| 17 | 420318114027 | VIGNESHWARAN M | |
| 18 | 420318114028 | YUVARAJ P | |
| 19 | 420318114029 | YUVARAJ T | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 8.9.2021 | 9.9.2021 | 11.9.2021 | 13.9.2021 | 14.9.2021 | 15.9.2021 | 16.9.2021 | 17.9.2021 | 18.9.2021 | 20.9.2021 | 21.9.2021 | 22.9.2021 | 23.9.2021 | 24.9.2021 | 25.9.2021 | 27.9.2021 |
| 1 | 420318114001 | AJITH M | | | | | | | | | | | | | | | | |
| 2 | 420318114002 | AJITHKUMAR M | | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 3 | 420318114003 | ARULKUMAR S | |
| 4 | 420318114006 | DINESHKUMAR M | |
| 5 | 420318114007 | DINESHKUMAR V | |
| 6 | 420318114009 | EZHILMULLAIA RASU M | |
| 7 | 420318114010 | GURUMOORTHI S | |
| 8 | 420318114011 | JAYAMOORTHY J | |
| 9 | 420318114015 | NIJANTHAN J | |
| 10 | 420318114017 | RAGURAMAN R | |
| 11 | 420318114018 | RAJ A | |
| 12 | 420318114019 | RAKESH R | |
| 13 | 420318114020 | RAMPRASATH D | |
| 14 | 420318114021 | RANGARAJAN R | |
| 15 | 420318114023 | TAMILSELVAM S | |
| 16 | 420318114024 | UDHAYAKUMAR M | |
| 17 | 420318114027 | VIGNESHWARAN M | |
| 18 | 420318114028 | YUVARAJ P | |

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VILLUPURAM 605 601.

| | | | |
|---|---|---|---|
| 19 | 420318114029 | YUVARAJ T | |

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DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON SIMULATION AND ANALYSIS USING ANSYS

**STUDENT ASSESMENT MARK LIST:[III,IV-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420318114001 | AJITH M | 86 |
| 2 | 420318114002 | AJITHKUMAR M | 75 |
| 3 | 420318114003 | ARULKUMAR S | 88 |
| 4 | 420318114006 | DINESHKUMAR M | 64 |
| 5 | 420318114007 | DINESHKUMAR V | 72 |
| 6 | 420318114009 | EZHILMULLAIARASU M | 83 |
| 7 | 420318114010 | GURUMOORTHI S | 70 |
| 8 | 420318114011 | JAYAMOORTHY J | 76 |
| 9 | 420318114015 | NIJANTHAN J | 68 |
| 10 | 420318114017 | RAGURAMAN R | 80 |
| 11 | 420318114018 | RAJ A | 60 |
| 12 | 420318114019 | RAKESH R | 86 |
| 13 | 420318114020 | RAMPRASATH D | 73 |
| 14 | 420318114021 | RANGARAJAN R | 83 |
| 15 | 420318114023 | TAMILSELVAM S | 85 |
| 16 | 420318114024 | UDHAYAKUMAR M | 74 |

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KAPPIYAMPULIYUR
VILLUPURAM-605 601

| | | | |
|---|---|---|---|
| 17 | 420318114027 | VIGNESHWARAN M | 65 |
| 18 | 420318114028 | YUVARAJ P | 87 |
| 19 | 420318114029 | YUVARAJ T | 69 |

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Dr.R.FA... PRINCIPAL A.R.ENGINEERING COLLEGE VADAKUCHIPALAYAM, KAPPIYAMPULIYUR POST, VILLUPURAM-605 601.

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DEPARTMENT OF MECHANICAL ENGINEERING

**VALUE ADDED COURSE ON SIMULATION AND ANALYSIS USING ANSYS**

**STUDENT ASSESMENT MARK LIST:[III,IV-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420318114001 | AJITH M | 88 |
| 2 | 420318114002 | AJITHKUMAR M | 77 |
| 3 | 420318114003 | ARULKUMAR S | 75 |
| 4 | 420318114006 | DINESHKUMAR M | 58 |
| 5 | 420318114007 | DINESHKUMAR V | 72 |
| 6 | 420318114009 | EZHILMULLAIARASU M | 60 |
| 7 | 420318114010 | GURUMOORTHI S | 57 |
| 8 | 420318114011 | JAYAMOORTHY J | 58 |
| 9 | 420318114015 | NIJANTHAN J | 65 |
| 10 | 420318114017 | RAGURAMAN R | 85 |
| 11 | 420318114018 | RAJ A | 95 |
| 12 | 420318114019 | RAKESH R | 50 |
| 13 | 420318114020 | RAMPRASATH D | 68 |
| 14 | 420318114021 | RANGARAJAN R | 95 |
| 15 | 420318114023 | TAMILSELVAM S | 85 |
| 16 | 420318114024 | UDHAYAKUMAR M | 50 |

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| | | | |
|---|---|---|---|
| 17 | 420318114027 | VIGNESHWARAN M | 75 |
| 18 | 420318114028 | YUVARAJ P | 69 |
| 19 | 420318114029 | YUVARAJ T | 60 |

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE ON SIMULATION AND ANALYSIS USING ANSYS"

**Department of MECH**

19.08.2021 TO 27.09.2021

Time:5 pm to 6 pm

**Co-ordinator:**

Mr.M.MAGESH

AP/Department of MECH

**Resource Person:**

Dr.R.ANBAZHAGAN
HOD/Department of MECH

**Organized by**
DEPARTMENT OF MECH
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION**
**No registration fee.**
There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Objectives of the course** :

- This is an introductory course on finite element analysis(FEA) using ansys and is specially meant for engineering students and practising professional
- ANSYS is a popular and well recognized general purpose finite element modeling package for numerical solving a large range of problems including dynamic,structural analysis static, and electromagnetic problems

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE ON SIMULATION AND ANALYSIS USING ANSYS

19.08.2021 TO 27.09.2021
Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:

Date :

Place :

**Registration link**

https://arec.addon.course. signin

For more information contact

Course coordinator:9159166467

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | DEPARTMENT OF MECHANICAL ENGINEERING |
| **Type of Event:** | Value added course |
| **Event Title:** | Simulation and analysis using Ansys |
| **Date & Time:** | 19.08.2021 TO 27.09.2021(5 PM TO 6 PM) |
| **Venue :** | Online |
| **Organizer:** | AREC– DEPARTMENT OF MECH |
| **Coordinator:** | Mr.M.MAGESH |
| **Resource person** | Dr.R.ANBAZHAGAN |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with participants on 19.08.2021 TO 27.09.2021 at 5 pm with welcomeAddress and introduction by the co-ordinator**Mr.M.MAGESH,AP/MECH ,AREC.**<br>• Resource person **Dr.R.ANBAZHAGAN HOD of MECH** has cover the basic of Simulation and analysis using Ansys and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with Simulation and analysis using Ansys.Students really enjoyed the session and learnt a lot. Now **19students** will be able to apply the concept and its application.<br>• **Mr.S.Rammoorthy, AP/MECH,AREC,**proposed the vote of thanks to the participants<br>and organizers. |

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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **NAVEEN KRISHNA.K.G** has participated in the 31 days Value added course on Simulation and analysis using Ansysorganized by the Department of MECH , A.R. Engineering College, held 19.08.2021 TO 27.09.2021

HOD
Department of civil

PRINCIPAL

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## DEPARTMENT OF CSE

## PERMISSION LETTER

Date:03.08.2021

From

The Hod
Department of CSE
AR Engineering college
Kappiyampuliyur

TO

The principle
AR Engineering college
Kappiyampuliyur

**SUB**: Seeking permission to conduct Value added course

**Respected Sir,**

We are planning to conduct"Value added course on DEVOPS"on 19.08.2021 to 27.09.2021. We request you to grant permission for the same.

Thanking you

Your`s sincerely

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
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## DEPARTMENT OF CSE
## CIRCULAR

Date:07.08.2021

The II-YEAR students of the department of CSE, AREC who are interested are here by informed to enroll their names of the value added course titled " VALUE ADDED COURSE ON DEVOPS".

**COURSE DETAILS:**

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON DEVOPS |
| Course code | VACSE103 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 19.08.2021 TO 27.09.2021 |
| Timing | 5 PM TO 6 PM |
| Course Co-Ordinator | Mrs.K.Kavitha |
| Resource person | Mrs.P.Suganya |
| Certificate | Yes |

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**PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM
KAPPIYAMPULIYUR PO:
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**A.R ENGINEERING COLLEGE**
"VALUE ADDED COURSE
on
DEVOPS"
Department of Cse
19.08.2021 TO 27.09.2021
Time:05.00 pm to 6.00 Pm

**Co-ordinator:**
Mrs.K.Kavitha
AP/Department of Cse

**Resource Person:**
Mrs.P.Suganya
HOD/Department of Cse

**Organized by**
DEPARTMENT OF CSE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION**

**No registration fee.**

There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- It is designed to provide expertise in Git tools and help you comprehend the difference between Git and Github
- To develop a sustainable infrastructure for specific applications and ensure high scalability.

**A.R ENGINEERING COLLEGE**
VALUE ADDED COURSE
ON DEVOPS
19.08.2021 TO 27.09.2021
Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.course/signup

For more information contact
Course coordinator:9159166467

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## DEPARTMENT OF CSE
## VALUE ADDED PROGRAMME ON DEVOPS

DATE: 19.08.2021 TO 27.09.2021 Total Hours: 31

COURSE SYLLABUS:

| | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introducing dot net-the blg picture | 19.08.2021 /21.08.2021 /23.08.2021 /24.08.2021 /25.08.2021 | 5 hrs |
| | Characterize the NET Paradigm | | |
| | Describe Web Services | | |
| | Building dot net-the frame work components | | |
| | Describe the NET Frame work | | |
| | Describe the Common Language | | |
| | RUN TIME(CLR) | | |
| 2 | Compare the NET Class Frame work to all languages Specific Class Library | 26.08.2021 /27.08.2021 /28.08.2021 /31.08.2021 /1.09.2021/2.09.2021 | 6 hrs |
| | Decide When to Use NET Windows. | | |
| | Describe the Uses of Web Forms and Web Services | | |
| | DevOps Principles in detail | | |
| | DevOps Engineer Skills in the market | | |
| 3 | Knowing DevOps Delivery Pipeline | 3.09.2021/4.09.2021 6.09.2021/7.09.2021 | 4 hrs |
| | Market trend of DevOps | | |
| | DevOps Technical Challenges | | |
| | Tools we use in DevOps | 8.09.2021/9.09.2021 /11.09.2021/13.09.2021 /14.09.2021 | 5 hrs |
| | Knowing about Version control | | |
| | Git – A CLI | | |
| | Essentials of GIT in industry | | |
| 4 | How to setup GIT | 15.09.2021/16.09.2021 /17.09.2021/18.09.2021 /20.09.2021 | 5 hrs |
| | Installing Git | | |
| | First-Time Git Setup | | |
| | Getting a Git Repository | | |
| | Working with various commands in GIT | 21.09.2021/22.09.2021 /23.09.2021/24.09.2021 | 4 hrs |
| | Recording Changes to the Repository | | |
| 5 | How to check the Status of Your Files | 25.09.2021/27.09.2021 | 2 hr |
| | | TOTAL | 31 hrs |

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## DEPARTMENT OF CSE
## VALUE ADDED PROGRAMME ON DEVOPS

**STUDENTS NAME LIST : [II-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| .NO | REG NO | STUDENTS NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420320104001 | ANITHA T | |
| 2 | 420320104003 | BHUVANESHWARI A | |
| 3 | 420320104004 | DEEPIKA S | |
| 4 | 420320104005 | DESIYA E | |
| 5 | 420320104006 | DEVI R | |
| 6 | 420320104007 | JANANI R | |
| 7 | 420320104010 | MAYILI A | |
| 8 | 420320104011 | NARMADHA S | |
| 9 | 420320104012 | NAVEEN R | |
| 10 | 420320104013 | PRAKASH M | |
| 11 | 420320104014 | SELVI R | |
| 12 | 420320104015 | SONIYA D | |
| 13 | 420320104016 | STEEPHEN JERO P | |
| 14 | 420320104017 | SUGUMAR S | |
| 15 | 420320104018 | SURENDAR G | |

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Dr.R.PANNEERDHASS,M.E.,P.
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| | | | |
|---|---|---|---|
| 16 | 420320104301 | PONNI C | |
| 17 | 420320104302 | SYED NAMEER N | |
| 18 | 420320104303 | VENKATESH T | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

346

Dr.R.PANNEERDHASS,M.E.,Ph.D.
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

**DEPARTMENT OF CSE**
**VALUE ADDED PROGRAMME ON DEVOPS**

**ATTENDENCE SHEET: [II-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 19.8.2021 | 21.8.2021 | 23.8.2021 | 24.8.2021 | 25.8.2021 | 26.8.2021 | 27.8.2021 | 28.8.2021 | 31.8.2021 | 1.9.2021 | 2.9.2021 | 3.9.2021 | 4.9.2021 | 6.9.2021 | 7.9.2021 |
| 1 | 420320104001 | ANITHA T | | | | | | | | | | | | | | | |
| 2 | 420320104003 | BHUVANESHWARI A | | | | | | | | | | | | | | | |
| 3 | 420320104004 | DEEPIKA S | | | | | | | | | | | | | | | |
| 4 | 420320104005 | DESIYA E | | | | | | | | | | | | | | | |
| 5 | 420320104006 | DEVI R | | | | | | | | | | | | | | | |
| 6 | 420320104007 | JANANI R | | | | | | | | | | | | | | | |
| 7 | 420320104010 | MAYILI A | | | | | | | | | | | | | | | |
| 8 | 420320104011 | NARMADHA S | | | | | | | | | | | | | | | |
| 9 | 420320104012 | NAVEEN R | | | | | | | | | | | | | | | |



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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 420320104013 | PRAKASH M | | | | | | | | | | | | | | | |
| 11 | 420320104014 | SELVI R | | | | | | | | | | | | | | | |
| 12 | 420320104015 | SONIYA D | | | | | | | | | | | | | | | |
| 13 | 420320104016 | STEEPHEN JERO P | | | | | | | | | | | | | | | |
| 14 | 420320104017 | SUGUMAR S | | | | | | | | | | | | | | | |
| 15 | 420320104018 | SURENDAR G | | | | | | | | | | | | | | | |
| 16 | 420320104301 | PONNI C | | | | | | | | | | | | | | | |
| 17 | 420320104302 | SYED NAMEER N | | | | | | | | | | | | | | | |
| 18 | 420320104303 | VENKATESH T | | | | | | | | | | | | | | | |

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| | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 8.9.2021 | 9.9.2021 | 11.9.2021 | 13.9.2021 | 14.9.2021 | 15.9.2021 | 16.9.2021 | 17.9.2021 | 18.9.2021 | 20.9.2021 | 21.9.2021 | 22.9.2021 | 23.9.2021 | 24.9.2021 | 25.9.2021 | 27.9.2021 |
| 1 | 420320104001 | ANITHA T | | | | | | | | | | | | | | | | |
| 2 | 420320104003 | BHUVANESHWARI A | | | | | | | | | | | | | | | | |
| 3 | 420320104004 | DEEPIKA S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S | D.S |
| 4 | 420320104005 | DESIYA E | | | | | | | | | | | | | | | | |
| 5 | 420320104006 | DEVI R | | | | | | | | | | | | | | | | |
| 6 | 420320104007 | JANANI R | | | | | | | | | | | | | | | | |
| 7 | 420320104010 | MAYILI A | | | | | | | | | | | | | | | | |
| 8 | 420320104011 | NARMADHA S | | | | | | | | | | | | | | | | |
| 9 | 420320104012 | NAVEEN R | | | | | | | | | | | | | | | | |
| 10 | 420320104013 | PRAKASH M | | | | | | | | | | | | | | | | |
| 11 | 420320104014 | SELVI R | | | | | | | | | | | | | | | | |
| | 420320104015 | SONIYA D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D | S.D |



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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 420320104016 | STEEPHEN JERO P | | | | | | | | | | | | | | | | |
| 14 | 420320104017 | SUGUMAR S | | | | | | | | | | | | | | | | |
| 15 | 420320104018 | SURENDAR G | | | | | | | | | | | | | | | | |
| 16 | 420320104301 | PONNI C | | | | | | | | | | | | | | | | |
| 17 | 420320104302 | SYED NAMEER N | | | | | | | | | | | | | | | | |
| 18 | 420320104303 | VENKATESH T | | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

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DEPARTMENT OF CSE

## VALUE ADDED PROGRAMME ON DEVOPS

**STUDENTS ASSESMENT MARK LIST : [II-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| SL .NO | REG NO | STUDENTS NAME | MARKS |
|---|---|---|---|
| 1 | 420320104001 | ANITHA T | A+ |
| 2 | 420320104003 | BHUVANESHWARI A | A |
| 3 | 420320104004 | DEEPIKA S | A+ |
| 4 | 420320104005 | DESIYA E | B |
| 5 | 420320104006 | DEVI R | B+ |
| 6 | 420320104007 | JANANI R | B+ |
| 7 | 420320104010 | MAYILI A | B |
| 8 | 420320104011 | NARMADHA S | O |
| 9 | 420320104012 | NAVEEN R | A+ |
| 10 | 420320104013 | PRAKASH M | B+ |
| 11 | 420320104014 | SELVI R | O |
| 12 | 420320104015 | SONIYA D | B+ |
| 13 | 420320104016 | STEEPHEN JERO P | A |
| 14 | 420320104017 | SUGUMAR S | B+ |

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| | | | |
|---|---|---|---|
| 15 | 420320104018 | SURENDAR G | A |
| 16 | 420320104301 | PONNI C | B+ |
| 17 | 420320104302 | SYED NAMEER N | B |
| 18 | 420320104303 | VENKATESH T | B+ |

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Dr.R.PAN[illegible]
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DEPARTMENT OF CSE

## VALUE ADDED PROGRAMME ON DEVOPS

**STUDENTS ASSESMENT MARK LIST : [II-Year]** **DATE: 19.08.2021 TO 27.09.2021**

| SL .NO | REG NO | STUDENTS NAME | MARKS |
|---|---|---|---|
| 1 | 420320104001 | ANITHA T | A+ |
| 2 | 420320104003 | BHUVANESHWARI A | A |
| 3 | 420320104004 | DEEPIKA S | A+ |
| 4 | 420320104005 | DESIYA E | B |
| 5 | 420320104006 | DEVI R | B+ |
| 6 | 420320104007 | JANANI R | B+ |
| 7 | 420320104010 | MAYILI A | B |
| 8 | 420320104011 | NARMADHA S | B+ |
| 9 | 420320104012 | NAVEEN R | A+ |
| 10 | 420320104013 | PRAKASH M | B+ |
| 11 | 420320104014 | SELVI R | O |
| 12 | 420320104015 | SONIYA D | A+ |
| 13 | 420320104016 | STEEPHEN JERO P | B+ |
| 14 | 420320104017 | SUGUMAR S | B+ |

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| | | | |
|---|---|---|---|
| 15 | 420320104018 | SURENDAR G | B+ |
| 16 | 420320104301 | PONNI C | B+ |
| 17 | 420320104302 | SYED NAMEER N | B+ |
| 18 | 420320104303 | VENKATESH T | A+ |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PA

A.R.ENGI
VADAKUCHIPALAYAM
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A.R.ENGINEERINCOLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | Computer science |
| **Type of Event:** | Value added course |
| **Event Title:** | DEVOPS |
| **Date & Time:** | 19.08.2021 TO 27.09.2021(5 pm to 6 pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–Computer science & Engineering |
| **Coordinator:** | Mrs.K.Kavitha |
| **Resource person** | Mrs.P.Suganya |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with participants on 19.08.2021 TO 27.09.2021 at 5 pm with welcomeAddress and introduction by the co-ordinator**Mrs.K.Kavitha,AP/CSE,AREC.**<br>• Resource person **Mrs.P.Suganya** HOD of CSE has cover the basic of the **DEVOPS** and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with **DEVOPS** Students really enjoyed the session and learnt a lot. Now **18students** will be able to applythe concept and its application.<br>• **Ms.S.Devika, AP/CSE,AREC,**proposed the vote of thanks to the participants and organizers. |

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A.R. ENGINEERING COLLEGE
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**Vadakuchipalayam, Kappiyampuliyur PO,Villupuram 605 601.**

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **ANITHA T** has participated in the 31 days Value added course on **DEVOPS** organized by the Department of CSE , A.R. Engineering College, held 19.08.2021 TO 27.09.2021

HOD
Department of CSE

PRINCIPAL

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENTOFELECTRONICAND COMMUNICATIONENINGINEERING

## PERMISSION LETTER

**Date:4.4.2022**

From

The Hod
Department of CSE
AR Engineering college
Kappiyampuliyur

TO

The principle
AR Engineering college
Kappiyampuliyur

**SUB**:Permission to conduct add-on Course.

**Respected Sir,**

As per the instruction from IQAC regarding addon course we have planned to conduct the add-on course for the I- year ECE students from 13.04.2022 TO 28.05.2022.

So kindly permit us to conduct the above course in online.

Thanking you

Your's sincerly

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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**DEPARTMENT OF ELECTRONIC AND COMMUNICATIONENINGINEERING**

## CIRCULAR

Date:6.4.2022

**SUB:Value added course on Raspberry-Pi**

It is planned to conduct the add-on course forthe I-Year Electronics and Communication Engineering students.The add-on courses are the certification course which are designed and offered by our department for the benefit of the students. Add-on course will be conducted at free of cost and willingness of students.Students who are willing to attend the below the mentioned course can enroll their names to the course conductor.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on Raspberry-Pi |
| Course code | VAC104 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Venue | ONLNE |
| Schedule | 13.04.2022 TO 28.05.2022 |
| Timing | 5 pm to 6 pm |
| Course Co-Ordinator | P.SARAVANAN/AP CSE |
| Resource person | Ms.V.KOKILA |
| Certificate | Yes |

V. Kokila.

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3.4.5

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## A.R ENGINEERING COLLEGE

VALUE ADDED COURSE
ON
VALUE ADDED COURSE
ON RASPBERRY PI

Department of ECE

13.04.2022 TO 28.05.2022

Time:5 pm to 6 pm

**Co-ordinator:**

Mr.P.Saravanan

AP/Department of ECE

**Resource Person:**

Ms.V.Kokila

HOD/Department of ECE

**Organized by**
DEPARTMENT OF ECE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION**
**No registration fee.**
There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Objectives of the course** :

- This course eludicates concepts related to internet of things.The students will get hands-on experience in working with raspberry pi and exploring IOT.

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE
ON VALUE ADDED
COURSE ON
RASPBERRY PI

13.04.2022 TO 28.05.2022

Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:

Date :
Place :

**Registration link**

For more information contact
Course coordinator:9159166467

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## DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENINGINEERING

### Value added course on Raspberry-Pi Course

DATE: 13.04.2022 TO 28.04.2022 Total Hours: 30

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | RaspberryPi-Introduction-Basics,applications,installation. | 13.4.2022/18.4.2022 /19.4.2022/20.4.2022/ 21.4.2022 | 5 hrs |
| 2 | Preparing SD Card for Raspberry-Pi | | |
| 3 | Different OS versions | | |
| 4 | Firstboot,configuration,time setting,key board layout,disk expand,etc | | |
| 5 | Pre-installed apps | | |
| 6 | Raspberry-pi,configuration | | |
| 7 | Connecting with Wi-Fi/LAN | | |
| 8 | Basics of the Linux OS used on the Pi | 22.4.2022/23.4.2022 /25.4.2022/26.4.2022 | 4 hrs |
| 9 | Basic shell command | | |
| 10 | EditorVi,Nano,etc | | |
| 11 | Accessing the manpages | | |
| 12 | Piping shell commands | | |
| 13 | Perfoming APT Package updates | 27.4.2022/28.4.2022/ 29.4.2022/30.4.2022 /10.5.2022 | 5 hrs |
| 14 | Shell Programming for blinking LED | | |
| 15 | Introduction to wiring pi library(C-Programming) | | |
| 16 | Using wiring Pi-Library for GPIO Access | | |
| 17 | Introduction to C-Programming on Pi | | |
| 18 | Compiling C-Programs | | |
| 19 | Wiring pilibrary-Installation | 11.5.2022/12.5.2022/ 13.5.2022/ 14.5.2022/16.5.2022 | 5hrs |
| 20 | Understanding Python, Interpreted Languages | | |
| 21 | Variables, keywords, Operators and Operands | | |
| 22 | Data types in Python | | |
| 23 | Flow control.conditionStatement | | |
| 24 | Loops,ImportingLibraries | 17.5.2022/18.5.2022 /19.5.2022/20.5.2022 /21.5.2022 | 5 hrs |
| 25 | Function,classes | | |
| 26 | Python and Hardware access | | |
| 27 | LED Blinking using python Raspberry-Pi library | 23.5.2022/24.5.2022 /25.5.2022/26.5.2022 /27.5.2022/28.5.2022 | 6 hrs |
| 28 | Temperature sensing using1-wire tempsensor | | |
| 29 | Motion detection using Raspberrypi | | |
| 30 | Sending email alerts when Motion detected using PIR. Sensor | | |
| 31 | Configuring web server. | | |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENINGINEERING
## VALUE ADDED COURSE ON RASPBERRYPI

**STUDENTS NAME LIST:[I-YEAR]** **DATE:13.04.2022 TO 28.5.2022**

| SL .NO | REG NO | STUDENTS NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420321106001 | ANTHONY MERCY.G | Anthony Mercy.G |
| 2 | 420321106002 | ANUCIYA G | ANUCIYA G |
| 3 | 420321106003 | ARTHI K | arthi.K |
| 4 | 420321106004 | ARUNTHDEVI.M | ARUNTHDEVI.M |
| 5 | 420321106005 | BHUVANESWARAN S | Bhuvaneswaran S |
| 6 | 420321106006 | DEPPIKA.M | DEPPIKA.M |
| 7 | 420321106007 | DEIVAYANAI | deivayanai.V |
| 8 | 420321106008 | DEVAPRIYA.V | DEVAPRIYA.V |
| 9 | 420321106009 | DHIVYA B | Dhivya.B |
| 10 | 420321106010 | DIVYA M | DIVYA.M |
| 11 | 420321106011 | GOPINATH.S | gopinath.S |
| 12 | 420321106012 | ILAVARASI.G | Ilavarasi.G |
| 13 | 420321106013 | JAYA SATHYA.R | JAYA SATHYA.R |
| 14 | 420321106014 | KALAYARASI.E | Kalayarasi.E |
| 15 | 420321106015 | KARTHIKEYAN.G | Karthikeyan.G |
| 16 | 420321106016 | KAVIYA.V | Kaviya.V |

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| | | | |
|---|---|---|---|
| 17 | 420321106017 | KEERTHIKA.E | |
| 18 | 420321106018 | KIRUBAKARAN.R | |
| 19 | 420321106019 | MEERA.S | |
| 20 | 420321106020 | NITHIYA.S | |
| 21 | 420321106021 | RAJASRI .S | |
| 22 | 420321106022 | RAJENDRA PRASATH.R | |
| 23 | 420321106023 | SANTHIYA.P | |
| 24 | 420321106024 | SIVAJOTHI.R | |
| 25 | 420321106025 | SUJATHA.R | |
| 26 | 420321106026 | SWEATHA.S | |
| 27 | 420321106027 | TAMILVANI.R | |
| 28 | 420321106028 | VAITHESHWARY.S | |
| 29 | 420321106029 | VIJAYALAKSHMI.S | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENINGINEERING
## VALUE ADDED COURSE ON RASPBERRYPI

**ATTENDENCE SHEET:[I-YEAR]** **DATE: 13.04.2022 TO 28.5.2022**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.4.2022 | 18.4.2022 | 19.4.2022 | 20.4.2022 | 21.4.2022 | 22.4.2022 | 23.4.2022 | 25.4.2022 | 26.4.2022 | 27.4.2022 | 28.4.2022 | 29.4.2022 | 30.4.2022 | 10.5.2022 | 11.5.2022 |
| 1 | 420321106001 | ANTHONY MERCY.G | | | | | | | | | | | | | | | |
| 2 | 420321106002 | ANUCIYA G | | | | | | | | | | | | | | | |
| 3 | 420321106003 | ARTHI K | | | | | | | | | | | | | | | |
| 4 | 420321106004 | ARUNTHDEVI.M | | | | | | | | | | | | | | | |
| 5 | 420321106005 | BHUVANESWARAN S | | | | | | | | | | | | | | | |
| 6 | 420321106006 | DEPPIKA.M | | | | | | | | | | | | | | | |
| 7 | 420321106007 | DEIVAYANAI | | | | | | | | | | | | | | | |
| 8 | 420321106008 | DEVAPRIYA.V | | | | | | | | | | | | | | | |
| 9 | 420321106009 | DHIVYA B | | | | | | | | | | | | | | | |
| 10 | 420321106010 | DIVYA M | | | | | | | | | | | | | | | |
| 11 | 420321106011 | GOPINATH.S | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 420321106012 | ILAVARASI.G | | | | | | | | | | | | | | | |
| 13 | 420321106013 | JAYA SATHYA.R | | | | | | | | | | | | | | | |
| 14 | 420321106014 | KALAYARASI.E | | | | | | | | | | | | | | | |
| 15 | 420321106015 | KARTHIKEYAN.G | | | | | | | | | | | | | | | |
| 16 | 420321106016 | KAVIYA.V | | | | | | | | | | | | | | | |
| 17 | 420321106017 | KEERTHIKA.E | | | | | | | | | | | | | | | |
| 18 | 420321106018 | KIRUBAKARAN.R | | | | | | | | | | | | | | | |
| 19 | 420321106019 | MEERA.S | | | | | | | | | | | | | | | |
| 20 | 420321106020 | NITHIYA.S | | | | | | | | | | | | | | | |
| 21 | 420321106021 | RAJASRI .S | | | | | | | | | | | | | | | |
| 22 | 420321106022 | RAJENDRA PRASATH.R | | | | | | | | | | | | | | | |
| 23 | 420321106023 | SANTHIYA.P | | | | | | | | | | | | | | | |
| 24 | 420321106024 | SIVAJOTHI.R | | | | | | | | | | | | | | | |
| 25 | 420321106025 | SUJATHA.R | | | | | | | | | | | | | | | |
| 26 | 420321106026 | SWEATHA.S | | | | | | | | | | | | | | | |
| 27 | 420321106027 | TAMILVANI.R | | | | | | | | | | | | | | | |
| 28 | 420321106028 | VAITHESHWARY.S | | | | | | | | | | | | | | | |
| 29 | 420321106029 | VIJAYALAKSHMI.S | | | | | | | | | | | | | | | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 12.5.2022 | 13.5.2022 | 14.5.2022 | 16.5.2022 | 17.5.2022 | 18.5.2022 | 19.5.2022 | 20.5.2022 | 21.5.2022 | 23.5.2022 | 24.5.2022 | 25.5.2022 | 26.5.2022 | 27.5.2022 | 28.5.2022 |
| 1 | 420321106001 | ANTHONY MERCY.G | | | | | | | | | | | | | | | |
| 2 | 420321106002 | ANUCIYA G | | | | | | | | | | | | | | | |
| 3 | 420321106003 | ARTHI K | | | | | | | | | | | | | | | |
| 4 | 420321106004 | ARUNTHDEVI.M | | | | | | | | | | | | | | | |
| 5 | 420321106005 | BHUVANESWARAN S | | | | | | | | | | | | | | | |
| 6 | 420321106006 | DEPPIKA.M | | | | | | | | | | | | | | | |
| 7 | 420321106007 | DEIVAYANAI | | | | | | | | | | | | | | | |
| 8 | 420321106008 | DEVAPRIYA.V | | | | | | | | | | | | | | | |
| 9 | 420321106009 | DHIVYA B | | | | | | | | | | | | | | | |
| 10 | 420321106010 | DIVYA M | | | | | | | | | | | | | | | |
| 11 | 420321106011 | GOPINATH.S | | | | | | | | | | | | | | | |
| 12 | 420321106012 | ILAVARASI.G | | | | | | | | | | | | | | | |
| 13 | 420321106013 | JAYA SATHYA.R | | | | | | | | | | | | | | | |
| 14 | 420321106014 | KALAYARASI.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E | K.E |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 420321106015 | KARTHIKEYAN.G | | | | | | | | | | | | | | | |
| 16 | 420321106016 | KAVIYA.V | | | | | | | | | | | | | | | |
| 17 | 420321106017 | KEERTHIKA.E | | | | | | | | | | | | | | | |
| 18 | 420321106018 | KIRUBAKARAN.R | | | | | | | | | | | | | | | |
| 19 | 420321106019 | MEERA.S | | | | | | | | | | | | | | | |
| 20 | 420321106020 | NITHIYA.S | | | | | | | | | | | | | | | |
| 21 | 420321106021 | RAJASRI .S | | | | | | | | | | | | | | | |
| 22 | 420321106022 | RAJENDRA PRASATH.R | | | | | | | | | | | | | | | |
| 23 | 420321106023 | SANTHIYA.P | | | | | | | | | | | | | | | |
| 24 | 420321106024 | SIVAJOTHI.R | | | | | | | | | | | | | | | |
| 25 | 420321106025 | SUJATHA.R | | | | | | | | | | | | | | | |
| 26 | 420321106026 | SWEATHA.S | | | | | | | | | | | | | | | |
| 27 | 420321106027 | TAMILVANI.R | | | | | | | | | | | | | | | |
| 28 | 420321106028 | VAITHESHWARY.S | | | | | | | | | | | | | | | |
| 29 | 420321106029 | VIJAYALAKSHMI.S | | | | | | | | | | | | | | | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENINGINEERINGVALUE ADDED COURSE ON RASPBERRYPI

**STUDENTS ASSESMENT MARK LIST:[I-YEAR]** **DATE:13.04.2022 TO 28.5.2022**

| SL .NO | REG NO | STUDENTS NAME | MARKS |
|---|---|---|---|
| 1 | 420321106001 | ANTHONY MERCY.G | 87 |
| 2 | 420321106002 | ANUCIYA G | 67 |
| 3 | 420321106003 | ARTHI K | 86 |
| 4 | 420321106004 | ARUNTHDEVI.M | 84 |
| 5 | 420321106005 | BHUVANESWARAN S | 72 |
| 6 | 420321106006 | DEPPIKA.M | 66 |
| 7 | 420321106007 | DEIVAYANAI | 87 |
| 8 | 420321106008 | DEVAPRIYA.V | 87 |
| 9 | 420321106009 | DHIVYA B | 75 |
| 10 | 420321106010 | DIVYA M | 82 |
| 11 | 420321106011 | GOPINATH.S | 84 |
| 12 | 420321106012 | ILAVARASI.G | 85 |
| 13 | 420321106013 | JAYA SATHYA.R | 86 |
| 14 | 420321106014 | KALAYARASI.E | 76 |
| 15 | 420321106015 | KARTHIKEYAN.G | 75 |
| 16 | 420321106016 | KAVIYA.V | 84 |

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VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 17 | 420321106017 | KEERTHIKA.E | 76 |
| 18 | 420321106018 | KIRUBAKARAN.R | 78 |
| 19 | 420321106019 | MEERA.S | 85 |
| 20 | 420321106020 | NITHIYA.S | 75 |
| 21 | 420321106021 | RAJASRI .S | 84 |
| 22 | 420321106022 | RAJENDRA PRASATH.R | 90 |
| 23 | 420321106023 | SANTHIYA.P | 84 |
| 24 | 420321106024 | SIVAJOTHI.R | 83 |
| 25 | 420321106025 | SUJATHA.R | 74 |
| 26 | 420321106026 | SWEATHA.S | 78 |
| 27 | 420321106027 | TAMILVANI.R | 76 |
| 28 | 420321106028 | VAITHESHWARY.S | 56 |
| 29 | 420321106029 | VIJAYALAKSHMI.S | 68 |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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VILLUPURAM-605 601.

# A.R.ENGINEERINCOLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENINGINEERING |
| **Type of Event:** | Value added course |
| **Event Title:** | Value added course on RaspberryPi |
| **Date & Time:** | 13.04.2022 TO 28.05.2022( 5 pm to 6 pm) |
| **Venue :** | Online |
| **Organizer:** | AREC– DEPARTMENT OF ECE |
| **Coordinator:** | Mr.P.Saravanan |
| **Resource Person** | Ms.V.Kokila |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with participants on 13.04.2022 TO 28.05.2022 at 5 pm with welcome Address and introduction by the co-ordinator **Mr.P.Saravanan,AP/ECE,AREC.**<br>• Resource person **Ms.V.Kokila** HOD of **ECE** has cover the basic of Rasberry-piand they demonstrated each and every concept.<br>• The students will get hands-on experience in working with Rasberry-pi Students really enjoyed the session and learnt a lot. Now **29 students** will be able to apply the concept and its application.<br>• **Mr.P.Ramesh, AP/ECE,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM DIST.

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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A.R. ENGINEERING COLLEGE
(Approved by AICTE New Delhi Affiliated to AnnaUniversity,Chenna
Vadalaichipalayam, Kappiyampuliyur PO,Villupuram 605 601.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **ANTHONY MERCY.G** has participated in the 30 days **Value added course on Raspberry-Pi** organized by the Department of ECE , A.R. Engineering College, held 13.04.2022 TO 28.05.2022

HOD
Department of ECE

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS, M.E., Ph.D.,
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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## PERMISSION LETTER

Date:5.4.2022

From

The Hod
Departmentof MECH
AR Engineering college
Kappiyampuliyur

TO

The principle
AR Engineering college
Kappiyampuliyur

**SUB** : Seeking permission to conduct value added course on IOT Front End Design Using Ki-Cad to our students.

**Respected Sir,**

As part of academic excellence, it is planned to conduct value added course to our students in the field of machine parts design. The duration of the program is planned as 30 hours and it is scheduled between 13.04.2022 TO 28.04.2022 your kind permission is sought for the conduct of the programme.

Thanking you

YOUR'S SINCERELY

Dr.R.PA[illegible] S.M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

**DEPARTMENTOFELECTRICALANDELECTRONICSENGINEERING**

## CIRCULAR

**Date:7.4.2022**

It is informed that Department of Electrical and Electronics Engineering has planned to organize a Value Added Course on **"IOT Front End Design Using Ki-Cad"** in our college premises to enhance the practical knowledge of the students. Hence,the year students of the Department are cordially invited.

**COURSE DETAILS :**

| | |
|---|---|
| Course title | Value Added Course on"IOT Front End Design Using Ki-CAD |
| Course code | VAC105 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Venue | ONLNE |
| Schedule | 13.04.2022 TO 28.05.2022 |
| Timing | 5 PM TO 6 PM |
| Course Co-ordinator | Mr.R.UDHAYAKUMAR |
| Resource person | Mr.A.CHANDRASEKARAN |
| Certificate | Yes |

A. Chandrasekaran.

**PRINCIPAL**

A.R. ENGINEERING COLLEGE VILLUPURAM

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE
ON
IOT FRONT END DESIGN USING KI-CAD"

**Department of EEE**

13.04.2022 TO 28.05.2022

Time:5 pm to 6 pm

**Co-ordinator:**

Mr.R.UDHAYAKUMAR

AP/Department of EEE

**Resource Person:**

Mr.A.CHANDRASEKARANH

OD/Department of EEE

**Organized by**
DEPARTMENT OF EEE
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



**ELIGIBILITY&REGISTRATION**
**No registration fee.**
There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Objectives of the course** :

- It includes the various sensor,connectivity options and data processing methods used in IOT System.
- To connect any device and object to the internet allowing them to collect and share information and to be remotely monitored and controlled..

**A.R ENGINEERING COLLEGE**
VALUE ADDED COURSE
ON
IOT FRONT END DESIGN USING KI-CAD
13.04.2022 TO 28.05.2022
Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:

Date :

Place :

**Registration link :**
https://arec.addon.course/signin

For more information contact
Course coordinator:9159166467

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICENGINEERING
## IOT FRONT END DESIGN USING Ki-CAD

DATE: 13.04.2022 TO 28.05.2022 Total Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Devices:IOT circuits,IOT devices architecture,devices:Arduino Programming. | 13.4.2022/18.4.2022 /19.4.2022/20.4.2022/ 21.4.2022 | 5 hrs |
| | Introduction to KiCad.schematic design.features | | |
| | Efficient and versatile tool for design of circuits-Sample Circuits -Hands Training. | | |
| | Schematiclay out design and its implementation using KiCad | | |
| 2 | IOT Kit-withArduino board usingKi-Cad-sample Projects. | 22.4.2022/23.4.2022 /25.4.2022/26.4.2022 | 4 hrs |
| | Understanding IoT fundamentals | | |
| | IOT Architecture and protocols | | |
| | Various Platforms for IoT | | |
| | Real time Examples of IoT | | |
| | Overview of IoT components and IoT Communication Technologies | | |
| 3 | Challenges in IOT | 27.4.2022/28.4.2022 29.4.2022/30.4.2022 /10.5.2022 | 5 hrs |
| | Understanding IoT fundamentals | | |
| | IOT Architecture and protocols | | |
| | Arduino Uno Architecture | | |
| | Setup the IDE. Writing Arduino Software | | |
| | Arduino Libraries | | |
| | Basics of Embedded C programming for Arduino | | |
| 4 | Interfacing LED. push button and buzzer with Arduino | 11.5.2022/12.5.2022/13.5.2022 14.5.2022/16.5.2022/17.5.2022 18.5.2022/19.5.2022/20.5.2022 /21.5.2022 | 10 hrs |
| | Interfacing Arduino with LCD | | |
| | Arduino Uno Architecture | | |
| | Setup the IDE. Writing Arduino Software | | |
| | Arduino Libraries | | |
| | Overview of Sensors working | | |
| | Analog and Digital Sensors | | |
| | Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino | | |
| | Interfacing of Actuators with Arduino. | 23.5.2022/24.5.2022 /25.5.2022/26.5.2022 /27.5.2022/28.5.2022 | 6 hrs |
| | Basics of Wireless Networking | | |
| | Introduction to ESP8266 Wi-Fi Module | | |
| | Various Wi-Fi library | | |
| | Web server- introduction, installation, configuration | | |

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### "IOT FRONT END DESIGN USING Ki-CAD"

**STUDENTS NAME LIST :[I,II-YEAR]** **DATE: 13.04.2022 TO 28.5.2022**

| SL .NO | REG NO | STUDENTS NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420319105301 | BALAKRISHNAN V | Balakr .V |
| 2 | 420319105302 | KRISHNARAJ R | Krish .R |
| 3 | 420319105303 | LASARVIJAY B | Lasarvijay .B |
| 4 | 420321105001 | BHARATHI.S | Bha .S |
| 5 | 420321105002 | DHANALAKSHMI.M | Dha .M |
| 6 | 420321105003 | JAYAVEL.S | Jayavel.S |
| 7 | 420321105004 | KALAI STALIN MARAN.M | Kalai Mara M |
| 8 | 420321105005 | LOGESHWARI.K | logeshwari.K |
| 9 | 420321105006 | MOHAMED IMTHYAS.E | Mo .V |
| 10 | 420321105007 | NITHISH KUMAR.V | Nithish Kumar.V |
| 11 | 420321105008 | RAGUL.R | Ragul .R |
| 12 | 420321105009 | SABARI.S | Sabari .S |
| 13 | 420321105010 | SURIYA.M | Suriya .M |
| 14 | 420321105012 | VISHNU PRIYA.B | Vi .B |
| 15 | 420321105011 | VASANTHARAJ.R | Va |

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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## "IOT FRONT END DESIGN USING Ki-CAD"

**ATTENDENCE SHEET::[I,II-YEAR]** **DATE: 13.04.2022 TO 28.5.2022**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.4.2022 | 18.4.2022 | 19.4.2022 | 20.4.2022 | 21.4.2022 | 22.4.2022 | 23.4.2022 | 25.4.2022 | 26.4.2022 | 27.4.2022 | 28.4.2022 | 29.4.2022 | 30.4.2022 | 10.5.2022 | 11.5.2022 |
| 1 | 420319105301 | BALAKRISHNAN V | | | | | | | | | | | | | | | |
| 2 | 420319105302 | KRISHNARAJ R | | | | | | | | | | | | | | | |
| 3 | 420319105303 | LASARVIJAY B | | | | | | | | | | | | | | | |
| 4 | 420321105001 | BHARATHI.S | | | | | | | | | | | | | | | |
| 5 | 420321105002 | DHANALAKSHMI.M | | | | | | | | | | | | | | | |
| 6 | 420321105003 | JAYAVEL.S | | | | | | | | | | | | | | | |
| 7 | 420321105004 | KALAI STALIN MARAN.M | | | | | | | | | | | | | | | |
| 8 | 420321105005 | LOGESHWARI.K | | | | | | | | | | | | | | | |
| 9 | 420321105006 | MOHAMED IMTHYAS.E | | | | | | | | | | | | | | | |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 420321105007 | NITHISH KUMAR.V | | | | | | | | | | | | | | |
| 11 | 420321105008 | RAGUL.R | | | | | | | | | | | | | | |
| 12 | 420321105009 | SABARI.S | | | | | | | | | | | | | | |
| 13 | 420321105010 | SURIYA.M | | | | | | | | | | | | | | |
| 14 | 420321105012 | VISHNU PRIYA.B | | | | | | | | | | | | | | |
| 15 | 420321105011 | VASANTHARAJ.R | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 12.5.2022 | 13.5.2022 | 14.5.2022 | 16.5.2022 | 17.5.2022 | 18.5.2022 | 19.5.2022 | 20.5.2022 | 21.5.2022 | 23.5.2022 | 24.5.2022 | 25.5.2022 | 26.5.2022 | 27.5.2022 | 28.5.2022 |
| 1 | 420319105301 | BALAKRISHNAN V | | | | | | | | | | | | | | | |
| 2 | 420319105302 | KRISHNARAJ R | | | | | | | | | | | | | | | |
| 3 | 420319105303 | LASARVIJAY B | | | | | | | | | | | | | | | |
| 4 | 420321105001 | BHARATHI.S | | | | | | | | | | | | | | | |
| 5 | 420321105002 | DHANALAKSHMI.M | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 420321105003 | JAYAVEL.S | | | | | | | | | | | | | | | |
| 7 | 420321105004 | KALAI STALIN MARAN.M | | | | | | | | | | | | | | | |
| 8 | 420321105005 | LOGESHWARI.K | | | | | | | | | | | | | | | |
| 9 | 420321105006 | MOHAMED IMTHYAS.E | | | | | | | | | | | | | | | |
| 10 | 420321105007 | NITHISH KUMAR.V | | | | | | | | | | | | | | | |
| 11 | 420321105008 | RAGUL.R | | | | | | | | | | | | | | | |
| 12 | 420321105009 | SABARI.S | | | | | | | | | | | | | | | |
| 13 | 420321105010 | SURIYA.M | | | | | | | | | | | | | | | |
| 14 | 420321105012 | VISHNU PRIYA.B | | | | | | | | | | | | | | | |
| 15 | 420321105011 | VASANTHARAJ.R | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING"IOT

FRONT END DESIGN USING Ki-CAD"

**STUDENT ASSESMENT MARK LIST :[I.II-YEAR]** **DATE: 13.04.2022 TO 28.5.2022**

| SL .NO | REG NO | STUDENTS NAME | MARKS |
|---|---|---|---|
| 1 | 420319105301 | BALAKRISHNAN V | B+ |
| 2 | 420319105302 | KRISHNARAJ R | O |
| 3 | 420319105303 | LASARVIJAY B | A+ |
| 4 | 420321105001 | BHARATHI.S | O |
| 5 | 420321105002 | DHANALAKSHMI.M | A+ |
| 6 | 420321105003 | JAYAVEL.S | B+ |
| 7 | 420321105004 | KALAI STALIN MARAN.M | B+ |
| 8 | 420321105005 | LOGESHWARI.K | A+ |
| 9 | 420321105006 | MOHAMED IMTHYAS.E | A |
| 10 | 420321105007 | NITHISH KUMAR.V | B+ |
| 11 | 420321105008 | RAGUL.R | A+ |
| 12 | 420321105009 | SABARI.S | A |
| 13 | 420321105010 | SURIYA.M | A+ |
| 14 | 420321105012 | VISHNU PRIYA.B | A |
| 15 | 420321105011 | VASANTHARAJ.R | B |

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING |
| **Type of Event:** | Value added course |
| **Event Title:** | IOT FRONT END DESIGN USING Ki-CAD |
| **Date & Time:** | 13.04.2022 TO 28.05.2022(5 pm to 6 pm) |
| **Venue :** | Online |
| **Organizer:** | AREC– DEPARTMENT OF EEE |
| **Coordinator:** | Mr.R.UDHAYAKUMAR |
| **Resource person** | Mr.A.CHANDRASEKARAN |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with participants on 13.04.2022 TO 28.05.2022 At 5pm with welcome Address and introduction by the co-ordinator Mr.R.UDHAYAKUMAR ,AP/EEE ,AREC.<br>• Resource person Mr.A.CHANDRASEKARAN HOD of EEE has cover the basic of IOT FRONT END DESIGN USING Ki-CADand they demonstrated each and every concept.<br>• The students will get hands-on experience in working with IOT .Students really enjoyed the session and learnt a lot. Now 15 students will be able to apply the concept and its application.<br>• Mr.K.MANIKANDAN, AP/EEE,AREC,proposed the vote of thanks to the participants and organizers. |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur PO,Villupuram 605 601.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **NAVEEN KRISHNA.K.G** has participated in the 31 days Value added course on IOT organized by the Department of EEE , A.R. Engineering College, held 13.04.2022 TO 28.05.2022

HOD
Department of EEE

PRINCIPAL

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr R.PANNEERDHASS,M.E. Ph.D.,
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VADAKUCHIPALAYAM,
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## DEPARTMENT OF SCIENCE AND HUMANITIES
## PERMISSION LETTER

**Date:8.4.2022**

From

The Hod
Department of S&H
AR Engineering college
Kappiyampuliyur

TO

The principle
AR Engineering college
Kappiyampuliyur

**Sub**: Seeking permission to conduct Value added course

**Respected Sir,**

We are planning to conduct CERTIFICATE COURSE ON CAMPUS TO CORPORATE FOR YOUNG ENGINEERS" **on** 13.04.2022 TO 30.05.2022. We request you to grant permission for the same.

Thanking you

Your's sincerely

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

3/4/9

# A.R.ENGINEERINCOLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF SCIENCE ANDHUMANITIES
## CIRCULAR

Date:11.4.2022

The Department of Science and Humanities has planned to conduct a Certificate course on

**"CAMPUS TO CORPORATE FOR YOUNG ENGINEERS"** for first year students from

13.04.2022 TO 30.05.2022.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | CERTIFICATE COURSE ON CAMPUS TO CORPORATE FOR YOUNG ENGINEERS |
| Course code | VACS&H |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Venue | ONLNE |
| Schedule | 13.04.2022 TO 30.05.2022 |
| Timing | 5 pm to 6 pm |
| Course Co-ordinator | Dr.D.SENTHILKUMAR |
| Resource person | Dr.R.ELILARASI |
| Certificate | Yes |

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.
PRINCIPAL
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VADAKUCHIPALAYAM
KAPPIYAMPULIYUR
VILLUPURAM-6

# A.R.ENGINEERINCOLLEGE

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE
ON
CAMPUS TO CORPORATE
FOR YOUNG ENGINEERS"
Department of S&H

13.04.2022 TO 30.05.2022

Time:5 PM TO 6 PM

**Co-ordinator:**

Dr.D.SENTHILKUMAR
AP/Department of S&H

**Resource Person:**

Dr.R.ELILARASI

HOD/Department of S&H

**Organized by**
DEPARTMENT OF S&H
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION**
**No registration fee.**
There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program .

**Objectives of the course** :

- Training or learning objectives are the intended measurable outcome that your learner will achieve once they've finished a course.

**A.R ENGINEERING COLLEGE**
VALUE ADDED COURSE
ON
CAMPUS TO CORPORATE
FOR YOUNG ENGINEERS

13.04.2022 TO 30.05.2022
Registration form

Name :

Designation :

College :

Branch :

Address :

Whats App No :

E-mail :

Signature Of The Participant:
Date :
Place :

**Registration link :**

For more information contact
Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF SCIENCE AND HUMANITIES

## "CAMPUS TO CORPORATE FOR YOUNG ENGINEERS"

DATE: 13.04.2022 TO 30.05.2022 Total Hours: 31

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Defining purpose, audience and locale, organizing content, Preparing outlines, audio- visualaids, nuances ofbody language, space,setting and voice dynamics, building confidence, handling questions, collocations to be used for day-to-day conversation, improving the ability to present in front of the group. | **13.4.2022/18.4.2022/19.4.2022/ 20.4.2022/21.4.2022/22.4.2022 /23.4.2022/25.4.2022/26.4.2022/ 27.4.2022** | **10** |
| 2 | Conversations in Pairs to be Conducted (based on situations related today-to-day life), Enhancing communication Skills through Situation Based Conversations. | **28.4.2022/29.4.2022/30.4.2022 /10.5.2022/11.5.2022/12.5.2022 13.5.2022/14.5.2022/16.5.2022 17.5.2022** | **10** |
| 3 | Meetings. Agenda, Minutes of the Meeting, Business Etiquette. | **18.5.2022/19.5.2022/20.5.2022 21.5.2022** | **4** |
| 4 | Personality traits to be evaluated, Dynamics of group behavior, group etiquettes and mannerism, tips for effective group discussion, situation based role play in groups. | **23.5.2022/24.5.2022/25.5.2022 /26.5.2022/27.5.2022** | **5** |
| 5 | Practice through mock interviews for recruitment. | **28.5.2022/30.5.2022** | **2** |
| | | **TOTAL** | **31 hrs** |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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KAPPIYAMPULIYUR PO
VILLUPURAM-605 6

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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CAMPUS TO CORPORATE FOR YOUNG ENGINEERS

**STUDENTS NAME:[I-Year]** **DATE: 13.04.2022 TO 30.5.2022**

| SL .NO | REG NO | STUDENTS NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420321105001 | BHARATHI.S | |
| 2 | 420321105002 | DHANALAKSHMI.M | |
| 3 | 420321105003 | JAYAVEL.S | |
| 4 | 420321105004 | KALAI STALIN MARAN.M | |
| 5 | 420321105005 | LOGESHWARI.K | |
| 6 | 420321105006 | MOHAMED IMTHYAS.E | |
| 7 | 420321105007 | NITHISH KUMAR.V | |
| 8 | 420321105008 | RAGUL.R | |
| 9 | 420321105009 | SABARI.S | |
| 10 | 420321105010 | SURIYA.M | |
| 11 | 420321105011 | VASANTHARAJ.R | |
| 12 | 420321105012 | VISHNU PRIYA.B | |
| 13 | 420321103001 | DHIIVYA.V | |

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| | | | |
|---|---|---|---|
| 14 | 420321103002 | DURGA.D | DURGA.D |
| 13 | 420321103003 | MAGESHWARAN.I | MAGESHWARAN.I |
| 14 | 420321103004 | RAJAGURU M | RAJAGURU.M |
| 15 | 420321103005 | SRI SOWMIYA.M | SRI SOWMIYA.M |
| 16 | 420321103006 | THENNARASU M | THENNARASU M |
| 17 | 420321103007 | THULASI.T | Thulasi.T |
| 18 | 420321114001 | AJITH E | AJITH E |
| 19 | 420321114002 | BOSE M | Bose.M |
| 20 | 420321114003 | CHANDRU.S | CHANDRU.S |
| 21 | 420321114004 | DHANRAJ.T | DHANRAJ.T |
| 22 | 420321114005 | KARUNAKARAN.G | KARUNAKARAN.G |
| 23 | 420321114006 | MUTHUBALAN M | muthubalam. |
| 24 | 420321114007 | NAVEEN R | Naveen.R |
| 25 | 420321114008 | PARAMASIVAM V | PARAMASIVAM.V |
| 26 | 420321114009 | PRABAKARAN.A | Prabakaran.A |
| 27 | 420321114010 | PRAVEEN.P | Praveen.P |
| 28 | 420321114011 | SENTHILRAJA.K | SENTHILRAJA.K |
| 29 | 420321114012 | SIVALINGAM.C | SIVALINGAM.C |
| 30 | 420321114013 | UDHAYAKUMAR S | UDHAYAKUMAR.S |
| 31 | 420321114014 | VEERAPPAN.P | VEERAPPAN.P |

A.R.ENGINEERING COLLEGE

382 878

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR P.O.,
VILLUPURAM Dist.

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| | | | |
|---|---|---|---|
| 32 | 420321114015 | VENTHAN .V | |
| 33 | 420321114016 | VIGNESG E | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CAMPUS TO CORPORATE FOR YOUNG ENGINEERS

**ATTENDENCE SHEET:(I-Year)** **DATE: 13.04.2022 TO 30.5.2022**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.4.2022 | 18.4.2022 | 19.4.2022 | 20.4.2022 | 21.4.2022 | 22.4.2022 | 23.4.2022 | 25.4.2022 | 26.4.2022 | 27.4.2022 | 28.4.2022 | 29.4.2022 | 30.4.2022 | 10.5.2022 | 11.5.2022 |
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| 3 | 420321105003 | JAYAVEL.S | | | | | | | | | | | | | | | |
| 4 | 420321105004 | KALAISTALIN MARAN.M | | | | | | | | | | | | | | | |
| 5 | 420321105005 | LOKESHWARI.K | | | | | | | | | | | | | | | |
| 6 | 420321105006 | MOHAMED IMTHYAS.I | | | | | | | | | | | | | | | |
| 7 | 420321105007 | NITHISH KUMAR.V | | | | | | | | | | | | | | | |
| 8 | 420321105008 | [illegible] | | | | | | | | | | | | | | | |
| 9 | 420321105009 | [illegible] | | | | | | | | | | | | | | | |

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|---|---|---|---|
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| 18 | 420321114001 | AJITH E | |
| 19 | 420321114002 | BOSE M | |
| 20 | 420321114003 | CHANDRU.S | |
| 21 | 420321114004 | DHANRAJ.T | |
| 22 | 420321114005 | KARUNAKARAN.G | |
| 23 | 420321114006 | MUTHUBALAN M | |
| 24 | 420321114007 | NAVEEN R | |
| 25 | 420321114008 | PARAMASIVAM V | |
| 26 | 420321114009 | PRABAKARAN.A | |
| 27 | 420321114010 | PRAVEEN.P | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,

# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post, Villupuram-605601, Tamilnadu.

| | | | |
|---|---|---|---|
| 28 | 420321114011 | SENTHILRAJA.K | |
| 29 | 420321114012 | SIVALINGAM.C | |
| 30 | 420321114013 | UDHAYAKUMAR S | |
| 31 | 420321114014 | VEERAPPAN.P | |
| 32 | 420321114015 | VENTHAN .V | |
| 33 | 420321114016 | VIGNESG E | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 12.5.2022 | 13.5.2022 | 14.5.2022 | 16.5.2022 | 17.5.2022 | 18.5.2022 | 19.5.2022 | 20.5.2022 | 21.5.2022 | 23.5.2022 | 24.5.2022 | 25.5.2022 | 26.5.2022 | 27.5.2022 | 28.5.2022 | 30.5.2022 |
| 1 | 420321105001 | BHARATHI.S | | | | | | | | | | | | | | | | |
| 2 | 420321105002 | DHANALAKSHMI.M | | | | | | | | | | | | | | | | |
| 3 | 420321105003 | JAYAVEL.S | | | | | | | | | | | | | | | | |
| 4 | 420321105004 | KALAI STALIN MARAN.M | | | | | | | | | | | | | | | | |
| 5 | 420321105005 | LOGESHWARI.K | | | | | | | | | | | | | | | | |

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| | | |
|---|---|---|
| 6 | 420321105006 | MOHAMED IMTHIYAS.I |
| 7 | 420321105007 | NITHISH KUMAR.V |
| 8 | 420321105008 | RAGUL.R |
| 9 | 420321105009 | SABARI.S |
| 10 | 420321105010 | SURIYA.M |
| 11 | 420321105011 | VASANTHARAJ.R |
| 12 | 420321105012 | VISHNU PRIYA.B |
| 13 | 420321103001 | DHIVYA.V |
| 14 | 420321103002 | DURGA.D |
| 15 | 420321103003 | MAGESHWARAN.I |
| 16 | 420321103004 | RAJAGURU M |
| 17 | 420321103005 | SRI SOWMIYA.M |
| 18 | 420321103006 | THENNARASU M |
| 19 | 420321103007 | THULASI.T |
| 20 | 420321114001 | AJITH.E |
| 21 | 420321114002 | BOSE M |
| 22 | 420321114003 | CHANDRU.S |
| 23 | 420321114004 | DHANRAJ.T |
| 24 | 420321114005 | KARUNAKARAN.G |
| 25 | 420321114006 | MUTHUBALAN M |

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VILLUPURAM (Dt.)

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| | | | |
|---|---|---|---|
| 24 | 420321114007 | NAVEEN R | |
| 25 | 420321114008 | PARAMASIVAM V | |
| 26 | 420321114009 | PRABAKARAN.A | |
| 27 | 420321114010 | PRAVEEN.P | |
| 28 | 420321114011 | SENTHILRAJA.K | |
| 29 | 420321114012 | SIVALINGAM.C | |
| 30 | 420321114013 | UDHAYAKUMAR S | |
| 31 | 420321114014 | VEERAPPAN.P | |
| 32 | 420321114015 | VENTHAN .V | |
| 33 | 420321114016 | VIGNESG E | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF SCIENCE AND HUMANITIES

CAMPUS TO CORPORATE FOR YOUNG ENGINEERS

**STUDENTS ASSESMENT MARK LIST :[I-Year]** **DATE: 13.04.2022 TO 30.5.2022**

| SL .NO | REG NO | STUDENTS NAME | MARKS |
|---|---|---|---|
| 1 | 420321105001 | BHARATHI.S | 59 |
| 2 | 420321105002 | DHANALAKSHMI.M | 87 |
| 3 | 420321105003 | JAYAVEL.S | 59 |
| 4 | 420321105004 | KALAI STALIN MARAN.M | 87 |
| 5 | 420321105005 | LOGESHWARI.K | 67 |
| 6 | 420321105006 | MOHAMED IMTHYAS.E | 87 |
| 7 | 420321105007 | NITHISH KUMAR.V | 86 |
| 8 | 420321105008 | RAGUL.R | 76 |
| 9 | 420321105009 | SABARI.S | 87 |
| 10 | 420321105010 | SURIYA.M | 86 |
| 11 | 420321105011 | VASANTHARAJ.R | 87 |
| 12 | 420321105012 | VISHNU PRIYA.B | 75 |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601

| | | | |
|---|---|---|---|
| 13 | 420321103001 | DHIIVYA.V | 86 |
| 14 | 420321103002 | DURGA.D | 87 |
| 13 | 420321103003 | MAGESHWARAN.I | 76 |
| 14 | 420321103004 | RAJAGURU M | 89 |
| 15 | 420321103005 | SRI SOWMIYA.M | 87 |
| 16 | 420321103006 | THENNARASU M | 69 |
| 17 | 420321103007 | THULASI.T | 67 |
| 18 | 420321114001 | AJITH E | 64 |
| 19 | 420321114002 | BOSE M | 63 |
| 20 | 420321114003 | CHANDRU.S | 74 |
| 21 | 420321114004 | DHANRAJ.T | 76 |
| 22 | 420321114005 | KARUNAKARAN.G | 78 |
| 23 | 420321114006 | MUTHUBALAN M | 91 |
| 24 | 420321114007 | NAVEEN R | 75 |
| 25 | 420321114008 | PARAMASIVAM V | 74 |
| 26 | 420321114009 | PRABAKARAN.A | 76 |
| 27 | 420321114010 | PRAVEEN.P | 72 |
| 28 | 420321114011 | SENTHILRAJA.K | 68 |
| 29 | 420321114012 | SIVALINGAM.C | 59 |
| 30 | 420321114013 | UDHAYAKUMAR S | 85 |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 31 | 420321114014 | VEERAPPAN.P | 87 |
| 32 | 420321114015 | VENTHAN .V | 65 |
| 33 | 420321114016 | VIGNESG E | 86 |

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# A.R.ENGINEERINCOLLEGE

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | DEPARTMENT OF SCIENCE AND HUMANITIES |
| **Type of Event:** | CERTIFICATE COURSE |
| **Event Title:** | CAMPUS TO CORPORATE FOR YOUNG ENGINEERS |
| **Date & Time:** | 13.04.2022 TO 30.05.2022( 5 PM TO 6 PM) |
| **Venue :** | Online |
| **Organizer:** | AREC– DEPARTMENT OF S&H |
| **Coordinator:** | Dr.D.SENTHILKUMAR |
| **Resource person** | Dr.R.ELILARASI |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with participants on 13.04.2022 TO 30.05.2022 at 5 PM with welcome Address and introduction by the co-ordinator Dr.D.SENTHILKUMAR,AP/S&H ,AREC.<br>• Resource person Dr.R.ELILARASIHOD of S&H has cover the CAMPUS TO CORPORATE FOR YOUNG ENGINEERSand they demonstrated each and every concept.<br>• The students will get hands-on experience in it. Students really enjoyed the session and learnt a lot. Now 33 students will be able to apply the concept and its application.<br>• Dr.K.HARIKUMAR, AP/S&H,AREC,proposed the vote of thanks to the participants and organizers. |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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Vadakuchipalayam, Kappiyampuliyur PO,Villupuram 605 601.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **NAVEEN KRISHNA.K.G** has participated in the 31 days Value added course on CAMPUS TO CORPORATE FOR YOUNG ENGINEERS organized by the Department of S&H , A.R. Engineering College, held 13.04.2022 TO 30.05.2022

HOD
Department of S&H

PRINCIPAL

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# ACADEMIC YEAR

# 2020 - 2021

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS, M.E., Ph.D.,
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**Academic Year: 2020-2021**

| Sl. NO | Name of Add on /Certificate programs offered | Course code | Department | Year Of Offering | No of times offered during the same year | Date and year | Duration of course | No of students enrolled | No of student completing t course in the year |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Add-on Course On Angular Js | VACSE101 | CSE | III, IV | 1 | 14.08.2020 to 29.09.2020 | 31 | 30 | 30 |
| 2 | Value added course on Building Information Modeling | VACIVIL102 | CIVIL | IV | 1 | 14.08.2020 To 28.09.2020 | 30 | 12 | 12 |
| 3 | Value-added course on Ansys fluent-cfo | VACMECH104 | MECH | IV,III | 1 | 14.08.2020 To 29.09.2020 | 31 | 28 | 28 |
| 4 | Value-added course on Arduino | VACECE103 | ECE | II,III | 1 | 09.04.2021 To 28.05.2021 | 30 | 14 | 14 |
| 5 | Certificate course on Basic Electrical and Electronics Components | VACEEE105 | EEE | I,II,III | 1 | 09.04.2021 To 28.05.2021 | 30 | 25 | 25 |
| 6 | Certificate course on Deep Learning | VACSH106 | S&H | I | 1 | 09.04.2021 To 29.05.2021 | 31 | 49 | 49 |

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## DEPARTMENT OF CSE
## PERMISSION LETTER

**Date: 04.08.2020**

**FROM**

The HOD
Department of CSE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB:** Seeking permission to conduct value-added course.

**Respected Sir,**

We are planning to conduct Value-added course on **ANGULARJS** on 14.8.2020 to 29.09.2020.We request you to grant permission for the same.

**Name of the Course :**ANGULARJS

**Course Coordinator :**Ms.P.SUGANYA
AP/CSE
AR Engineering college
Kappiyampuliyur.

Thanking you

Your's sincerely

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CSE

## CIRCULAR

**Date:07.08.2020**

All III,IV Year students of the department of CSE, AR engineeringcollege who are interested are hereby informed to enroll their names of the value-added course titled **"ANGULARJS"**.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on angularjs |
| Course code | VACCSE101 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 14.8.2020 to 29.09.2020 |
| Timing | 05.00pmto 06.00pm |
| Course Co-Ordinator | Ms.P.SUGANYA |
| Resource person | Dr.P.SuryaPrakash |
| Certificate | Yes |

PRINCIPAL

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE
on
ANGULAR JS"

14.08.2020 to 29.09.2020

Time:05.00PM-06.00 pm

**Co-ordinator:**

Ms.P.SUGANYA

AP/Department of Cse

**Resource Person:**

Dr.P.SURYAPRAKASHHOD/
Department of Cse

**Organized by**
DEPARTMENT OF Cse
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the coures:**

- Reduce the amount of code you write to build rich user interface applications
- Providing twoway binding of data
- Create single page applications
- Modelarise your code with the custom services and directives.

**A.R ENGINEERING COLLEGE**
VALUE ADDED COURSE
ON ANGULAR JS
14.08.2020 to 29.09.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

Whats appNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.courses...

For more information contact

Course coordinator:9159166467

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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON ANGULARJS

**DATE: 14.8.2020 to 29.09.2020** **TOTAL Hours: 31**

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction to Client side scripting languages | 14.8.2020 | 1 hr |
| 2 | Basic of Java script and jquery | 17.08.2020/18.08.2020 | 2 hr |
| 3 | Introduction to AngularJs | 19.08.2020 | 1 hr |
| 4 | Bootstrapping angular apps | 20.08.2020/24.08.2020 | 2hr |
| 5 | Auto bootstrap,Custom boot strap | 25.08.2020/26.08.2020 | 2 hr |
| 6 | Data bind,Binding model objects | 27.08.2020/28.08.2020 | 2 hr |
| 7 | Model objects visibility,Scope | 29.08.2020/31.08.2020 | 2 hr |
| 8 | Introduction to Client side scripting languages | 1.09.2020/02.09.2020 | 2hr |
| 9 | Basic of Java script and jquery | 03.09.2020/04.02.2020 | 2hr |
| 10 | Introduction to AngularJs | 05.09.2020/07.09.2020 | 2 hr |
| 11 | Boot strapping angular apps | 08.09.2020 | 1 hr |
| 12 | JS ON advantages,Using JSON in angularjs | 09.09.2020 | 1hr |
| 13 | Dependency injection | 10.09.2020 | 1hr |
| 14 | What is Dependency injection? | 11.09.2020 | 1 hr |
| 15 | Implicit DI in line array an not ated DIS inject array an notated DI | 12.09.2020 | 1 hr |
| 16 | Introduction to expressions | 14.09.2020 | 1 hr |
| 17 | AngularJs Expressions,AngularJsNumbers | 15.09.2020/16.09.2020 | 2 hr |
| 18 | AngularJs Strings,Arrays,Objects | 17.09.2020 | 1 hr |
| 19 | Filters.Adding Filters to Expressions,Adding Filters to Directives | 18.09.2020/19.09.2020 | 2 hr |
| 20 | Working with built in filters,Creating custom filters | 28.9.2020/29.9.2020 | 2 hr |
| | | TOTAL | 31hr |

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## DEPARTMENT OF CSE
## VALUE ADDED COURSE ON ANGULAR JS

**STUDENTS NAME LIST :(III,IV)**
**TOTAL HOURS :31 HRS**
**TIME:5.00 PM TO 6.00PM**

**DATE:14.08.2020 to 29.09.2020**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420317104004 | GOWSALYA. R | IV | Gowsalya.R |
| 2 | 420317104007 | JAYASRI .P | IV | JAYASRI.P |
| 3 | 420317104010 | MANIKANDAN. P | IV | Manikandan.P |
| 4 | 420317104012 | NIVEDHA .R | IV | NIVEDHA.R |
| 5 | 420317104015 | PREMKUMAR. P | IV | premkumar.R |
| 6 | 420317104016 | PRIYANKA .R | IV | Pr[illegible].R |
| 7 | 420317104018 | RABIYA .D | IV | Rab[illegible].D |
| 8 | 420317104019 | RAJESHWARI. N | IV | Raj[illegible].N |
| 9 | 420317104020 | SAKTHIVEL .N | IV | Sakthivel.N. |
| 10 | 420317104022 | SATHISH .A | IV | Sathish.A |
| 11 | 420317104024 | SHALANI .S | IV | Shalani.S |
| 12 | 420317104027 | SUNILJOSHI. V | IV | sunilJoshi.V |
| 13 | 420317104028 | VALLARASU .K | IV | Vallarasu.K |
| 14 | 420317104029 | VANISHREE .N | IV | [illegible] |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF CSE
## VALUE ADDED COURSE ON ANGULAR JS

**STUDENTS NAME LIST :(III,IV)**
**TOTAL HOURS :31 HRS**
**TIME:5.00 PM TO 6.00PM**

**DATE:14.08.2020 to 29.09.2020**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420317104004 | GOWSALYA. R | IV | Gowsalya.R |
| 2 | 420317104007 | JAYASRI .P | IV | JAYASRI.P |
| 3 | 420317104010 | MANIKANDAN. P | IV | Manikandan.P |
| 4 | 420317104012 | NIVEDHA .R | IV | NIVEDHA.R |
| 5 | 420317104015 | PREMKUMAR. P | IV | Premkumar.R |
| 6 | 420317104016 | PRIYANKA .R | IV | Priy .R |
| 7 | 420317104018 | RABIYA .D | IV | Rab .D |
| 8 | 420317104019 | RAJESHWARI. N | IV | Raje .N |
| 9 | 420317104020 | SAKTHIVEL .N | IV | Sakthivel.N. |
| 10 | 420317104022 | SATHISH .A | IV | Sathish.A |
| 11 | 420317104024 | SHALANI .S | IV | Shalani.S |
| 12 | 420317104027 | SUNILJOSHI. V | IV | sunilJoshi.V |
| 13 | 420317104028 | VALLARASU .K | IV | Vallarasu.K |
| 14 | 420317104029 | VANISHREE .N | IV | |

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| | | | | |
|---|---|---|---|---|
| 15 | 420317104031 | YUVARANI .M | IV | |
| 16 | 420318104001 | ABITHA A | III | |
| 17 | 420318104002 | AMIRTHALAKSHMI V | III | |
| 18 | 420318104003 | ANANDHI S | III | |
| 19 | 420318104004 | BHUVANESHWARI G | III | |
| 20 | 420318104005 | GIRIPRASATH K | III | |
| 21 | 420318104007 | GUNASEELAN G | III | |
| 22 | 420318104008 | KAVITHENDRAL K | III | |
| 23 | 420318104009 | KAVITHRA K | III | |
| 24 | 420318104010 | MANGALAMBIGAI A | III | |
| 25 | 420318104011 | SANTHI J | III | |
| 26 | 420318104012 | STEPHEN RAJ R | III | |
| 27 | 420318104013 | SUJATHA A | III | |
| 28 | 420318104014 | SWARNALAKSHMI B | III | |
| 29 | 420318104016 | VARADHARAJA PERUMAL L | III | |
| 30 | 420318104018 | YUVARAJ V | III | |

COURSE CO-ORDINATOR

HOD

Dr.R.PANNEERDHASS,M.E.,Ph D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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# A. R. ENGINEERING COLLEGE

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| | | | | |
|---|---|---|---|---|
| 15 | 420317104031 | YUVARANI .M | IV | |
| 16 | 420318104001 | ABITHA A | III | |
| 17 | 420318104002 | AMIRTHALAKSHMI V | III | |
| 18 | 420318104003 | ANANDHI S | III | |
| 19 | 420318104004 | BHUVANESHWARI G | III | |
| 20 | 420318104005 | GIRIPRASATH K | III | |
| 21 | 420318104007 | GUNASEELAN G | III | |
| 22 | 420318104008 | KAVITHENDRAL K | III | |
| 23 | 420318104009 | KAVITHRA K | III | |
| 24 | 420318104010 | MANGALAMBIGAI A | III | |
| 25 | 420318104011 | SANTHI J | III | |
| 26 | 420318104012 | STEPHEN RAJ R | III | |
| 27 | 420318104013 | SUJATHA A | III | |
| 28 | 420318104014 | SWARNALAKSHMI B | III | |
| 29 | 420318104016 | VARADHARAJA PERUMAL L | III | |
| 30 | 420318104018 | YUVARAJ V | III | |

COURSE CO-ORDINATOR

HOD

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## DEPARTMENT OF CSE
## VALUE ADDED COURSE ON ANGULAR JS

**ATTENDENCE SHEET :(III IV)**

**DATE:14.08.2020 to 29.09.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 14.8.2020 | 17.8.2020 | 18.8.2020 | 19.8.2020 | 20.8.2020 | 24.8.2020 | 25.8.2020 | 26.8.2020 | 27.8.2020 | 28.8.2020 | 29.8.2020 | 31.8.2020 | 1.9.2020 | 2.9.2020 | 3.9.2020 |
| 1 | 420317104004 | GOWSALYA. R | | | | | | | | | | | | | | | |
| 2 | 420317104007 | JAYASRI .P | | | | | | | | | | | | | | | |
| 3 | 420317104010 | MANIKANDAN. P | | | | | | | | | | | | | | | |
| 4 | 420317104012 | NIVEDHA .R | | | | | | | | | | | | | | | |
| 5 | 420317104015 | PREMKUMAR. P | | | | | | | | | | | | | | | |
| 6 | 420317104016 | PRIYANKA .R | | | | | | | | | | | | | | | |
| 7 | 420317104018 | RABIYA .D | | | | | | | | | | | | | | | |
| 8 | 420317104019 | RAJESHWARI. N | | | | | | | | | | | | | | | |
| 9 | 420317104020 | SAKTHIVEL .N | | | | | | | | | | | | | | | |
| 10 | 420317104022 | SATHISH .A | | | | | | | | | | | | | | | |
| 11 | 420317104024 | SHALANI .S | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 420317104027 | SUNILJOSHI. V | | | | | | | | | | | | | | | |
| 13 | 420317104028 | VALLARASU .K | | | | | | | | | | | | | | | |
| 14 | 420317104029 | VANISHREE .N | | | | | | | | | | | | | | | |
| 15 | 420317104031 | YUVARANI .M | | | | | | | | | | | | | | | |
| 16 | 420318104001 | ABITHA A | | | | | | | | | | | | | | | |
| 17 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | |
| 18 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | |
| 19 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | |
| 20 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | |
| 21 | 420318104007 | GUNASEELAN G | | | | | | | | | | | | | | | |
| 22 | 420318104008 | KAVITHENDRAL K | | | | | | | | | | | | | | | |
| 23 | 420318104009 | KAVITHRA K | | | | | | | | | | | | | | | |
| 24 | 420318104010 | MANGALAMBIGAI A | | | | | | | | | | | | | | | |
| 25 | 420318104011 | SANTHI J | | | | | | | | | | | | | | | |
| 26 | 420318104012 | STEPHEN RAJ R | | | | | | | | | | | | | | | |
| 27 | 420318104013 | SUJATHA A | | | | | | | | | | | | | | | |
| 28 | 420318104014 | SWARNALAKSHMI B | | | | | | | | | | | | | | | |
| 29 | 420318104016 | VARADHARAJA PERUMAL L | | | | | | | | | | | | | | | |
| 30 | 420318104018 | YUVARAJ V | | | | | | | | | | | | | | | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 4.9.2020 | 5.9.2020 | 7.9.2020 | 8.9.2020 | 9.9.2020 | 10.9.2020 | 11.9.2020 | 12.9.2020 | 14.9.2020 | 15.9.2020 | 16.9.2020 | 17.9.2020 | 18.9.2020 | 19.9.2020 | 28.9.2020 | 29.9.2020 |
| 1 | 420317104004 | GOWSALYA. R | | | | | | | | | | | | | | | | |
| 2 | 420317104007 | JAYASRI .P | | | | | | | | | | | | | | | | |
| 3 | 420317104010 | MANIKANDAN. P | | | | | | | | | | | | | | | | |
| 4 | 420317104012 | NIVEDHA .R | | | | | | | | | | | | | | | | |
| 5 | 420317104015 | PREMKUMAR. P | | | | | | | | | | | | | | | | |
| 6 | 420317104016 | PRIYANKA .R | | | | | | | | | | | | | | | | |
| 7 | 420317104018 | RABIYA .D | | | | | | | | | | | | | | | | |
| 8 | 420317104019 | RAJESHWARI. N | | | | | | | | | | | | | | | | |
| 9 | 420317104020 | SAKTHIVEL .N | | | | | | | | | | | | | | | | |
| 10 | 420317104022 | SATHISH .A | | | | | | | | | | | | | | | | |
| 11 | 420317104024 | SHALANI .S | | | | | | | | | | | | | | | | |
| 12 | 420317104027 | SUNILJOSHI. V | | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 420317104028 | VALLARASU .K | | | | | | | | | | | | | | | | |
| 14 | 420317104029 | VANISHREE .N | | | | | | | | | | | | | | | | |
| 15 | 420317104031 | YUVARANI .M | | | | | | | | | | | | | | | | |
| 16 | 420318104001 | ABITHA A | | | | | | | | | | | | | | | | |
| 17 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | | |
| 18 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | | |
| 19 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | | |
| 20 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | | |
| 21 | 420318104007 | GUNASEELAN G | | | | | | | | | | | | | | | | |
| 22 | 420318104008 | KAVITHENDRAL K | | | | | | | | | | | | | | | | |
| 23 | 420318104009 | KAVITHRA K | | | | | | | | | | | | | | | | |
| 24 | 420318104010 | MANGALAMBIGAI A | | | | | | | | | | | | | | | | |
| 25 | 420318104011 | SANTHI J | | | | | | | | | | | | | | | | |
| 26 | 420318104012 | STEPHEN RAJ R | | | | | | | | | | | | | | | | |
| 27 | 420318104013 | SUJATHA A | | | | | | | | | | | | | | | | |
| 28 | 420318104014 | SWARNALAKSHMI B | | | | | | | | | | | | | | | | |
| 29 | 420318104016 | VARADHARAJA PERUMAL L | | | | | | | | | | | | | | | | |
| 30 | 420318104018 | YUVARAJ V | | | | | | | | | | | | | | | | |

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON ANGULAR JS

**STUDENTS ASSESMENT MARK LIST :(III,IV)** **DATE:14.08.2020 to 29.09.2020**
**TOTAL HOURS :31 HRS**
**TIME:5.00 PM TO 6.00PM**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420317104004 | GOWSALYA. R | IV | 86 |
| 2 | 420317104007 | JAYASRI .P | IV | 92 |
| 3 | 420317104010 | MANIKANDAN. P | IV | 88 |
| 4 | 420317104012 | NIVEDHA .R | IV | 70 |
| 5 | 420317104015 | PREMKUMAR. P | IV | 69 |
| 6 | 420317104016 | PRIYANKA .R | IV | 82 |
| 7 | 420317104018 | RABIYA .D | IV | 75 |
| 8 | 420317104019 | RAJESHWARI. N | IV | 64 |
| 9 | 420317104020 | SAKTHIVEL .N | IV | 69 |
| 10 | 420317104022 | SATHISH .A | IV | 72 |
| 11 | 420317104024 | SHALANI .S | IV | 66 |
| 12 | 420317104027 | SUNILJOSHI. V | IV | 59 |
| 13 | 420317104028 | VALLARASU .K | IV | 92 |
| 14 | 420317104029 | VANISHREE .N | IV | 78 |

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VILLUPURAM-605 601

| | | | | |
|---|---|---|---|---|
| 15 | 420317104031 | YUVARANI .M | IV | 81 |
| 16 | 420318104001 | ABITHA A | III | 65 |
| 17 | 420318104002 | AMIRTHALAKSHMI V | III | 90 |
| 18 | 420318104003 | ANANDHI S | III | 77 |
| 19 | 420318104004 | BHUVANESHWARI G | III | 78 |
| 20 | 420318104005 | GIRIPRASATH K | III | 68 |
| 21 | 420318104007 | GUNASEELAN G | III | 90 |
| 22 | 420318104008 | KAVITHENDRAL K | III | 82 |
| 23 | 420318104009 | KAVITHRA K | III | 65 |
| 24 | 420318104010 | MANGALAMBIGAI A | III | 60 |
| 25 | 420318104011 | SANTHI J | III | 85 |
| 26 | 420318104012 | STEPHEN RAJ R | III | 90 |
| 27 | 420318104013 | SUJATHA A | III | 82 |
| 28 | 420318104014 | SWARNALAKSHMI B | III | 74 |
| 29 | 420318104016 | VARADHARAJA PERUMAL L | III | 88 |
| 30 | 420318104018 | YUVARAJ V | III | 61 |

A.R.ENGG. COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CSE |
| **Type of Event:** | Value Added Course |
| **Event Title:** | ANGULAR JS |
| **Date & Time:** | 14.08.2020 to 29.09.2020 & ( 5PM-6PM) |
| **Venue :** | AREC |
| **Organizer:** | AREC–CSE |
| **Coordinator:** | Ms.P.SUGANYA |
| **Resource person** | Dr.P.SURYAPRAKASH |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | ANGULARJS course conducted on 14.08.2020 to 29.09.2020.Total duration of course was 31 hours. Total **30 Students** have attended the course. This course elucidates concepts related to Internet of things.The students will get hands- on experience in working with ANGULARJS.<br>Resource person **Dr.P.SURYAPRAKASHHOD/Department of CSE/RMD COLLEGE OF ENGINEERING** has cover the basic of the **ANGULARJS** and they demonstrated each and every concept and also covered set.<br>Students really enjoyed the session and learnt a lot.Now 30 students will be able to apply the conc concept in advanced application. |

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# A R ENGINEERING COLLEGE

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This is to certify that Mr./Ms .....GOWSALYA.R.....has participated in the 31 days Value added course on "**Angular JS**"organized by the Department of CSE, A R Engineering college , held on **14.08.2020 TO 29.09.2020**

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

# A. R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CIVIL
## PERMISSION LETTER

**Date: Date: 04.08.2020**

**From**

The Hod

Department of civil

AR Engineering college
Kappiyampuliyur.

**TO**

The principal

AR Engineering college

Kappiyampuliyur

**SUB**: Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct Value-added course on Building Information Modeling on 14.08.2020 to 28.09.2020. We request you to grant permission for the same.

**Name of the Course** : Building Information Modeling

**Course Coordinator** : MS.K.PAVITHRA
Assistant professor
AR Engineering College,
Kappiyampuliyur.

Thanking you

Your's sincerely

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.
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A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CIVIL
## CIRCULAR

**Date: 07.08.2020**

The IV-Year students of the department of CIVIL, AR college of engineering who are interested are hereby informed to enroll their names of the value added course titled "Building Information Modeling".

**COURSE DETAILS:**

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON BUILDING INFORMATION MODELING |
| Course code | VACIVIL102 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 14.08.2020 to 28.09.2020 |
| Timing | 5 pm to 6 pm |
| Course Co-Ordinator | Ms.R.Pavithra |
| Resource person | Mr.B.Anandhakumar |
| Certificate | Yes |

B. Anandhakumar
HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE

on

BUILDING INFORMATION MODELING"

**Department of Civil**

14.8.2020 to 28.9.2020
05.00pm to 06.00pm

**Co-ordinator:**

MS.K.PAVITHRAAP/Department of Civil

**Resource Person:**

Mr.B.AnandhakumarHOD/Department of civil

**Organized by**
DEPARTMENT OF CIVIL
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- Explain the principles of building information modeling
- Describe the characteristic of a BIM in commercial and residential architecture
- Explain the common tools and processes used in parametric modeling.

**A.R ENGINEERING COLLEGE**
VALUE ADDED COURSE
ON Building Information Modeling
14.8.2020 to 28.9.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registrationlink:**

**Registration Date**

For more information contact

Course coordinator:9159166467

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON BUILDING INFORMATION MODELING

DATE:14.08.2020 to 28.9.2020 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | BMI Scope and introduction | 14.8.2020 /17.08.2020/18.08.2020 19.08.2020/20.08.2020/24.08.2020 25.08.2020/26.08.2020 27.08.2020/28.08.2020 | 10 hrs |
| 2 | Collaboration the heart of BMI process | | |
| 3 | Building smart | | |
| 4 | BMI execution plan | | |
| 5 | BMI Maturity level | | |
| 6 | Synergies between lean construction | | |
| 7 | Virtual design and construction | 29.08.2020/31.08.2020/1.09.2020 02.09.2020/03.09.2020/04.02.2020 05.09.2020/07.09.2020/08.09.2020 09.09.2020/10.09.2020 | 11hrs |
| 8 | BMI Fundamentals | | |
| 9 | BMI constructions | | |
| 10 | Site utilization planning | | |
| 11 | Phase planning | | |
| 12 | 3D co-ordination detection | | |
| 13 | Record Modeling | | |
| 14 | Field Management Tracking | 11.09.2020/12.09.2020/14.09.2020 15.09.2020/16.09.2020/17.09.2020 18.09.2020/19.09.2020 28.9.2020 | 09hrs |
| 15 | Construction Manager | | |
| 16 | Design Build | | |
| 17 | Digital fabrication | | |
| 18 | BMI co-ordinator | | |
| 19 | BMI Scope and introduction | | |
| 20 | Collaboration the heart of BMI process | | |
| | | TOTAL | 30 hrs |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON BUILDING INFORMATION MODELING STUDENTS

**STUDENTS NAME LIST:IV YEAR** **DATE:14.8.2020 TO 28.9.2020**

| SI.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420317103001 | BALAGI C | IV | C.Balagi |
| 2 | 420317103005 | JAYANTHI K | IV | K.J |
| 3 | 420317103006 | MOHANA RAJAN M | IV | M.M |
| 4 | 420317103008 | PRAVEEN KRISHNA D | IV | D.P |
| 5 | 420317103010 | SASIKUMAR K | IV | K.Sasikumar |
| 6 | 420317103012 | SIVARANJANI R | IV | R.Siva |
| 7 | 420317103013 | SRIRANJANI R | IV | R.S |
| 8 | 420317103014 | VASANTHA KUMARI N | IV | V.Vasanthar |
| 9 | 420317103015 | VIJAYA KUMAR S | IV | S.V |
| 10 | 420317103301 | SAKTHIVEL A | IV | Sakthivel.A |
| 11 | 420317103302 | VIGNESH K | IV | VIGNESH.K |
| 12 | 420317103501 | RAMYA A | IV | A.Ramya |

COURSE CO-ORDINATOR HOD PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON BUILDING INFORMATION MODELING STUDENT

**ATTENDENCE SHEET IV-YEAR** **DATE:14.8.2020 TO 28.9.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 14.8.2020 | 17.8.2020 | 18.8.2020 | 19.8.2020 | 20.8.2020 | 24.8.2020 | 25.8.2020 | 26.8.2020 | 27.8.2020 | 28.8.2020 | 29.8.2020 | 31.8.2020 | 1.9.2020 | 2.9.2020 | 3.9.2020 |
| 1 | 420317103001 | BALAGI C | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 2 | 420317103005 | JAYANTHI K | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 3 | 420317103006 | MOHANA RAJAN M | P | P | P | P | P | P | P | P | P | P | P | P | AB | AB | AB |
| 4 | 420317103008 | PRAVEEN KRISHNA D | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 5 | 420317103010 | SASIKUMAR K | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 6 | 420317103012 | SIVARANJANI R | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 7 | 420317103013 | SRIRANJANI R | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 8 | 420317103014 | VASANTHA KUMARI N | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 9 | 420317103015 | VIJAYA KUMAR S | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 10 | 420317103301 | SAKTHIVEL A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 11 | 420317103302 | VIGNESH K | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 12 | 420317103501 | RAMYA A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 4.9.2020 | 5.9.2020 | 7.9.2020 | 8.9.2020 | 9.9.2020 | 10.9.2020 | 11.9.2020 | 12.9.2020 | 14.9.2020 | 15.9.2020 | 16.9.2020 | 17.9.2020 | 18.9.2020 | 19.9.2020 | 28.9.2020 |
| 1 | 420317103001 | BALAGI C | | | | | | | | | | | | | | | |
| 2 | 420317103005 | JAYANTHI K | | | | | | | | | | | | | | | |
| 3 | 420317103006 | MOHANA RAJAN M | | | | | | | | | | | | | | | |
| 4 | 420317103008 | PRAVEEN KRISHNA D | | | | | | | | | | | | | | | |
| 5 | 420317103010 | SASIKUMAR K | | | | | | | | | | | | | | | |
| 6 | 420317103012 | SIVARANJANI R | | | | | | | | | | | | | | | |
| 7 | 420317103013 | SRIRANJANI R | | | | | | | | | | | | | | | |
| 8 | 420317103014 | VASANTHA KUMARI N | | | | | | | | | | | | | | | |
| 9 | 420317103015 | VIJAYA KUMAR S | | | | | | | | | | | | | | | |
| 10 | 420317103301 | SAKTHIVEL A | | | | | | | | | | | | | | | |
| 11 | 420317103302 | VIGNESH K | | | | | | | | | | | | | | | |
| 12 | 420317103501 | RAMYA A | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR HOD PRINCIPAL

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DEPARTMENT OF CIVIL

**VALUE ADDED COURSE ON BUILDING INFORMATION MODELING STUDENTS**

**STUDENTS ASSESMENT MARK LIST:IV YEAR** **DATE:14.8.2020 TO 28.9.2020**

| SI.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420317103001 | BALAGI C | IV | A |
| 2 | 420317103005 | JAYANTHI K7;[ | IV | O |
| 3 | 420317103006 | MOHANA RAJAN M | IV | B+ |
| 4 | 420317103008 | PRAVEEN KRISHNA D | IV | A+ |
| 5 | 420317103010 | SASIKUMAR K | IV | O |
| 6 | 420317103012 | SIVARANJANI R | IV | A+ |
| 7 | 420317103013 | SRIRANJANI R | IV | A |
| 8 | 420317103014 | VASANTHA KUMARI N | IV | B+ |
| 9 | 420317103015 | VIJAYA KUMAR S | IV | A+ |
| 10 | 420317103301 | SAKTHIVEL A | IV | A |
| 11 | 420317103302 | VIGNESH K | IV | A+ |
| 12 | 420317103501 | RAMYA A | IV | B+ |

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PRINCIPAL

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DEPARTMENT OF CIVIL

**VALUE ADDED COURSE ON BUILDING INFORMATION MODELING STUDENTS**

**STUDENTS ASSESMENT MARK LIST:IV YEAR** **DATE:14.8.2020 TO 28.9.2020**

| SI.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420317103001 | BALAGI C | IV | A |
| 2 | 420317103005 | JAYANTHI K | IV | O |
| 3 | 420317103006 | MOHANA RAJAN M | IV | B+ |
| 4 | 420317103008 | PRAVEEN KRISHNA D | IV | A+ |
| 5 | 420317103010 | SASIKUMAR K | IV | O |
| 6 | 420317103012 | SIVARANJANI R | IV | A+ |
| 7 | 420317103013 | SRIRANJANI R | IV | A |
| 8 | 420317103014 | VASANTHA KUMARI N | IV | B+ |
| 9 | 420317103015 | VIJAYA KUMAR S | IV | A+ |
| 10 | 420317103301 | SAKTHIVEL A | IV | A |
| 11 | 420317103302 | VIGNESH K | IV | A+ |
| 12 | 420317103501 | RAMYA A | IV | B+ |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CIVIL |
| **Type of Event:** | Value Added Course |
| **Event Title:** | Building Information Modeling |
| **Date & Time:** | 14.8.2020 to 28.9.2020(5 pm to 6 pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–CIVIL |
| **Coordinator:** | MS.K.PAVITHRA |
| **Resource person** | Mr.B.Anandhakumar |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | Building Information Modeling course conducted on 14.8.2020 to 28.9.2020 Total duration of course was 30 hours. Total 12 Students have attended the course Resource person **Mr.B.AnandhakumarHOD\CIVIL** has cover the basic of the Building Information Modeling and they demonstrated each and every concept Students really enjoyed the session and learnt a lot.Now 12 students will be able to apply the concept in advanced application.<br>**Mr.K.ElayarajaAP/CIVIL,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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This is to certify that Mr./Ms .....BALAGI.C.....has participated in the 30 days Value added course on "Building information modelling"organized by the Department of CIVIL, A R Engineering college , held on 14.08.2020 TO 28.09.2020

B Sudha

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF MECHANICAL ENGINEERING

## PERMISSION LETTER

Date:4.8.2020

**From**

The Hod
Department of MECH
AR Engineering college
Kappiyampuliyur

**To**

The principal
AR Engineering college
Kappiyampuliyur

**SUB:** Seeking permission to conduct VALUE ADDED COURSE ON ANSYSFLUENT-CFO

**Respected sir,**

As per academic excellence it is planned to conduct value-added course to our students in the field of advance manufacturing The duration of the programme is planned 30 hours and it is scheduled between your kind permission is sought for conducting the programme.

**Name of the Course :VALUE ADDED COURSE ON ANSYSFLUENT-CFO**

**Course Coordinator** :Mr.S.Ramamoorthy
Assistant professor
AR Engineering College
Kappiyampuliyur.

Thanking you

Your's sincierly

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF MECHANICAL ENGINEERING

## CIRCULAR

It is planned to conduct the value added course for the third and final year mechanical engineering students.The value added course is a certification course which are designed and offered by our mechanical department for the benefit of the students. Value added course will be conducted at free of cost and willingness of students.Students who are willing to attend the below mentioned course can enroll their names to the course coordinator.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | value added course on ANSYSFLUENT-CFO |
| Course code | VACMECH104 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 14.8.2020 to29.9.2020 |
| Timing | 5pm to 6 pm/online |
| Course Co-Ordinator | Mr.S.Ramamoorthy |
| Resource person | Dr.S.Dhanushkodi |
| Certificate | Yes |

**PRINCIPAL**

S. Dhanushkodi
HOD

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE

on

ANSYSFLUENT- CFO

**Department of Mech**

14.8.2020 to29.9.2020

**Time:**5 PM TO 6 PM

**Co-ordinator:**

Mr.S.Ramamoorthy

AP/Department of Mech

**Resource Person:**

Dr.S.Dhanushkodi

HOD/Departmentof Mech

**Organized by**

DEPARTMENT OF Mech

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- Ansys develops and markets engineering simulation software which is used to gain insights to make better decision faster design and improve products and system and optimize model-based workflows.

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

ON ANSYSFLUENT- CFO

14.8.2020 to 29.9.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**https://arec.addon.courses.signin

For more information contact

Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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**DEPARTMENT OF MECHANICAL ENGINEEEING**

**VALUE ADDED COURSE ON ANSYSFLUENT-CFO**

**DATE: 14.8.2020 to 29.9.2020** **TOTAL Hours: 31**

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction to Workbench Interface. Design Modeler | 14.8.2020 /17.08.2020/18.08.2020 19.08.2020/20.08.2020/24.08.2020 25.08.2020/26.08.2020 27.08.2020/28.08.2020 | |
| 2 | AnsysMeshing,Introductionto CPD , Solver Basics | | |
| 3 | Boundary conditions, Solver settings | | |
| 4 | Modeling Turbulent flows , Heat Transfer Modeling | | |
| 5 | Multiphase flows. Moving zones | | |
| 6 | UserDefinedFunctions | | |
| 7 | Menu Bar & Toolbars | | |
| 8 | The Navigation Pane | | |
| 9 | Task Pages | 29.08.2020/31.08.2020/1.09.2020 02.09.2020/03.09.2020/04.02.2020 05.09.2020/07.09.2020/08.09.2020 09.09.2020/10.09.2020 | 10 hrs |
| 10 | The Console | | |
| 11 | Boundary Conditions | | |
| 12 | Fluent in Workbench | | |
| 13 | Menu Bar & Toolbars | | |
| 14 | Problem Description | | |
| 15 | Creating a Fluent Fluid Flow Analysis System in ANSYS Workbench | | |
| 16 | Creating the Geometry in ANSYS DesignModeler | | |
| 17 | Meshing the Geometry in the ANSYS Meshing Application | | |
| 18 | Setting Up the CFD Simulation in ANSYS Fluent | 11.09.2020/12.09.2020/14.09.2020 15.09.2020/16.09.2020/17.09.2020 18.09.2020/19.09.2020 28.9.2020/29.9.2020 | 10 hrs |
| 19 | Displaying Results in ANSYS Fluent and CFD-Post | | |
| 20 | Duplicating the Fluent-Based Fluid Flow Analysis System | | |
| 21 | Changing the Geometry in ANSYS DesignModeler | | |
| 22 | Updating the Mesh in the ANSYS Meshing Application | | |
| 23 | Calculating a New Solution in ANSYS Fluent | | |
| 24 | Comparing the Results of Both Systems in CFD-Post | | |
| 25 | Simulation Physics & Boundary Conditions | | |
| 26 | Set Boundary Conditions | | |
| 27 | Set Operating Conditions | | |
| 28 | Set Solution Methods | | |
| | | TOTAL | 31 hrs |

ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON ANSYSFLUENT-CFO

**STUDENTS NAME LIST:[IV,III]** **DATE:14.8.2020 TO 29.9.2020**

| S.NO | REGISTER NUMBER | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420317114001 | ABINESH K | IV | |
| 2 | 420317114004 | ANBARASAN S | IV | |
| 3 | 420317114005 | ARUNKUMAR E | IV | |
| 4 | 420317114007 | BAKKIYALAKSHMI E | IV | |
| 5 | 420317114009 | BALASANKAR P | IV | |
| 6 | 420317114011 | BRAIN LARA L | IV | |
| 7 | 420317114012 | CHANDRU S | IV | |
| 8 | 420317114013 | DEENADHAYALAN A | IV | |
| 9 | 420317114015 | DHANANJEYAN S | IV | |
| 10 | 420317114016 | DHINAGARAN P | IV | |
| 11 | 420317114017 | DHINESH S | IV | |
| 12 | 420317114018 | DINAKARAN M | IV | |
| 13 | 420318114002 | AJITHKUMAR M | III | |
| 14 | 420318114003 | ARULKUMAR S | III | |

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| | | | | |
|---|---|---|---|---|
| 15 | 420318114006 | DINESHKUMAR M | III | M. Dineshkumar |
| 16 | 420318114007 | DINESHKUMAR V | III | V. Dineshkumar |
| 17 | 420318114009 | EZHILMULLAIARASU M | III | M. Ezhil |
| 18 | 420318114010 | GURUMOORTHI S | III | S. Gurumoorthi |
| 19 | 420318114015 | NIJANTHAN J | III | J. Nijanthan |
| 20 | 420318114017 | RAGURAMAN R | III | R. Raguraman |
| 21 | 420318114018 | RAJ A | III | A. Raj |
| 22 | 420318114019 | RAKESH R | III | R. Rakeshkumar |
| 23 | 420318114020 | RAMPRASATH D | III | D. Ramprasath |
| 24 | 420318114021 | RANGARAJAN R | III | R. Rangarajan |
| 25 | 420318114024 | UDHAYAKUMAR M | III | M. Udhayakumar |
| 26 | 420318114027 | VIGNESHWARAN M | III | M. Vigneshwaran |
| 27 | 420318114028 | YUVARAJ P | III | P. Yuvaraj |
| 28 | 420318114029 | YUVARAJ T | III | T. Yuvaraj |

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## DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON ANSYSFLUENT-CFO

**ATTENDENCE SHEET:[III,IV]** **DATE:14.8.2020 to 29.9.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 14.8.2020 | 17.8.2020 | 18.8.2020 | 19.8.2020 | 20.8.2020 | 24.8.2020 | 25.8.2020 | 26.8.2020 | 27.8.2020 | 28.8.2020 | 29.8.2020 | 31.8.2020 | 1.9.2020 | 2.9.2020 | 3.9.2020 |
| 1 | 420317114001 | ABINESH K | | | | | | | | | | | | | | | |
| 2 | 420317114004 | ANBARASAN S | | | | | | | | | | | | | | | |
| 3 | 420317114005 | ARUNKUMAR E | | | | | | | | | | | | | | | |
| 4 | 420317114007 | BAKKIYALAKSHMI E | | | | | | | | | | | | | | | |
| 5 | 420317114009 | BALASANKAR P | | | | | | | | | | | | | | | |
| 6 | 420317114011 | BRAIN LARA L | | | | | | | | | | | | | | | |
| 7 | 420317114012 | CHANDRU S | | | | | | | | | | | | | | | |
| 8 | 420317114013 | DEENADHAYALAN A | | | | | | | | | | | | | | | |
| 9 | 420317114015 | DHANANJEYAN S | | | | | | | | | | | | | | | |
| 10 | 420317114016 | DHINAGARAN P | | | | | | | | | | | | | | | |
| 11 | 420317114017 | DHINESH S | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 12 | 420317114018 | DINAKARAN M | |
| 13 | 420318114002 | AJITHKUMAR M | |
| 14 | 420318114003 | ARULKUMAR S | |
| 15 | 420318114006 | DINESHKUMAR M | |
| 16 | 420318114007 | DINESHKUMAR V | |
| 17 | 420318114009 | EZHILMULLAIARASU M | |
| 18 | 420318114010 | GURUMOORTHI S | |
| 19 | 420318114015 | NIJANTHAN J | |
| 20 | 420318114017 | RAGURAMAN R | |
| 21 | 420318114018 | RAJ A | |
| 22 | 420318114019 | RAKESH R | |
| 23 | 420318114020 | RAMPRASATH D | |
| 24 | 420318114021 | RANGARAJAN R | |
| 25 | 420318114024 | UDHAYAKUMAR M | |
| 26 | 420318114027 | VIGNESHWARAN M | |
| 27 | 420318114028 | YUVARAJ P | |
| 28 | 420318114029 | YUVARAJ T | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A.R.ENGINEERINGCOLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 4.9.2020 | 5.9.2020 | 7.9.2020 | 8.9.2020 | 9.9.2020 | 10.9.2020 | 11.9.2020 | 12.9.2020 | 14.9.2020 | 15.9.2020 | 16.9.2020 | 17.9.2020 | 18.9.2020 | 19.9.2020 | 28.9.2020 | 29.9.2020 |
| 1 | 420317114001 | ABINESH K | | | | | | | | | | | | | | | | |
| 2 | 420317114004 | ANBARASAN S | | | | | | | | | | | | | | | | |
| 3 | 420317114005 | ARUNKUMAR E | | | | | | | | | | | | | | | | |
| 4 | 420317114007 | BAKKIYALAKSHMI E | | | | | | | | | | | | | | | | |
| 5 | 420317114009 | BALASANKAR P | | | | | | | | | | | | | | | | |
| 6 | 420317114011 | BRAIN LARA L | | | | | | | | | | | | | | | | |
| 7 | 420317114012 | CHANDRU S | | | | | | | | | | | | | | | | |
| 8 | 420317114013 | DEENADHAYALAN A | | | | | | | | | | | | | | | | |
| 9 | 420317114015 | DHANANJEYAN S | | | | | | | | | | | | | | | | |
| 10 | 420317114016 | DHINAGARAN P | | | | | | | | | | | | | | | | |
| 11 | 420317114017 | DHINESH S | | | | | | | | | | | | | | | | |
| 12 | 420317114018 | DINAKARAN M | | | | | | | | | | | | | | | | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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KAPPIYAMPULIYUR POST
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| | | | |
|---|---|---|---|
| 13 | 420318114002 | AJITHKUMAR M | |
| 14 | 420318114003 | ARULKUMAR S | |
| 15 | 420318114006 | DINESHKUMAR M | |
| 16 | 420318114007 | DINESHKUMAR V | |
| 17 | 420318114009 | EZHILMULLAIARASU M | |
| 18 | 420318114010 | GURUMOORTHI S | |
| 19 | 420318114015 | NIJANTHAN J | |
| 20 | 420318114017 | RAGURAMAN R | |
| 21 | 420318114018 | RAJ A | |
| 22 | 420318114019 | RAKESH R | |
| 23 | 420318114020 | RAMPRASATH D | |
| 24 | 420318114021 | RANGARAJAN R | |
| 25 | 420318114024 | UDHAYAKUMAR M | |
| 26 | 420318114027 | VIGNESHWARAN M | |
| 27 | 420318114028 | YUVARAJ P | |
| 28 | 420318114029 | YUVARAJ T | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON ANSYSFLUENT-CFO

**STUDENTS ASSESMENT MARK LIST:[IV,III]** **DATE:14.8.2020 TO 29.9.2020**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420317114001 | ABINESH K | IV | 88 |
| 2 | 420317114004 | ANBARASAN S | IV | 71 |
| 3 | 420317114005 | ARUNKUMAR E | IV | 85 |
| 4 | 420317114007 | BAKKIYALAKSHMI E | IV | 72 |
| 5 | 420317114009 | BALASANKAR P | IV | 70 |
| 6 | 420317114011 | BRAIN LARA L | IV | 90 |
| 7 | 420317114012 | CHANDRU S | IV | 66 |
| 8 | 420317114013 | DEENADHAYALAN A | IV | 82 |
| 9 | 420317114015 | DHANANJEYAN S | IV | 70 |
| 10 | 420317114016 | DHINAGARAN P | IV | 90 |
| 11 | 420317114017 | DHINESH S | IV | 82 |
| 12 | 420317114018 | DINAKARAN M | IV | 75 |
| 13 | 420318114002 | AJITHKUMAR M | III | 68 |
| 14 | 420318114003 | ARULKUMAR S | III | 85 |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | | |
|---|---|---|---|---|
| 15 | 420318114006 | DINESHKUMAR M | III | 66 |
| 16 | 420318114007 | DINESHKUMAR V | III | 90 |
| 17 | 420318114009 | EZHILMULLAIARASU M | III | 82 |
| 18 | 420318114010 | GURUMOORTHI S | III | 91 |
| 19 | 420318114015 | NIJANTHAN J | III | 87 |
| 20 | 420318114017 | RAGURAMAN R | III | 65 |
| 21 | 420318114018 | RAJ A | III | 84 |
| 22 | 420318114019 | RAKESH R | III | 95 |
| 23 | 420318114020 | RAMPRASATH D | III | 77 |
| 24 | 420318114021 | RANGARAJAN R | III | 85 |
| 25 | 420318114024 | UDHAYAKUMAR M | III | 62 |
| 26 | 420318114027 | VIGNESHWARAN M | III | 68 |
| 27 | 420318114028 | YUVARAJ P | III | 88 |
| 28 | 420318114029 | YUVARAJ T | III | 80 |

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Vadakuchipalayam, Kappiyampuliyur post, Villupuram-605601, Tamilnadu.

DEPARTMENT OF MECHANICAL ENGINEERING

## VALUE ADDED COURSE ON ANSYSFLUENT-CFO

**STUDENTS ASSESMENT MARK LIST:[IV,III]** **DATE:14.8.2020 TO 29.9.2020**

| S.NO | REGISTER NUMBER | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420317114001 | ABINESH K | IV | 67 |
| 2 | 420317114004 | ANBARASAN S | IV | 88 |
| 3 | 420317114005 | ARUNKUMAR E | IV | 86 |
| 4 | 420317114007 | BAKKIYALAKSHMI E | IV | 95 |
| 5 | 420317114009 | BALASANKAR P | IV | 59 |
| 6 | 420317114011 | BRAIN LARA L | IV | 58 |
| 7 | 420317114012 | CHANDRU S | IV | 66 |
| 8 | 420317114013 | DEENADHAYALAN A | IV | 57 |
| 9 | 420317114015 | DHANANJEYAN S | IV | 58 |
| 10 | 420317114016 | DHINAGARAN P | IV | 85 |
| 11 | 420317114017 | DHINESH S | IV | 69 |
| 12 | 420317114018 | DINAKARAN M | IV | 58 |
| 13 | 420318114002 | AJITHKUMAR M | III | 95 |
| 14 | 420318114003 | ARULKUMAR S | III | 58 |

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| | | | | |
|---|---|---|---|---|
| 15 | 420318114006 | DINESHKUMAR M | III | 95 |
| 16 | 420318114007 | DINESHKUMAR V | III | 86 |
| 17 | 420318114009 | EZHILMULLAIARASU M | III | 82 |
| 18 | 420318114010 | GURUMOORTHI S | III | 85 |
| 19 | 420318114015 | NIJANTHAN J | III | 87 |
| 20 | 420318114017 | RAGURAMAN R | III | 65 |
| 21 | 420318114018 | RAJ A | III | 84 |
| 22 | 420318114019 | RAKESH R | III | 95 |
| 23 | 420318114020 | RAMPRASATH D | III | 77 |
| 24 | 420318114021 | RANGARAJAN R | III | 85 |
| 25 | 420318114024 | UDHAYAKUMAR M | III | 62 |
| 26 | 420318114027 | VIGNESHWARAN M | III | 68 |
| 27 | 420318114028 | YUVARAJ P | III | 88 |
| 28 | 420318114029 | YUVARAJ T | III | 80 |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | MECH |
| **Type of Event:** | VALUE ADDED COURSE |
| **Event Title:** | ANSYSFLUENT- CFO |
| **Date:** | 14.8.2020 to29.9.2020( 5 PM TO 6 PM) |
| **Venue :** | AREC |
| **Organizer:** | AREC–MECH |
| **Coordinator:** | Mr.S.Ramamoorthy |
| **Resource person:** | Dr.S.Dhanushkodi |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • This course elucidates concepts related to **ANSYSFLUENT-CFO**.The students will get hands• on experience in working with simulation of **ANSYSFLUENT-CFO**.<br>• Simulation and analysis using **ANSYSFLUENT-CFO**course conducted 14.08.2020 TO 29.09.2020 Total duration of **ANSYSFLUENT-CFO** course was 31 hours. Total 30 Students have attended the course.<br>• Resource person Dr.S.Dhanushkodi HOD /Mech has cover the basic of the **ANSYSFLUENT-CFO** they demonstrated each and every concept and also covered.Students really enjoyed the session and learnt a lot.Now 30students will be able to apply the concept in advanced application. |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....K.ABINESH.....has participated in the 31 days Value added course on "Ansys fluent-cfo"organized by the Department of MECH, A R Engineering college , held on 14.08.2020 TO 29.09.2020

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## PERMISSION LETTER
## DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENINGINEERING

**Date :24.3.2021**

**From**

The Hod
Department of ECE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB**: Permission to conduct value-add on Course.

**Respected Sir,**

As per the instruction from IQAC regarding add on course we have planned to conduct the add-on course for the II,III year ECE students from 09.04.2021 to 28.5.2021.

**Name of the Course** : Value added course on ARDUINO

**Course Co-ordinator**: MRS. LAKSHIMIDEVI P
Assistant professor Department of ECE
AR Engineering College
Kappiyampuliyur.

So kindly permit us to conduct the above course in online.

Thanking you,

Yours sincerly

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KARPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A.R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

**DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING**

## CIRCULAR

**Date:06.04.2021**

**SUB** :VALUE ADDED COURSE ON ARDUINO

It is planned to conduct the add-on course for the Second year Electronics and Communication Engineering students. The add-on courses are the certification course that is designed and offered by our department for the benefit of the students. Add-on courses will be conducted free of cost and the willingness of students. Students who are willing to attend the below the mentioned course can enrol their names to the course conductor.

COURSE DETAILS:

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON ARDUINO |
| Course code | VACECE103 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 09.04.2021 to 28.5.2021 |
| Timing | 5 pm to 6 pm |
| Course Co-Ordinator | MRS. LAKSHIMIDEVI P |
| Resource person | Mr.K.S.Krishnamoorthy |
| Certificate | Yes |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

**PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE

on

Arduino

Department of Ece

09.4.2021 to 28.5.2021

Time:05.00 pm to 06.00Pm

**Co-ordinator:**

MRS.

LakshimideviPAP/Department of ECE

**Resource Person:**

Mr.K.S.KrishnamoorthyHOD/Department of ECE

**Organized by**

DEPARTMENT OF Ece

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,

Villupuram 605 601

Opp: SIGA hr. sec school



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- Introduction to open source hardware community of development
- Knowledge about ardiuno hardware
- Interfacing to real time objects like communicating from mobile to computer connection in LAN

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

ON Arduino

09.4.2021 to 28.5.2021

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

**Registration Date**

For more information contact

Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

**DATE: 09.04.2021 to 28.5.2021** **TOTAL Hours: 30**

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | LEDS | 9.4.2021/10.4.2021/12.4.2021 13.4.2021/14.4.2021/15.4.2021 16.4.2021/17.4.2021/19.4.2021 20.4.2021 | 10 hrs |
| 2 | Push button- controlled led | | |
| 3 | Light dimmer,Bar graph | | |
| 4 | Disco strobe light | | |
| 5 | Plant monitor | | |
| 6 | Ghost director | | |
| 7 | SOUND | | |
| 8 | Arduino melody,Memory game | 21.4.2021/22.4.2021/23.4.2021 /24.4.2021/26.4.2021/27.4.2021 /28.4.2021/29.4.2021/30.4.2021 17.05.2021 | 10 hrs |
| 9 | Secrete knock lock | | |
| 10 | SERVOS | | |
| 11 | Joystick-controlled laser | | |
| 12 | Remote control servo | | |
| 13 | LCDS | | |
| 14 | Lcd screen writer,Weather station | | |
| 15 | Fortune teller,Reaction timer game | | |
| 16 | NUMERIC COUNTERS | | |
| 17 | Electronic die,Security | 18.05.2021/19.05.2021/20.05.2021 21.05.2021/22.05.2021/24.05.2021 25.05.2021/26.05.2021/27.05.2021 28.05.2021 | 10 hrs |
| 18 | Intruder sensor | | |
| 19 | Laser trip wire alarm | | |
| 20 | Sentry gun | | |
| 21 | Monitor sensor alarm | | |
| 22 | Keypad entry system | | |
| 23 | Wireless id card entry system | | |
| 24 | Advanced,Rainbow light show | | |
| 25 | Build your own Arduino | | |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING
## VALUE ADDED COURSE ON ARDUINO

**STUDENT NAME LIST :[I,II,III]** **DATE:09.04.2021 to 28.05.2021**

| SL.NO | Register No: | Students Name | Year | SIGNATURE |
|---|---|---|---|---|
| 1 | 420318106001 | BALAJI S | III | |
| 2 | 420318106002 | HARISHANKAR V | III | |
| 3 | 420318106004 | SHAKI P | III | |
| 4 | 420318106005 | SUVASRI S | III | |
| 5 | 420318106006 | VANISRI S | III | |
| 6 | 420319106001 | TAMILARASAN S | II | |
| 7 | 420319106002 | VINOTHINI V | II | |
| 8 | 420319106003 | SANTHOSH T | II | |
| 9 | 420310106301 | GOMATHI P | I | |
| 10 | 420310106302 | GURUNATHAN R | I | |
| 11 | 420310106303 | SHARMILA A | I | |
| 12 | 420310106304 | ISWARYA M | I | |
| 13 | 420310106305 | SNEKHA T | I | |

COURSE CO-ORDINATOR HOD PRINCIPAL

A.R. ENGINEERING COLLEGE
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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF ELECTRONICS AND COMMUNICTION ENGINEERING

## VALUE ADDED COURSE ON ARDUINO

**ATTENDENCE SHEET:[I,II,III]**

**DATE: 09.04.2021 to 28.05.2021**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 9.4.2021 | 10.4.2021 | 12.4.2021 | 13.4.2021 | 14.4.2021 | 15.4.2021 | 16.4.2021 | 17.4.2021 | 19.4.2021 | 20.4.2021 | 21.4.2021 | 22.4.2021 | 23.4.2021 | 24.4.2021 | 26.4.2021 |
| 1 | 420318106001 | BALAJI S | | | | | | | | | | | | | | | |
| 2 | 420318106002 | HARISHANKAR V | | | | | | | | | | | | | | | |
| 3 | 420318106004 | SHAKI P | | | | | | | | | | | | | | | |
| 4 | 420318106005 | SUVASRI S | | | | | | | | | | | | | | | |
| 5 | 420318106006 | VANISRI S | | | | | | | | | | | | | | | |
| 6 | 420319106001 | TAMILARASAN S | | | | | | | | | | | | | | | |
| 7 | 420319106002 | VINOTHINI V | | | | | | | | | | | | | | | |
| 8 | 420319106003 | SANTHOSH T | | | | | | | | | | | | | | | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | |
|---|---|---|---|
| 9 | 420310106301 | GOMATHI P | |
| 10 | 420310106302 | GURUNATHAN R | |
| 11 | 420310106303 | SHARMILA A | |
| 12 | 420310106304 | ISWARYA M | |
| 13 | 420310106305 | SNEKHA T | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 27.4.2021 | 28.4.2021 | 29.4.2021 | 30.4.2021 | 17.5.2021 | 18.5.21 | 19.5.2021 | 20.5.2021 | 21.5.2021 | 22.5.2021 | 24.5.2021 | 25.5.2021 | 26.5.2021 | 27.5.2021 | 28.5.2021 |
| 1 | 420318106001 | BALAJI S | | | | | | | | | | | | | | | |
| 2 | 420318106002 | HARISHANKAR V | | | | | | | | | | | | | | | |
| 3 | 420318106004 | SHAKI P | | | | | | | | | | | | | | | |
| 4 | 420318106005 | SUVASRI S | | | | | | | | | | | | | | | |
| 5 | 420318106006 | VANISRI S | | | | | | | | | | | | | | | |
| 6 | 420319106001 | TAMILARASAN S | | | | | | | | | | | | | | | |

A.R.ENGINEERING COLLEGE
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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 420319106002 | VINOTHINI V | | | | | | | | | | | | | | | |
| 8 | 420319106003 | SANTHOSH T | | | | | | | | | | | | | | | |
| 9 | 420310106301 | GOMATHI P | | | | | | | | | | | | | | | |
| 10 | 420310106302 | GURUNATHAN R | | | | | | | | | | | | | | | |
| 11 | 420310106303 | SHARMILA A | | | | | | | | | | | | | | | |
| 12 | 420310106304 | ISWARYA M | | | | | | | | | | | | | | | |
| 13 | 420310106305 | SNEKHA T | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R. PANNEERDHASS, M.E., Ph.D.,
PRINCIPAL
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DEPARTMENT OF ELECTRONICS AND COMMUNICTION

**ENGINEERING**

VALUE ADDED COURSE ON ARDUINO

**STUDENT ASSESMENT MARK LIST :[I,II,III]** **DATE:09.04.2021 to 28.05.2021**

| SL.NO | Register No: | Students Name | Year | MARKS |
|---|---|---|---|---|
| 1 | 420318106001 | BALAJI S | III | 88 |
| 2 | 420318106002 | HARISHANKAR V | III | 95 |
| 3 | 420318106004 | SHAKI P | III | 92 |
| 4 | 420318106005 | SUVASRI S | III | 81 |
| 5 | 420318106006 | VANISRI S | III | 72 |
| 6 | 420319106001 | TAMILARASAN S | II | 70 |
| 7 | 420319106002 | VINOTHINI V | II | 85 |
| 8 | 420319106003 | SANTHOSH T | II | 88 |
| 9 | 420310106301 | GOMATHI P | I | 67 |
| 10 | 420310106302 | GURUNATHAN R | I | 69 |
| 11 | 420310106303 | SHARMILA A | I | 63 |
| 12 | 420310106304 | ISWARYA M | I | 90 |
| 13 | 420310106305 | SNEKHA T | I | 59 |

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DEPARTMENT OF ELECTRONICS AND COMMUNICTION

**ENGINEERING**

VALUE ADDED COURSE ON ARDUINO

**STUDENT ASSESMENT MARK LIST :[I,II,III]** **DATE:09.04.2021 to 28.05.2021**

| SL.NO | Register No: | Students Name | Year | MARKS |
|---|---|---|---|---|
| 1 | 420318106001 | BALAJI S | III | 66 |
| 2 | 420318106002 | HARISHANKAR V | III | 89 |
| 3 | 420318106004 | SHAKI P | III | 45 |
| 4 | 420318106005 | SUVASRI S | III | 48 |
| 5 | 420318106006 | VANISRI S | III | 84 |
| 6 | 420319106001 | TAMILARASAN S | II | 69 |
| 7 | 420319106002 | VINOTHINI V | II | 60 |
| 8 | 420319106003 | SANTHOSH T | II | 96 |
| 9 | 420310106301 | GOMATHI P | I | 60 |
| 10 | 420310106302 | GURUNATHAN R | I | 70 |
| 11 | 420310106303 | SHARMILA A | I | 63 |
| 12 | 420310106304 | ISWARYA M | I | 59 |
| 13 | 420310106305 | SNEKHA T | I | 60 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | ECE |
| **Type of Event:** | Value added course |
| **Event Title:** | Arduino |
| **Date & Time:** | 09.4.2021 to 28.5.2021(5 pm to 6 pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–ECE |
| **Coordinator:** | MRS. LAKSHIMIDEVI P |
| **Resource person** | Mr.K.S.Krishnamoorthy |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | The value added course started with 13 participants on 09.4.2021 to 28.5.2021 at 5pm with welcome address and introduction by the co-ordinator MRS. LAKSHIMIDEVI P **AP/ECE,AREC.**<br>• Resource person Mr.K.S.Krishnamoorthy **HOD of ECE** has cover the basic of the ValueAdded Course on Arduino and they demonstrated each and every concept.<br>• The students will get hands on experience in working Arduino.Students really enjoyed the session and learnt a lot. Now **13 students** will be able to apply theconcept and its application. |

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This is to certify that Mr./Ms .....SHAKI.P.....has participated in the 30 days Value added course on "Arduino"organized by the Department of ECE, A R Engineering college , held on 09.04.2021 TO 28.05.2021

HOD

PRINCIPAL

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PRINCIPAL
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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
## PERMISSION LETTER

**From**

The Hod
Department of EEE
AR Engineering college
Kappiyampuliyur

**TO**

The principal
AR Engineering college
Kappiyampuliyur

**SUB**: Certificate Program-Basic Electrical and Electronics Components.

**Respected Sir,**

We are planning to conduct Certificate course on" **Basic Electrical and Electronic components**" on 09.04.2021 TO 28.05.2021.we request you to grant permission for the same.

**Name of the Course:Basic Electrical and Electronics Components**

**Course Coordinator** :Mr.S.Udhayakumar
Assistant professor of EEE
AR Engineering College
Kappiyampuliyur

Thanking you

Your's sincerely

A. R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING CIRCULAR

It is informed that Department of Electrical and Electronics Engineering has planned to organize a five day Certificate Course on **"Basic Electrical and Electronics Components "** in our college premises to enhance the practical Knowledge of the students. Hence,the IV Year Students of the Department are cordially invited.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on Basic Electrical and Electronics Components |
| Course code | VACEEE105 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 09.04.2021 TO 28.05.2021 |
| Timing | 5 PM TO 6 PM/ONLINE |
| Course Co-Ordinator | Mr.S.Udhayakumar |
| Resource person | Mr.A.Chandrasekaran |
| Certificate | Yes |

PRINCIPAL

A. Chandrasekaran.

HOD

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**A.R ENGINEERING COLLEGE**

"VALUE ADDED COURSE

on

**BasicElectricalandElectronics Components"**

Department of EEE

09.4.2021 to 28.05.2021

Time: 5 pm to 6 Pm

**Co-ordinator:**

Mr.S.UdhayakumarAP/Department of EEE

**Resource Person:**

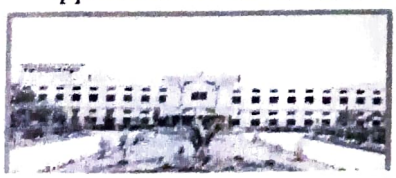
Mr.A.ChandrasekaranHOD/Department of EE

**Organized by**

DEPARTMENT OF EEE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- To learning about basic electrical and electronics componentetypically includes understanding their function,properties and how to use them in cicuits
- This knowledge forms the foundation for building and troubleshooting electronic devices and systems

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

**ON Basic Electrical and Electronics Components**

09.4.2021 to 28.05.2021

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**https://arec.addon.co/gnin

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
## VALUE ADDED COURSE ON BASIC ELECTRICAL AND ELECTRONIC COMPONENTS

DATE: 09.04.2021 TO 28.05.2021 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | To gain knowledge on Electronics components (Diodes, Transistors.FET,UJT,SCR, TRIAC, DIAC,IGBT, LED, LCD and Seven Segment Display). | 9.4.2021/10.4.2021/12.4.2021 13.4.2021/14.4.2021/15.4.2021 16.4.2021/17.4.2021/19.4.2021 20.4.2021 | 10 hrs |
| 2 | To gain knowledge on Electrical Safety. | | |
| 3 | To gain knowledge on Motors,Generators & Starters. | | |
| 4 | Understanding Concepts of Current,Voltage,Power Factor &Power, Ohms Law Kirchhoffs laws | | |
| 5 | Understanding AC & DC Curnent & Voltage. Concept of Line &Neutral, Concept of 1-ph (L-N) & 3- ph (RYB - N) | | |
| 6 | Using Push Buttons.Indicating Lamps, Selector/Key Switches | 21.4.2021/22.4.2021/23.4.2021 /24.4.2021/26.4.2021/27.4.2021 /28.4.2021/29.4.2021/30.4.2021 17.05.2021 | 10hrs |
| 7 | Understanding Transformers (CT/PT), Voltmeter,Ammeter | | |
| 8 | Energymeter,Terminal Blocks & Din Rails | | |
| 9 | Understanding Electrical Circuits (Series/Parallel) | | |
| 10 | Understanding Concept of Relays and Contactors(NO/NC) | | |
| 11 | Using Shielded & Unshielded Cables, Cable Gauges & AWG sizes | 18.05.2021/19.05.2021/20.05.2021 21.05.2021/22.05.2021/24.05.2021 25.05.2021/26.05.2021/27.05.2021 28.05.2021 | 10 hrs |
| 12 | Using Star & Delta Connections, Bus Bars. | | |
| 13 | To gain knowledge on Electronics components (Diodes, Transistors. FET,UJT,SCR, TRIAC, DIAC,IGBT, LED, LCD and Seven Segment Display). | | |
| 14 | To gain knowledge on Electrical Safety. | | |
| | | TOTAL | 30 hrs |

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# A. K. ENGINEERING COLLEGE

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## DEPARTMENT OF EEE

## CERTIFICATE COURSE ON BASICELECTRICAL AND ELECTRONIC COMPONENTS

**STUDENT NAME LIST:[I,II,III]** **Date:09.04.2021 to 28.05.2021**

| SL.NO: | REG.NO: | NAME | YEAR | SIGNATURE |
|---|---|---|---|---|
| 1 | 420318105001 | DHARANEESHKUMAR.R | III | |
| 2 | 420318105002 | GAYATHRI M | III | |
| 3 | 420319105301 | BALAKRISHNAN V | II | |
| 4 | 420319105302 | KRISHNARAJ R | II | |
| 5 | 420319105303 | LASARVIJAY B | II | |
| 6 | 420319105303 | SRIDEVI.S | I | |
| 7 | 420319105303 | KARTHIGA R | I | |
| 8 | 420319105303 | SUGANTHI P | I | |
| 9 | 420319105303 | RANJANI S | I | |
| 10 | 420319105303 | ELAVARASAN A | I | |
| 11 | 420319105303 | MURALIDAS M | I | |
| 12 | 420319105303 | SUGANRAJ S | I | |
| 13 | 420319105303 | BHUVANESWARI .K | I | |

**COURSE CO-ORDINATOR** **HOD** **PRINCIPAL**

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANDI

A.R.ENGINEERING COLLEGE
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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF EEE

## CERTIFICATE COURSE ON BASIC ELECTRICAL AND ELECTRONIC COMPONENTS

**ATTENDENCE SHEET :[I,II,III]** **DATE:09.04.2021 to 28.05.2021**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 9.4.2021 | 10.4.2021 | 12.4.2021 | 13.4.2021 | 14.4.2021 | 15.4.2021 | 16.4.2021 | 17.4.2021 | 19.4.2021 | 20.4.2021 | 21.4.2021 | 22.4.2021 | 23.4.2021 | 24.4.2021 | 26.4.2021 |
| 1 | 420318105001 | DHARANEESHKUMAR.R | | | | | | | | | | | | | | | |
| 2 | 420318105002 | GAYATHRI M | | | | | | | | | | | | | | | |
| 3 | 420319105301 | BALAKRISHNAN V | | | | | | | | | | | | | | | |
| 4 | 420319105302 | KRISHNARAJ R | | | | | | | | | | | | | | | |
| 5 | 420319105303 | LASARVIJAY B | | | | | | | | | | | | | | | |
| 6 | 420319105303 | SRIDEVI.S | | | | | | | | | | | | | | | |
| 7 | 420319105303 | KARTHIGA R | | | | | | | | | | | | | | | |
| 8 | 420319105303 | SUGANTHI P | | | | | | | | | | | | | | | |
| 9 | 420319105303 | RANJANI S | | | | | | | | | | | | | | | |
| 10 | 420319105303 | ELAVARASAN A | | | | | | | | | | | | | | | |

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VILLUPURAM-605 601.

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 420319105303 | MURALIDAS M | | | | | | | | | | | | | | |
| 12 | 420319105303 | SUGANRAJ S | | | | | | | | | | | | | | |
| 13 | 420319105303 | BHUVANESWARI .K | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 27.4.2021 | 28.4.2021 | 29.4.2021 | 30.4.2021 | 17.5.2021 | 18.5.2021 | 19.5.2021 | 20.5.2021 | 21.5.2021 | 22.5.2021 | 24.5.2021 | 25.5.2021 | 26.5.2021 | 27.5.2021 | 28.5.2021 |
| 1 | 420318105001 | DHARANEESHKUMAR.R | | | | | | | | | | | | | | | |
| 2 | 420318105002 | GAYATHRI M | | | | | | | | | | | | | | | |
| 3 | 420319105301 | BALAKRISHNAN V | | | | | | | | | | | | | | | |
| 4 | 420319105302 | KRISHNARAJ R | | | | | | | | | | | | | | | |
| 5 | 420319105303 | LASARVIJAY B | | | | | | | | | | | | | | | |
| 6 | 420319105303 | SRIDEVI.S | | | | | | | | | | | | | | | |
| 7 | 420319105303 | KARTHIGA R | | | | | | | | | | | | | | | |
| 8 | 420319105303 | SUGANTHI P | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 9 | 420319105303 | RANJANI S | |
| 10 | 420319105303 | ELAVARASAN A | |
| 11 | 420319105303 | MURALIDAS M | |
| 12 | 420319105303 | SUGANRAJ S | |
| 13 | 420319105303 | BHUVANESWARI .K | |

**COURSE CO-ORDINATOR**

**HOD**

**PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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DEPARTMENT OF EEE

## CERTIFICATE COURSE ON BASICELECTRICAL AND ELECTRONIC COMPONENTS

**STUDENT ASSESMENT MARK LIST:[I,II,III]** **Date:09.04.2021 to 28.05.2021**

| SL.NO: | REG.NO: | NAME | YEAR | MARKS |
|---|---|---|---|---|
| 1 | 420318105001 | DHARANEESHKUMAR.R | III | 82 |
| 2 | 420318105002 | GAYATHRI M | III | 95 |
| 3 | 420319105301 | BALAKRISHNAN V | II | 75 |
| 4 | 420319105302 | KRISHNARAJ R | II | 96 |
| 5 | 420319105303 | LASARVIJAY B | II | 88 |
| 6 | 420319105303 | SRIDEVI.S | I | 99 |
| 7 | 420319105303 | KARTHIGA R | I | 82 |
| 8 | 420319105303 | SUGANTHI P | I | 87 |
| 9 | 420319105303 | RANJANI S | I | 62 |
| 10 | 420319105303 | ELAVARASAN A | I | 65 |
| 11 | 420319105303 | MURALIDAS M | I | 78 |
| 12 | 420319105303 | SUGANRAJ S | I | 85 |
| 13 | 420319105303 | BHUVANESWARI .K | I | 65 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | EEE |
| **Type of Event:** | Certificate course |
| **Event Title:** | **Basic Electrical and Electronics Components** |
| **Date:** | 09.4.2021 to 28.05.2021/ONLINE |
| **Venue :** | AREC |
| **Organizer:** | AREC–EEE |
| **Coordinator:** | Mr.S.Udhayakumar |
| **Resource person:** | Mr.A.Chandrasekaran |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • BEEC course conducted from 09.4.2021 to 28.05.2021.Total Duration of the course was 30Hrs .Total13 students have attended the course<br>• The Resource person Mr.A.Chandrasekaran have covered the above topic completely.Students really enjoyed the session and learnt a lot.Now 13 students will be able to apply the concepts in advanced applications and organizers. |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A R ENGINEERING COLLEGE

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....GAYATHRI.M.....has participated in the 30 days Certificate course on "Basic Electrical and Electronics components"organized by the Department of EEE, A R Engineering college , held on 09.04.2021 TO 28.05.2021

HOD

PRINCIPAL

A R ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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VADAKUCHIPALAYAM.
KAPPIYAMPULIYUR P.O.
VILLUPURAM-605 601.

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## DEPARTMENT OF SCIENCE AND HUMANITIES

## PERMISSION LETTER

From

The Hod
Department of S&H
AR Engineering college
Kappiyampuliyur

TO

The principal
AR Engineering college
Kappiyampuliyur

**SUB**:Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct Value added course on"Certificate Program-DEEP LEARNING" on 09.4.2021 to 29.05.2021.we request you to grant permission for the same.

**Name of the Course :**Certificate Program-DEEP LEARNING

**Course Co-ordinator :** Ms.E.Ranjani
Assistant professor Department of S&H
AR Engineering College
kappiyampuliyur

Thanking you

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Your's sincerely

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CIRCULAR

**SUB:** Certificate Programme for Deep Learning

It is planned to conduct the add-on course for the I-year Information Technology students.The add-on courses are the certification course that is designed and offered by our department for the benefit of the students. Add-on courses will be conducted free of cost and the willingness of students. Students who are willing to attend the below mentioned course can students enroll their names to the course co-ordinator.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Certificate Program-DEEPLEARNING |
| Course code | VACS&H106 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 09.4.2021 to 29.05.2021 |
| Timing | 5 pm to 6 pm |
| Course Co-Ordinator | Ms.E.Ranjani |
| Resource person | Dr.R.ELILARASI |
| Certificate | Yes |

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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KAPPIYAMPULIYUR POST,
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**A.R ENGINEERING COLLEGE**

"VALUE ADDED COURSE on Deep Learning"

Department of S&H

09.4.2021 to 29.05.2021

Time:5 PM TO 6 PM

**Co-ordinator:**

Ms.E.Ranjani

AP/Department of S&H

**Resource Person:**

Dr.R.Ellarasi

HOD/Department of S&H

**Organized by**

DEPARTMENT OF S&H

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- Introduction to Deep Learing, Bayesian Learning, Decision Surfaces,
- Linear Classifiers, Linear Machines with Hinge Loss,
- Introduction to Neural Network, Multilayer Perceptron, Back Propagation Learning,
- Unsupervised Learning with Deep Network, Auto encoders

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

ON Deep Learning

09.4.2021 to 29.05.2021

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant

Date:

Place:

**Registrationlink:**

**Registration Date**

For more information contact

Course coordinator,9159166467

A.R ENGINEERING COLLEGE VILLUPURAM

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF SCIENCE AND HUMANITIES

### VALUE ADDED COURSE ON DEEP LEARNING

Date:09.04.2021 to 29.05.2021

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction to Deep Learning.Bayesian Learning. Decision Surfaces | 9.4.2021 10.4.2021 12.4.2021 13.4.2021 14.4.2021 16.4.2021 16.4.2021 17.4.2021 19.4.2021 20.4.2021 | 10 hrs |
| 2 | Linear Classifiers. Linear Machines with Hinge Loss Optimization Techniques.Gradient Descent.BatchOptimization | | |
| 3 | Introduction to Neural Network. Multilayer Perceptron. Back Propagation Learning | | |
| 4 | Introduction to Deep Learning. Bayesian Learning. Decision Surfaces. | | |
| 5 | Convolutional Neural Network. Building blocks of CNN.Transfer Learning | | |
| 6 | Introduction to Neural Network. Multilayer Perceptron.Back Propagation Learning | 21.4.2021 22.4.2021 23.4.2021 24.4.2021 26.4.2021 27.4.2021 28.4.2021 29.4.2021 30.4.2021 1.5.2021 | 10 hrs |
| 7 | Unsupervised Learning with Deep Network. Auto encoders. | | |
| 8 | Convolutional Neural Network. Building blocks of CNN.Transfer Learning | | |
| 9 | Introduction to Deep Learning. Bayesian Learning. Decision Surfaces. LSTM Networks | | |
| 10 | Generative Modelling with DL.Variational Auto encoder. Generative Adversarial Network Revisiting Gradient Descent. Momentum Optimizer. RMSProp. Adam | | |
| 11 | Classical Supervised Tasks with Deep Learning. Image Denoising. Semantical Segmentation. Object Detection etc. | | |
| 12 | Linear Classifiers. Linear Machines with Hinge Loss | 18.05.2021 19.05.2021 20.05.2021 21.05.2021 22.05.2021 24.05.2021 25.05.2021 26.05.2021 27.05.2021 28.05.2021 29.05.2021 | 10 hrs |
| 13 | Introduction to Neural Network. Multilayer Perceptron. Back Propagation Learning | | |
| 14 | Unsupervised Learning with Deep Network. Auto encoders. | | |

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VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 15 | Introduction to Deep Learing, Bayesian Learning,Decision Surfaces. | | |
| 16 | Linear Classifiers, Linear Machines with Hinge Loss. | | |
| 17 | Introduction to Neural Network, Multi layer Perceptron, Back Propagation Learning. | | |
| 18 | Unsupervised Learning with Deep Network, Auto encoders. | | |
| | | TOTAL | 31 hrs |

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## DEPARTMENT OF SCIENCE AND HUMANITIES

## CERTIFICATE PROGRAMME ON DEEP LEARNING

**STUDENTS NAME LIST:[I-Year]** **DATE: 09.04.2021 to 28.05.2021**

| Sl.no: | Name | Year | SIGNATURE |
|---|---|---|---|
| 1 | ANITHA.T | I | |
| 2 | BHUVANESHWARI.A | I | |
| 3 | DEEPIKA S | I | |
| 4 | DESIYA.E | I | |
| 5 | DEVI R | I | |
| 6 | JANANI.R | I | |
| 7 | KIRUTHIKA N | I | |
| 8 | MAYILI A | I | |
| 9 | NARMATHA.S | I | |
| 10 | NAVEEN.R | I | |
| 11 | PRAKASH.M | I | |
| 12 | SELVI R | I | |
| 13 | STEEPEN JERO | I | |
| 14 | SUGUMAR.S | I | |
| 15 | SURENDAR.G | I | |
| 16 | ABINASH H | I | |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 17 | ELANGO S | I | |
| 18 | NISHANTH S | I | |
| 19 | PHILOMIN DASS G | I | |
| 20 | RAJADURAI K | I | |
| 21 | ROHITH A | I | |
| 22 | SANJAI K | I | |
| 23 | SURENDIRAN S | I | |
| 24 | UDHAYASURYA S | I | |
| 25 | VEERAPPAN T | I | |
| 26 | CHANDRU.S | I | |
| 27 | RAGHUL R | I | |
| 28 | SRIDEVI.S | I | |
| 29 | KARTHIGA R | I | |
| 30 | SUGANTHI P | I | |
| 31 | RANJANI S | I | |
| 32 | ELAVARASAN A | I | |
| 33 | MURALIDAS M | I | |
| 34 | SUGANRAJ S | I | |
| 35 | BHUVANESWARI .K | I | |
| 36 | GOMATHI P | I | |

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Dr.R.PARTHASARATHY M.E., Ph.D.,
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 37 | GURUNATHAN R | I | Gurunathan.R |
| 38 | SHARMILA A | I | Sharmila.A |
| 39 | ISWARYA M | I | Iswarya.M |
| 40 | SNEKHA T | I | SNEKHA.T |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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DEPARTMENT OF SCIENCE AND HUMANITIES

## CERTIFICATE PROGRAMME ON DEEP LEARNING

**STUDENTS ASSESMENT MARK LIST:[I-Year]** **DATE: 09.04.2021 to 28.05.2021**

| Sl.no: | Name | Year | MARKS |
|---|---|---|---|
| 1 | ANITHA.T | I | 86 |
| 2 | BHUVANESHWARI.A | I | 75 |
| 3 | DEEPIKA S | I | 98 |
| 4 | DESIYA.E | I | 85 |
| 5 | DEVI R | I | 75 |
| 6 | JANANI.R | I | 85 |
| 7 | KIRUTHIKA N | I | 90 |
| 8 | MAYILI A | I | 77 |
| 9 | NARMATHA.S | I | 80 |
| 10 | NAVEEN.R | I | 72 |
| 11 | PRAKASH.M | I | 98 |
| 12 | SELVI R | I | 67 |
| 13 | STEEPEN JERO | I | 95 |
| 14 | SUGUMAR.S | I | 65 |
| 15 | SURENDAR.G | I | 82 |
| 16 | ABINASH H | I | 74 |
| 17 | ELANGO S | I | 80 |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 18 | NISHANTH S | I | 65 |
| 19 | PHILOMIN DASS G | I | 72 |
| 20 | RAJADURAI K | I | 88 |
| 21 | ROHITH A | I | 96 |
| 22 | SANJAI K | I | 68 |
| 23 | SURENDIRAN S | I | 85 |
| 24 | UDHAYASURYA S | I | 66 |
| 25 | VEERAPPAN T | I | 95 |
| 26 | CHANDRU.S | I | 68 |
| 27 | RAGHUL R | I | 78 |
| 28 | SRIDEVI.S | I | 98 |
| 29 | KARTHIGA R | I | 82 |
| 30 | SUGANTHI P | I | 68 |
| 31 | RANJANI S | I | 95 |
| 32 | ELAVARASAN A | I | 85 |
| 33 | MURALIDAS M | I | 64 |
| 34 | SUGANRAJ S | I | 75 |
| 35 | BHUVANESWARI .K | I | 69 |
| 36 | GOMATHI P | I | 85 |
| 37 | GURUNATHAN R | I | 98 |

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Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 38 | SHARMILA A | I | 65 |
| 39 | ISWARYA M | I | 95 |
| 40 | SNEKHA T | I | 63 |

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Dr.R.PANNEERDHASS,M.E.,Ph D.,
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# A. R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost, Villupuram-605601, Tamilnadu.

## ONE PAGE-REPORT

| | |
|---|---|
| **Department:** | S&H |
| **Type of Event:** | Certificate course |
| **Event Title:** | Deep Learning |
| **Date & Time:** | 09.4.2021 to 29.05.2021(5 PM TO 6 PM) |
| **Venue :** | AREC |
| **Organizer:** | AREC–S&H |
| **Coordinator:** | Ms.E.Ranjani |
| **Resource person** | Dr.R.Elilarasi |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | The value added course started with 40 participants on 09.4.2021 to 29.05.2021 5 PM with welcome Address and introduction by the co-ordinator **Ms.E.Ranjani,AP/CSE,AREC.**<br>• Resource person Dr.R.ELILARASIHOD of CSE has cover the basic of the **Deep learning** and they demonstrated each and every concept.<br>• The students will get handson experience in working with **Deep learning** Students really enjoyed the session and learnt a lot. Now **40 students** will be able to apply the concept and its application. |

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Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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This is to certify that Mr./Ms ..... SHARMILA.A. .....has participated in the 31 days Certificate course on "Deep Learning"organized by the Department of EEE, A R Engineering college , held on 09.04.2021 TO 29.05.2021

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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# ACADEMIC YEAR

# 2019 - 2020

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

**ACADEMIC YEAR (2019-2020)**

| l. | Name of Add on /Certificate programs offered | Course code | Department | Year of offering | No of times offered during the same year | Date and year | Duration of course | No of students enrolled | No of student comple ing th course in the year |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Value-added course on undamental of Building Orientation & Green | VACIVIL101 | CIVIL | IV | 1 | 11.07.2019 TO 26.08.2019 | 30 | 13 | 13 |
| 2 | Value-added course on Sustainable Transportation Systems | VACIVIL102 | CIVIL | II,III | 1 | 11.07.2019 TO 24.08.2019 | 30 | 24 | 24 |
| 3 | Certificate course on Refrigiration and air conditioning | VACEEE 103 | EEE | III | 1 | 11.07.2019 TO 24.08.2019 | 30 | 20 | 20 |
| 4 | Certificate program on Industrial safety | VACEE 104 | EEE | IV | 1 | 21.01.2020 TO 01.03.2020 | 30 | 10 | 10 |
| 5 | Value added course on robotics | VACCSE 105 | CSE | I,II | 1 | 21.01.2020 TO 01.03.2020 | 30 | 18 | 18 |
| 6 | Value added course on modern sensor technology | VACECE106 | ECE | II,III | 1 | 21.01.2020 TO 01.03.2020 | 30 | 17 | 17 |
| 7 | Value added course on electric vehicle | VACMECH107 | MECH | II | 1 | 21.01.2020 TO 02.03.2020 | 31 | 49 | 49 |

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VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CIVIL

## PERMISSION LETTER

**FROM** **Date:05.07.2019**

The HOD
Departmentof Civil
AR Engineering college
Kappiyampuliyur.

**TO**

The principal

AR Engineering college
Kappiyampuliyur.

**SUB** :Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "**Value-added course on Fundamental of Building Orientation & Green**" on 11.07.2019 to 26.08.2019. We request you to grant permission for the same.

**Name of the Course:** Fundamental of Building Orientation &Green

**Course-Coordinator :**Ms.K.Pavithra

Assistant professor/Department of Civil

AR Engineering College

Kappiyampuliyur.

Thanking you

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Your's sincierly

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CIVIL

## CIRCULAR

**Date:08.07.2019**

The department of Civil Engineering has planned to conduct a value added course on "**Fundamental of Building Orientation & Green**" for civil students from 11.07.2019 to 26.08.2019.All the IV year students are asked to attend the course.

COURSE DETAILS:

| | |
|---|---|
| Course title | Value added course on fundamental of building orientation &green |
| Course code | VACIVIL101 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 11.07.2019 to 26.08.2019 |
| Timing | 05PM TO 6PM |
| Course Co-Ordinator | Ms.K.Pavithra |
| Resource person | Mr.B.Anandhakumar |
| Certificate | Yes |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

**PRINCIPAL**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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**A.R ENGINEERING COLLEGE**
**"VALUE ADDED COURSE on FUNDAMENTAL OF BUILDING ORIENTATION &GREEN"**
**Department of CIVIL**
11.07.2019 to 26.08.2019
**Time:**05.00 pm to06 .00 Pm

**Co-ordinator:**
Ms.K.Pavithra
AP/Department of CIVIL

**Resource Person:**
Mr.B.Anandhakumar
HOD/Department ofCIVIL

**Organized by**
DEPARTMENT OF CIVIL
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



**ELIGIBILITY&REGISTRATION**

**No registration fee.**

There is no Registration fee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**
E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- To reduce the overall impact of The built environment on human and the natural environment by efficiency using energy,water and other.

**A.R ENGINEERING COLLEGE**
**VALUE ADDED COURSE**
**ON FUNDAMENTAL OF BUILDING ORIENTATION & GREEN**
11.07.2019 to 26.08.2019
Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.course...signin

For more information contact

Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CIVIL

**VALUE ADDED COURSE ON FUNDAMENTAL OF BUILDING ORIENTATION & GREEN**

**DATE:** 11.07.2019 to 26.08.2019 **TOTAL Hours:31hrs**

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOURS |
|---|---|---|---|
| 1 | Fundamentals of layout design and orientation | 11.07.2019 | 1hr |
| 2 | Process of design | 12.07.2019 | 1hr |
| 3 | Internallay out & circulation | 13.07.2019 | 1hr |
| 4 | Orientation of building | 15.07.2019/16.07.2019 | 2hr |
| 5 | Housing and semi public buildings | 17.07.2019/18.07.2019 | 2hr |
| 6 | Housing | 19.07.2019 | 1hr |
| 7 | Infrastructure required for large scale housing | 20.07.2019 | 1hr |
| 8 | Development of a residential unit | 22.07.2019/23.07.2019 | 2hr |
| 9 | Development of a layout | 24.07.2019 | 1hr |
| 10 | Buildings for semi public use | 25.07.2019 | 1hr |
| 11 | Public buildings | 26.07.2019 | 1hr |
| 12 | Types of public buildings | 27.07.2019 | 1hr |
| 13 | Land scaping | 05.08.2019 | 1hr |
| 14 | Green building | 06.08.2019 | 1hr |
| 15 | Introduction | 07.08.2019 | 1hr |
| 16 | Green building: Global and local perspective | 08.08.2019 | 1hr |
| 17 | Green building | 07.08.2019 | 1hr |
| 18 | Benefits from green building | 09.08.2019 | 1hr |
| 19 | Cost of going green | 10.08.2019 | 1hr |
| 20 | Strategies for green building | 13.08.2019 | 1hr |
| 21 | The Indian scene | 14.08.2019 | 1hr |
| 22 | Public buildings | 16.08.2019 | 1hr |
| 23 | Types of public buildings | 17.08.2019 | 1hr |
| 24 | Land scaping | 19.08.2019 | 1hr |
| 25 | Green building | 20.08.2019 | 1hr |
| 26 | Introduction | 21.08.2019 | 1hr |
| 27 | Green building:Global and local perspective | 22.08.2019 | 1hr |
| 29 | Benefits from green building | 24.08.2019 | 1hr |
| 30 | Cost of going green/ Strategies for green building | 26.08.2019 | 1hr |
| | | TOTAL | 31 hrs |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601



Dr.R.PANNEERDHASS,M.E.,Ph D.,
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CIVIL

## FUNDAMENTAL OF BUILDING ORIENTATION & GREEN

**STUDENTS NAME LIST IV- YEAR:** **DATE:11.07.2019 TO 26.8.2019**

| Sl.No. | REG NO | NAME OF THE STUDENT | SIGNATURE |
|---|---|---|---|
| 1 | 420316103005 | NAVEEN KRISHNA K G | |
| 2 | 420316103006 | POOVARASAN A | |
| 3 | 420316103007 | RAJIVGANDHI R | |
| 4 | 420316103008 | RAMKI R | |
| 5 | 420316103010 | SANTHOSH KUMAR P | |
| 6 | 420316103011 | SARANYA R | |
| 7 | 420316103013 | VEERAMANI KANDAN M | |
| 8 | 420316103014 | VIDHYABARATHY R | |
| 9 | 420316103015 | VIGNESH R | |
| 10 | 420316103016 | | |

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| | | | |
|---|---|---|---|
| 10 | | VINODHA R | R. VINODHA. |
| 11 | 420316103301 | ILAMPARITHI K | Ilamparithi. K. |
| 12 | 420316103302 | KALAIYARASAN M | M. Kalaiyarasan. |
| 13 | 420316103303 | SAKTHI S | Sakthi. S. |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.
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## DEPARTMENT OF CIVIL

## FUNDAMENTAL OF BUILDING ORIENTATION & GREEN

**ATTENDENCE SHEET FOR IV- YEAR:** **DATE:11.7.2019 to 26.8.2019**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 11.7. 2019 | 12.7. 2019 | 13.7. 2019 | 15.7. 2019 | 16.7. 2019 | 17.7.2 019 | 18.7. 2019 | 19.7. 2019 | 20.7. 2019 | 22.7. 2019 | 23.7. 2019 | 24.7. 2019 | 25.7. 2019 | 26.7. 2019 | 27.7. 2019 |
| 1 | 420316103005 | NAVEEN KRISHNA KG | | | | | | | | | | | | | | | |
| 2 | 420316103006 | POOVARASAN A | | | | | | | | | | | | | | | |
| 3 | 420316103007 | RAJIVGANDHI R | | | | | | | | | | | | | | | |
| 4 | 420316103008 | RAMKI R | | | | | | | | | | | | | | | |
| 5 | 420316103010 | SANTHOSHKUMAR P | | | | | | | | | | | | | | | |
| 6 | 420316103011 | SARANYA R | | | | | | | | | | | | | | | |
| 7 | 420316103013 | VEERAMANI KANDAN M | | | | | | | | | | | | | | | |
| 8 | 420316103014 | VIDHYABARATHY R | | | | | | | | | | | | | | | |
| 9 | 420316103015 | VIGNESH R | | | | | | | | | | | | | | | |

Dr.R.PANNEERDHASS,M.E.,PH.D
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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 420316103016 | VINODHA R | | | | | | | | | | | | | | |
| 11 | 420316103301 | ILAMPARITHI K | | | | | | | | | | | | | | |
| 12 | 420316103302 | KALAIYARASAN M | | | | | | | | | | | | | | |
| 13 | 420316103303 | SAKTHI S | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 5.8.2019 | 6.8.2019 | 7.8.2019 | 8.8.2019 | 9.8.2019 | 10.8.2019 | 13.8.2019 | 14.8.2019 | 16.8.2019 | 17.8.2019 | 19.8.2019 | 20.8.2019 | 21.8.2019 | 22.8.2019 | 24.8.2019 |
| 1 | 420316103005 | NAVEEN KRISHNA KG | | | | | | | | | | | | | | | |
| 2 | 420316103006 | POOVARASAN A | | | | | | | | | | | | | | | |
| 3 | 420316103007 | RAJIVGANDHI R | | | | | | | | | | | | | | | |
| 4 | 420316103008 | RAMKI R | | | | | | | | | | | | | | | |
| 5 | 420316103010 | SANTHOSHKUMAR P | | | | | | | | | | | | | | | |
| 6 | 420316103011 | SARANYA R | | | | | | | | | | | | | | | |
| 7 | 420316103013 | VEERAMANI KANDAN M | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 420316103014 | VIDHYABARATHY R | | | | | | | | | | | | | | | |
| 9 | 420316103015 | VIGNESH R | | | | | | | | | | | | | | | |
| 10 | 420316103016 | VINODHA R | | | | | | | | | | | | | | | |
| 11 | 420316103301 | ILAMPARITHI K | | | | | | | | | | | | | | | |
| 12 | 420316103302 | KALAIYARASAN M | | | | | | | | | | | | | | | |
| 13 | 420316103303 | SAKTHI S | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

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DEPARTMENT OF CIVIL FUNDAMENTAL OF BUILDING ORIENTATION & GREEN

**STUDENTS ASSESMENT MARK LIST IV- YEAR:** **DATE:11.07.2019 TO 26.8.2019**

| Sl.No. | REG NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| 1 | 420316103005 | NAVEEN KRISHNA K G | 87 |
| 2 | 420316103006 | POOVARASAN A | 64 |
| 3 | 420316103007 | RAJIVGANDHI R | 86 |
| 4 | 420316103008 | RAMKI R | 87 |
| 5 | 420316103010 | SANTHOSH KUMAR P | 90 |
| 6 | 420316103011 | SARANYA R | 86 |
| 7 | 420316103013 | VEERAMANI KANDAN M | 88 |
| 8 | 420316103014 | VIDHYABARATHY R | 66 |
| 9 | 420316103015 | VIGNESH R | 79 |
| 10 | 420316103016 | VINODHA R | 86 |

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VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 11 | 420316103301 | ILAMPARITHI K | 57 |
| 12 | 420316103302 | KALAIYARASAN M | 78 |
| 13 | 420316103303 | SAKTHI S | 88 |

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DEPARTMENT OF CIVIL FUNDAMENTAL

OF BUILDING ORIENTATION & GREEN

**STUDENTS ASSESMENT MARK LIST IV- YEAR:** **DATE:11.07.2019 TO 26.8.2019**

| Sl.No. | REG NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| 1 | 420316103005 | NAVEEN KRISHNA K G | 77 |
| 2 | 420316103006 | POOVARASAN A | 55 |
| 3 | 420316103007 | RAJIVGANDHI R | 88 |
| 4 | 420316103008 | RAMKI R | 67 |
| 5 | 420316103010 | SANTHOSH KUMAR P | 80 |
| 6 | 420316103011 | SARANYA R | 75 |
| 7 | 420316103013 | VEERAMANI KANDAN M | 89 |
| 8 | 420316103014 | VIDHYABARATHY R | 65 |
| 9 | 420316103015 | VIGNESH R | 70 |
| 10 | 420316103016 | VINODHA R | 87 |

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VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 11 | 420316103301 | ILAMPARITHI K | 50 |
| 12 | 420316103302 | KALAIYARASAN M | 76 |
| 13 | 420316103303 | SAKTHI S | 80 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CIVIL |
| **Type of Event:** | Value Added Course Fundamental of Building Orientation &Green |
| **Event Title:** | Fundamental of Building Orientation &Green |
| **Date & Time:** | 11.07.2019 to 26.08.2019(05.00pm to 06.00p m) |
| **Venue :** | AREC |
| **Organizer:** | AREC–CIVIL |
| **Coordinator:** | Ms.K.Pavithra |
| **Resourceperson** | Mr.B.Anandhakumar |
| **Details of Participants:** | Students and faculty members of AREC |
| **Wrap-up on Event** | • The value added course started with 13 participants on 11.07.2019 to 26.08.2019 with welcome address and introduction by the co-ordinator **Ms.K.Pavithra AP/CIVIL,AREC.**<br>• Resource person **Mr.B.AnandhakumarHOD of CIVIL**has cover the basic of the Value Added Course Fundamental of Building Orientation &Green and they demonstrated each and every concept.<br>• The students will get handson experience in working with Fundamental of Building Orientation &Green. Students really enjoyed the session and learnt a lot. Now **13students** will be able to apply the concept and its application.<br>• **MR.K.Elayaraja, AP/CIVIL,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....RAMKI.R.....has participated in the 30 days Value added course on "fundamentals of Building orientation and green"organized by the Department of CIVIL, A R Engineering college , held on 11.07.2019 TO 26.08.2019

HOD

PRINCIPAL

# A.R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CIVIL

## PERMISSION LETTER

**Date: 05.07.2019**

**FROM**

The HOD
Department Of Civil
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct Value-added course on"**Sustainable Transportation Systems**" on 11.07.2019 to 24.08.2019. We requestyou to grant permission for the same.

**Name of the Course:** Sustainable Transportation Systems

**Course-Coordinator :**Ms.S.Suganya
Assistant professor/Department of Civil
AR Engineering College
Kappiyampuliyur.

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Thanking you

Your's sincierly

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CIVIL

## CIRCULAR

**Date:08.07.2019**

The department of Civil Engineering has planned to conduct a value added course on "Sustainable Transportation Systems"for civil students from 11.07.2019 to 24.08.2019.All the II&III year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on sustainable transportation systems |
| Course code | VACIVIL102 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 11.07.2019 to 24.08.2019 |
| Timing | 05.00pm to 06.00pm |
| Course Co-Ordinator | Ms.S.Suganya |
| Resource person | Mr.R.Silambarasan |
| Certificate | Yes |

HOD

PRINCIPAL

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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**A.R ENGINEERING COLLEGE**

"VALUE ADDED COURSE ON SUSTAINABLE TRANSPORTATION SYSTEMS

**Department ofCivil**

11.07.2019 to 24.08.2019

Time:05.00 pm to 06.00 Pm

**Co-ordinator:**

Ms.S.Suganya

AP/Department of CIVIL

**Resource Person:**

Mr.R.SilambarasanHOD/Department of CIVIL

**VRS College of engineering**

**Organized by**

DEPARTMENT OF CIVIL

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601

ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- To balance our economic environment and social needs,allowing prosperity for now and future generations



**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

SUSTAINABLE TRANSPORTATION SYSTEMS

11.07.2019 to 24.08.2019

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://forms.gle/...

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF CIVIL

### VALUE ADDED COURSE ON SUSTAINABLE TRANSPORTATION SYSTEMS

**DATE:** 11.07.2019 to 24.08.2019 **TOTAL Hours:** 30hrs

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOURS |
|---|---|---|---|
| 1 | An increasing momentum for action | 11.07.2019 | 1hr |
| 2 | Attaining the sdgs 6 through sustainable transport | 12.07.2019 | 1hr |
| 3 | Climate change 8 mitigation and adaptation | 13.07.2019 | 1hr |
| 4 | A diversity of 11 stakeholders and initiatives | 15.07.2019/16.07.2019 | 2hr |
| 5 | Sustainable transport: | 17.07.2019/18.07.2019 | 2hr |
| 6 | Progress and challenges | 19.07.2019 | 1hr |
| 7 | Status update – the 14 sdgs, climate change, and the covid-19 pandemic | 20.07.2019 | 1hr |
| 8 | Challenges to 23 achieving sustainable transport – a forward-looking analysis | 22.07.2019/23.07.2019 | 2hr |
| 9 | Countries in 30 special situations | 24.07.2019/25.07.2019 | 2hr |
| 10 | Regional development 36 | 26.07.2019/27.07.2019 | 2hr |
| 11 | Leaving no one behind 37 | 05.08.2019/06.08.2019 | 2hr |
| 12 | Realizing sustainable transport solutions for all | 07.08.2019/08.08.2019 | 2hr |
| 13 | Identifying 41 transformative pathways | 09.08.2019/10.08.2019 | 2hr |
| 14 | applying science, technology, and innovation | 13.08.2019/14.08.2019 | 2hr |
| 15 | strengthening governance | 16.08.2019/17.08.2019 | 2hr |
| 16 | improving financing | 19.08.2019/20.08.2019 | 2hr |
| 17 | directing capacity- 66 building, technology cooperation and data | 21.08.2019/22.08.2019 | 2hr |
| 18 | Changing through 68 individual and collective behaviour way forward | 24.08.2019 | 1hr |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF CIVIL

## SUSTAINABLE TRANSPORTATION SYSTEMS

**STUDENTS NAME LIST:[ II&III-YEAR]** **DATE:11.7.2019 to 24.8.2019**

| Sl. No. | REG NO | NAME OF THE STUDENT | SIGNATURE |
|---|---|---|---|
| 1 | 420317103001 | BALAGI C | |
| 2 | 420317103005 | JAYANTHI K | |
| 3 | 420317103006 | MOHANA RAJAN M | |
| 4 | 420317103008 | PRAVEEN KRISHNA D | |
| 5 | 420317103010 | SASIKUMAR K | |
| 6 | 420317103012 | SIVARANJANI R | |
| 7 | 420317103013 | SRIRANJANI R | |
| 8 | 420317103014 | VASANTHA KUMARI N | |
| 9 | 420317103015 | VIJAYA KUMAR S | |
| 10 | 420317103301 | SAKTHIVEL A | |
| 11 | 420317103302 | VIGNESH K | |
| 12 | 420316103005 | NAVEEN KRISHNA K G | |
| 13 | 420316103006 | POOVARASAN A | |
| 14 | 420316103007 | RAJIVGANDHI R | |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 15 | 420316103008 | RAMKI R | Ramki.R. |
| 16 | 420316103010 | SANTHOSH KUMAR P | Santhkum.P |
| 17 | 420316103011 | SARANYA R | Saranya.R |
| 18 | 420316103013 | VEERAMANI KANDAN M | Veerk.M |
| 19 | 420316103014 | VIDHYABARATHY R | Vidhyabarthy.R. |
| 20 | 420316103015 | VIGNESH R | Vignesh.R |
| 21 | 420316103016 | VINODHA R | Vinodha.R |
| 22 | 420316103301 | ILAMPARITHI K | Ilamthi K. |
| 23 | 420316103302 | KALAIYARASAN M | Kalaisan.M. |
| 24 | 420316103303 | SAKTHI S | Sakthi.S. |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

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## DEPARTMENT OF CIVIL

## SUSTAINABLE TRANSPORTATION SYSTEMS

**ATTENDENCE SHEET:[II&III-YEAR]** **DATE:11.7.2019 to 24.8.2019**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 11.7.2019 | 12.7.2019 | 13.7.2019 | 15.7.2019 | 16.7.2019 | 17.7.2019 | 18.7.2019 | 19.7.2019 | 20.7.2019 | 22.7.2019 | 23.7.2019 | 24.7.2019 | 25.7.2019 | 26.7.2019 | 27.7.2019 |
| 1 | 420317103001 | BALAGI C | | | | | | | | | | | | | | | |
| 2 | 420317103005 | JAYANTHI K | | | | | | | | | | | | | | | |
| 3 | 420317103006 | MOHANA RAJAN M | | | | | | | | | | | | | | | |
| 4 | 420317103008 | PRAVEEN KRISHNA D | | | | | | | | | | | | | | | |
| 5 | 420317103010 | SASIKUMAR K | | | | | | | | | | | | | | | |
| 6 | 420317103012 | SIVARANJANI R | | | | | | | | | | | | | | | |
| 7 | 420317103013 | SRIRANJANI R | | | | | | | | | | | | | | | |
| 8 | 420317103014 | VASANTHA KUMARI N | | | | | | | | | | | | | | | |
| 9 | 420317103015 | VIJAYA KUMAR S | | | | | | | | | | | | | | | |

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A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | |
|---|---|---|---|
| 10 | 420317103301 | SAKTHIVEL A | |
| 11 | 420317103302 | VIGNESH K | |
| 12 | 420316103005 | NAVEEN KRISHNA K G | |
| 13 | 420316103006 | POOVARASAN A | |
| 14 | 420316103007 | RAJIVGANDHI R | |
| 15 | 420316103008 | RAMKI R | |
| 16 | 420316103010 | SANTHOSH KUMAR P | |
| 17 | 420316103011 | SARANYA R | |
| 18 | 420316103013 | VEERAMANI KANDAN M | |
| 19 | 420316103014 | VIDHYABARATHY R | |
| 20 | 420316103015 | VIGNESH R | |
| 21 | 420316103016 | VINODHA R | |
| 22 | 420316103301 | ILAMPARITHI K | |
| 23 | 420316103302 | KALAIYARASAN M | |
| 24 | 420316103303 | SAKTHI S | |



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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 5.8.2019 | 6.8.2019 | 7.8.2019 | 8.8.2019 | 9.8.2019 | 10.8.2019 | 13.8.2019 | 14.8.2019 | 16.8.2019 | 17.8.2019 | 19.8.2019 | 20.8.2019 | 21.8.2019 | 22.8.2019 | 24.8.2019 |
| 1 | 420317103001 | BALAGI C | | | | | | | | | | | | | | | |
| 2 | 420317103005 | JAYANTHI K | | | | | | | | | | | | | | | |
| 3 | 420317103006 | MOHANA RAJAN M | | | | | | | | | | | | | | | |
| 4 | 420317103008 | PRAVEEN KRISHNA D | | | | | | | | | | | | | | | |
| 5 | 420317103010 | SASIKUMAR K | | | | | | | | | | | | | | | |
| 6 | 420317103012 | SIVARANJANI R | | | | | | | | | | | | | | | |
| 7 | 420317103013 | SRIRANJANI R | | | | | | | | | | | | | | | |
| 8 | 420317103014 | VASANTHA KUMARI N | | | | | | | | | | | | | | | |
| 9 | 420317103015 | VIJAYA KUMAR S | | | | | | | | | | | | | | | |
| 10 | 420317103301 | SAKTHIVEL A | | | | | | | | | | | | | | | |
| 11 | 420317103302 | VIGNESH K | | | | | | | | | | | | | | | |
| 12 | 420316103005 | NAVEEN KRISHNA K G | | | | | | | | | | | | | | | |
| 13 | 420316103006 | ROOVARASAN A | | | | | | | | | | | | | | | |

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VILLUPURAM-605601

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 420316103007 | RAJIVGANDHI R | | | | | | | | | | | | | | |
| 15 | 420316103008 | RAMKI R | | | | | | | | | | | | | | |
| 16 | 420316103010 | SANTHOSH KUMAR P | | | | | | | | | | | | | | |
| 17 | 420316103011 | SARANYA R | | | | | | | | | | | | | | |
| 18 | 420316103013 | VEERAMANI KANDAN M | | | | | | | | | | | | | | |
| 19 | 420316103014 | VIDHYABARATHY R | | | | | | | | | | | | | | |
| 20 | 420316103015 | VIGNESH R | | | | | | | | | | | | | | |
| 21 | 420316103016 | VINODHA R | | | | | | | | | | | | | | |
| 22 | 420316103301 | ILAMPARITHI K | | | | | | | | | | | | | | |
| 23 | 420316103302 | KALAIYARASAN M | | | | | | | | | | | | | | |
| 24 | 420316103303 | SAKTHI S | | | | | | | | | | | | | | |

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605 601

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DEPARTMENT OF CIVIL

SUSTAINABLE TRANSPORTATION SYSTEMS

**STUDENTS ASSESMENT MARK LIST:[ II&III-YEAR] DATE:11.7.2019 to 24.8.2019**

| Sl. No. | REG NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| 1 | 420317103001 | BALAGI C | A+ |
| 2 | 420317103005 | JAYANTHI K | O |
| 3 | 420317103006 | MOHANA RAJAN M | B+ |
| 4 | 420317103008 | PRAVEEN KRISHNA D | A |
| 5 | 420317103010 | SASIKUMAR K | A |
| 6 | 420317103012 | SIVARANJANI R | B+ |
| 7 | 420317103013 | SRIRANJANI R | A |
| 8 | 420317103014 | VASANTHA KUMARI N | A |
| 9 | 420317103015 | VIJAYA KUMAR S | A+ |
| 10 | 420317103301 | SAKTHIVEL A | A+ |
| 11 | 420317103302 | VIGNESH K | A |
| 12 | 420316103005 | NAVEEN KRISHNA K G | A |
| 13 | 420316103006 | POOVARASAN A | B+ |
| 14 | 420316103007 | RAJIVGANDHI R | A |

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| | | | |
|---|---|---|---|
| 15 | 420316103008 | RAMKI R | A+ |
| 16 | 420316103010 | SANTHOSH KUMAR P | A+ |
| 17 | 420316103011 | SARANYA R | B+ |
| 18 | 420316103013 | VEERAMANI KANDAN M | A |
| 19 | 420316103014 | VIDHYABARATHY R | A+ |
| 20 | 420316103015 | VIGNESH R | A+ |
| 21 | 420316103016 | VINODHA R | A+ |
| 22 | 420316103301 | ILAMPARITHI K | A+ |
| 23 | 420316103302 | KALAIYARASAN M | A |
| 24 | 420316103303 | SAKTHI S | O |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CIVIL |
| **Type of Event:** | Value added course |
| **Event Title:** | Sustainable Transportation Systems |
| **Date & Time:** | 11.07.2019 to 24.08.2019(05.00pm to 06.00pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–CIVIL |
| **Coordinator:** | Ms.S.Suganya |
| **Resource person:** | Mr.R.Silambarasan |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 24 participants on 11.07.2019 to 24.08.2019 at 05.00 pm with welcome address and introduction by the co-ordinator**Ms.S.Suganya,AP/Civil,AREC.**<br>• Resource person **Mr.R.Silambarasan HOD DEPARTMENT OF CIVIL VRS College of engineering** has cover the basic of the **Sustainable Transportation Systems** and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with Sustainable Transportation Systems Students really enjoyed the session and learnt a lot. Now **24students** will be able to apply the concept and its application.<br>• **Mr.D.Thulabamani, AP/Civil,AREC,**proposed the vote of thanks to the participants and organizers. |

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This is to certify that Mr./Ms .....BALAGI.C.....has participated in the 30 days Value added course on "Sustainable transportation system"organized by the Department of CIVIL, A R Engineering college , held on 11.07.2019 TO 24.08.2019

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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## DEPARTMENT OF EEE

## PERMISSION LETTER

**Date:**05.7.2019

**FROM**

The HOD
Department of EEE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal

AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "certificate course on refrigiration and air conditioning" on 11.07.2019 to 24.08.2019.We request you to grant permission for the same.

**Name of the Course:** "certificate course on refrigiration and air conditioning"

**Course-Coordinator :**Mr.P.Karthik

Assistant professor/Department of EEE

AR Engineering College

Kappiyampuliyur.

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Thanking you

Yours sincerely

Dr.R.PANNEERDHASS,M.E.,PH.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF EEE

## CIRCULAR

**Date:.08.07.2019**

The Department of Electrical and Electronic Engineering has planned to conduct a Course title "certificate course on refrigiration and air conditioning"for EEE students from.All the III year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| COURSE TITLE | Certificate course on refrigiration and air conditioning |
| Course code | VACEEE103 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 11.07.2019 to 24.08.2019 |
| Timing | 05.00pm to 06.00 pm |
| Course Co-Ordinator | Mr.P.Karthik |
| Resource person | Mr.G.Gnanavel |
| Certificate | Yes |

HOD

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE
on
BASIC OF THE REFRIGERATION AND AIR CONDITIONING"
Department of EEE
11.07.2019 to 24.08.2019
Time:05.00 pm to 6.00 Pm

**Co-ordinator:**
Mr.P.Karthik
AP/Department of EEE

**Resource Person:**
Mr.G.GnanavelHOD/Department of EEE

**Organized by**
DEPARTMENT OF CIVIL
**A.R ENGINEERING COLLEGE**
Kappiyampuliyur,
Villupuram 605 601



A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

**ELIGIBILITY&REGISTRATION**

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

**CERTIFICATION**

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- To understand the concept of refrigeration
- To acquire knowledge of methods of refrigeration
- To acquire knowledge of air refrigeration system
- To acquire knowledge of refrigerants.

**A.R ENGINEERING COLLEGE**

Value added course on Basic of the refrigeration and air conditioning

11.07.2019 to 24.08.2019 at

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://forms.gle/[illegible]

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF EEE

## VALUE ADDED COURSE on

## BASIC OF THE REFRIGIRATION AND AIR CONDITIONING

DATE: 11.07.2019 to 24.08.2019 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOURS |
|---|---|---|---|
| 1 | Introduction – Brief history and applications of refrigeration. | 11.7.2019/12.7.2019 | 2 hrs |
| 2 | Thermodynamics of refrigeration - reversed Carnot cycle - heat pump and refrigeration machines, Limitations of reversed Carnot cycle. Unit of refrigeration. | 13.7.2019/15.7.2019/ 16.7.2019/17.7.2019 | 4hrs |
| 3 | Air refrigeration systems - Reversed Joule cycle, Air craft refrigeration systems, simple bootstrap - Regenerative and reduced ambient system. | 18.7.2019/19.7.2019 20.7.2019/22.7.2019/ 23.7.2019 | 5 hrs |
| 4 | Vortex tube refrigeration - Very low temperature refrigeration systems (concept only). Adiabatic demagnetization of paramagnetic salts. | 24.7.2019/25.7.2019 /26.7.2019 | 3 hrs |
| 5 | Vapour compression systems-simple cycle - representation on T-S and P-H Diagrams. COP - Effect of operating parameters on COP – methods of improving COP of simple cyclesuper heating, under cooling, Liquid suction heat exchanger, actual cycle. | 27.7.2019/5.8.2019 19.7.2019/6.8.2019 7.8.2019 | 5 hrs |
| 6 | Multi pressure systems - multi compression and multi evaporator systems. Inter cooling - flash inter cooling and flash gas removal. | 8.8.2019/9.8.2019/ 10.7.2019 | 3 hrs |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| | Different combinations of evaporator and compressor for different applications. Cascade system. | | |
| 7 | Refrigerants and their properties-Eco-friendly Refrigerants, mixed refrigerants, selection of refrigerants for different applications. | 13.8.2019/14.8.2019/ 16.8.2019 | 3 hrs |
| 8 | Vapour absorption systems - Ammonia – water system - simple system- drawbacks- Lithium Bromide water system- Electrolux- comparison with vapour compression system- steam jet refrigeration. | 17.8.2019/19.8.2019/ 20.8.2019 | 3 hrs |
| 15 | Refrigerants and their properties-Eco-friendly Refrigerants, mixed refrigerants, selection of refrigerants for different applications. | 21.8.2019 | 1 hrs |
| 16 | Vapour absorption systems - Ammonia – water system - simple system- drawbacks- Lithium Bromide water system- Electrolux- comparison with vapour compression system- steam jet refrigeration. | 22.8.2019/24.8.2019 | 2 hrs |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF EEE

## CERTIFICATE COURSE ON REFRIGIRATION AND AIR CONDITIONING

**STUDENTS NAME LIST :[III-YEAR]** **Date: 11.7.2019 to 24.8.2019**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 42031710500 | AMALA K | Amala. K |
| 2 | 42031710500 | BHARATHIRAJA R | Bharathiraja R. |
| 3 | 42031710500 | HARIRAJ R | HariRaj R. |
| 4 | 42031710500 | JAYASRI D | Jayasri. D |
| 5 | 42031710500 | JEEVA PRIYA K | Jeeva Priya.K. |
| 6 | 420317105007 | MAHALAKSHMI S | Mahalakshmi S. |
| 7 | 42031710500 | RAJALAKSHMI T | Rajalakshmi T |
| 8 | 42031710500 | RAJESH R | Rajesh.R |
| 9 | 42031710501 | RAVIKUMAR R | Ravikumar R |
| 10 | 42031710501 | SANTHOSH J | Santhosh J |
| 11 | 42031710501 | SARAVANAN K | K. Saravanan |
| 12 | 42031710501 | SARAVANAN M | Saravanan M |
| 13 | 42031710501 | SIVARAMAN C | Sivaraman |
| 14 | 42031710501 | SUDHIR K | Sudhir K. |
| 15 | 42031710501 | SURESHKUMAR K | Sureshkumar. K |

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| | | | |
|---|---|---|---|
| 16 | 42031710501 | VASANTHKUMAR V | Vasanthkumar.V |
| 17 | 42031710501 | VIJAYALAKSHMI M | Vijayalakshmi M |
| 18 | 42031710501 | VINOTHINI S | S. Vinothini |
| 19 | 42031710530 | GIRIJA B | Girija B |
| 20 | 42031710530 | VENKATRAMAN P | Venkatraman.P. |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

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KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF EEE

## CERTIFICATE COURSE ON REFRIGIRATION AND AIR CONDITIONING

**ATTENDENCE SHEET:[III-YEAR]**

**Date: 11.7.2019 to 24.8.2019**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 11.7.2019 | 12.7.2019 | 13.7.2019 | 15.7.2019 | 16.7.2019 | 17.7.2019 | 18.7.2019 | 19.7.2019 | 20.7.2019 | 22.7.2019 | 23.7.2019 | 24.7.2019 | 25.7.2019 | 26.7.2019 | 27.7.2019 |
| 1 | 42031710500 | AMALA K | | | | | | | | | | | | | | | |
| 2 | 42031710500 | BHARATHIRAJA R | | | | | | | | | | | | | | | |
| 3 | 42031710500 | HARIRAJ R | | | | | | | | | | | | | | | |
| 4 | 42031710500 | JAYASRI D | | | | | | | | | | | | | | | |
| 5 | 42031710500 | JEEVA PRIYA K | | | | | | | | | | | | | | | |
| 6 | 420317105007 | MAHALAKSHMI S | | | | | | | | | | | | | | | |
| 7 | 42031710500 | RAJALAKSHMI T | | | | | | | | | | | | | | | |
| 8 | 42031710500 | RAJESH R | | | | | | | | | | | | | | | |
| 9 | 42031710501 | RAVIKUMAR R | | | | | | | | | | | | | | | |
| 10 | 42031710501 | SANTHOSH J | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 11 | 42031710501 | SARAVANAN K | |
| 12 | 42031710501 | SARAVANAN M | |
| 13 | 42031710501 | SIVARAMAN C | |
| 14 | 42031710501 | SUDHIR K | |
| 15 | 42031710501 | SURESHKUMAR K | |
| 16 | 42031710501 | VASANTHKUMAR V | |
| 17 | 42031710501 | VIJAYALAKSHMI M | |
| 18 | 42031710501 | VINOTHINI S | |
| 19 | 42031710530 | GIRIJA B | |
| 20 | 42031710530 | VENKATRAMAN P | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 5.8.2019 | 6.8.2019 | 7.8.2019 | 8.8.2019 | 9.8.2019 | 10.8.2019 | 13.8.2019 | 14.8.2019 | 16.8.2019 | 17.8.2019 | 19.8.2019 | 20.8.2019 | 21.8.2019 | 22.8.2019 | 24.8.2019 |
| 1 | 42031710500 | AMALA K | | | | | | | | | | | | | | | |
| 2 | 42031710500 | BHARATHIRAJA R | | | | | | | | | | | | | | | |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | |
|---|---|---|
| 3 | 42031710500 | HARIRAJ R |
| 4 | 42031710500 | JAYASRI D |
| 5 | 42031710500 | JEEVA PRIYA K |
| 6 | 420317105007 | MAHALAKSHMI S |
| 7 | 42031710500 | RAJALAKSHMI T |
| 8 | 42031710500 | RAJESH R |
| 9 | 42031710501 | RAVIKUMAR R |
| 10 | 42031710501 | SANTHOSH J |
| 11 | 42031710501 | SARAVANAN K |
| 12 | 42031710501 | SARAVANAN M |
| 13 | 42031710501 | SIVARAMAN C |
| 14 | 42031710501 | SUDHIR K |
| 15 | 42031710501 | SURESHKUMAR K |
| 16 | 42031710501 | VASANTHKUMAR V |
| 17 | 42031710501 | VIJAYALAKSHMI M |
| 18 | 42031710501 | VINOTHINI S |
| 19 | 42031710530 | GIRIJA B |
| 20 | 42031710530 | VENKATRAMAN P |



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# A. R. ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF EEE

## CERTIFICATE COURSE ON REFRIGIRATION AND AIR CONDITIONING

**STUDENTS ASSESMENT MARK LIST :[III-YEAR] Date: 11.7.2019 to 24.8.2019**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 42031710500 | AMALA K | 69 |
| 2 | 42031710500 | BHARATHIRAJA R | 87 |
| 3 | 42031710500 | HARIRAJ R | 89 |
| 4 | 42031710500 | JAYASRI D | 75 |
| 5 | 42031710500 | JEEVA PRIYA K | 90 |
| 6 | 420317105007 | MAHALAKSHMI S | 65 |
| 7 | 42031710500 | RAJALAKSHMI T | 87 |
| 8 | 42031710500 | RAJESH R | 96 |
| 9 | 42031710501 | RAVIKUMAR R | 69 |
| 10 | 42031710501 | SANTHOSH J | 78 |
| 11 | 42031710501 | SARAVANAN K | 76 |
| 12 | 42031710501 | SARAVANAN M | 78 |
| 13 | 42031710501 | SIVARAMAN C | 56 |
| 14 | 42031710501 | SUDHIR K | 67 |
| 15 | 42031710501 | SURESHKUMAR K | 68 |

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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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| | | | |
|---|---|---|---|
| 16 | 42031710501 | VASANTHKUMAR V | 68 |
| 17 | 42031710501 | VIJAYALAKSHMI M | 87 |
| 18 | 42031710501 | VINOTHINI S | 90 |
| 19 | 42031710530 | GIRIJA B | 87 |
| 20 | 42031710530 | VENKATRAMAN P | 64 |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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Vadakuchipalayam, Kappiyampuliyurpost, Villupuram-605601, Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | EEE |
| **Type of Event:** | certificate course |
| **Event Title:** | basic of the refrigiration and air conditioning |
| **Date & Time:** | 11.07.2019 to 24.08.2019 (05.00 pm to 06.00pm) |
| **)Venue :** | AREC |
| **Organizer:** | AREC–EEE |
| **Coordinator:** | Mr.P.Karthik |
| **Resource person** | Mr.G.Gnanavel |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 20 participants on 11.07.2019 to 24.08.2019 at 05.00 pm with welcome Address and introduction by the co-ordinator**Mr.P.Karthik,AP/EEE,AREC.**<br>• Resource person **Mr.G.GnanavelHOD of DEPARTMENT EEE** has cover the basic of therefrigiration and air conditioningand they demonstrated each and every concept.<br>• The students will get hands on experience in working with refrigiration and air conditioning Students really enjoyed the session and learnt a lot. Now **20students** will be able to apply the concept and its application.<br>• **Ms.R.Manimegalai, AP/EEE,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VILLUPURAM-605 601.

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....AMALA.K.....has participated in the 30 days Certificate course on "Refrigiration and air conditioning"organized by the Department of EEE, A R Engineering college , held on 11.07.2019 TO 24.08.2019

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS M.E.,Ph.D.
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM
KAPPIYAMPULIYUR P.O.
VILLUPURAM-605 601.

# A.R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## PERMISSION LETTER

**Date:**02.01.2020

**FROM**

The HOD

Department Of EEE

AR Engineering college

Kappiyampuliyur.

To

ThePrincipal,

AR Engineering college

Kappiyampuliyur.

**SUB:**Permission to conduct add-on Course.

**Respected Sir,**

As per the instruction from IQAC regarding the add-on course, we have planned to conduct The add-on course for the final year EEE students from 21.1.2020 TO 01.03.2020.

**Name of theCourse: Certificate Program-IndustrialSafety**

**CourseCoordinator: Mr.B.M.PRABHU**

Assistant professor/Department of EEE

AR Engineering College

Kappiyampuliyur.

So kindly permit us to conduct the above course.

Thanking You

Yours'sincerely

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## CIRCULAR

**Date:**07.01.2020

**SUB:** Certificate Program-Industrial Safety

It is planned to conduct a value add-on course for the Final year Electrical & Electronics Engineering students. The add-on courses are the certification course that is designed and offered by our department for the benefit of the students. Add-on courses will be conducted free of cost and the willingness of students. Students who are willing to attend the below mentioned course can Enrol their names to the course conductor.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Certificate Program-Industrial Safety |
| Course code | VACEEE103 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2020 TO 1.3.2020 |
| Timing | 05.pm to 06.pm |
| Course Co-Ordinator | Ms.M.Kalaivani |
| Resource person | Dr.E.Pushparaj |
| Certificate | Yes |

A.R.ENGINEERING COLLEGE VILLUPURAM

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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PRINCIPAL

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE

on

INDUSTRIAL SAFETY Department of EE

21.1.2020 TO 01.03.2020

Time:05.00 Pm to 6.00 Pm

**Co-ordinator:**

Mr.P.Karthik

AP/Department of EEE

**Resource Person:**

Mr.G.GnanavelHOD/Departmen t of EEE**Organized by**

DEPARTMENT OF EEE

CIA.R ENGINEERING COLLEGE

Kappiyampuliyur,
Villupuram 605 601



ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- When students complete Intro to Programming with Python, they will be able to work.
- Work with user input to create fun and interactive programs.
- Build basic programs using fundamental programming constructs like variables, conditional

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

ON

INDUSTRIAL SAFETY

21.1.2020 TO 01.03.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arce.addon.com/

For more information contact

Course coordinator:9159166467

A.R ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## CERTIFICATEPROGRAM-INDUSTRIALSAFETY

**Date: 21.01.2020 TO 01.03.2020** **HOURS:30**

| SI.NO | CONTENT | DATE | NO: OFHOURS |
|---|---|---|---|
| 1 | Introduction To Industry Safety- Basis Circuits and Design, Circuit generations, Electronics & Electrical components and Symbols, Introduction to Industry Safety and Development of Industry Safety and Latest Industry Safety methods | 21.01.2020/22.1.2020/23.2.2020/24.01.2020/25.01.2020/27.01.2020/28.01.2020/29.01.2020/30.01.2020/31.01.2020 | 10 |
| 2 | Industry Safety Software- Industry Safety Industrial And Commercial Applications.Requirements For Industry Safety And Design Tools (Industry Safety Software) Kicad Or Orcad Software, Type Of Boards For Design And Circuit Analysis And Industry Safety Tracking, Tacking Copies And Malting Industry Safety Film And check The Track with Circuits And Make Correction | 01.02.2020/03.02.2020/04.02.2020/05.02.2020/06.02.2020/07.02.2020/8.02.2020/17.02.2020/18.02.2020/19.02.2020 | 10 |
| 3 | Industry Safety Manual - Introduction To Manual Design, Material Requirements, Practically, Making Drill And Place Components And Cheak With Circuits | 20.02.2020/21.02.2020/22.02.2020/24.02.2020/25.02.2020/26.02.2020/27.02.2020/28.02.2020/29.02.2020/1.3.2020 | 10 |
| | TOTAL | | 30 HOURS |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### CERTIFICATE PROGRAM-INDUSTRIAL SAFETY

**STUDENTS NAME LIST :[IV-YEAR]** **DATE:21.1.2020 to 1.3.2020**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420316105003 | MELKY KING GNANARAJ J | Melky King Gnanaraj. J |
| 2 | 420316105005 | RADHA KRISHNAN N | Radhakrishnan. N |
| 3 | 420316105006 | SOUNDHARYA M | Soundharya. M |
| 4 | 420316105008 | VIJAY R | Vijay. R |
| 5 | 420316105009 | VIMALRAJ V | V. Vimalraj |
| 6 | 420316105303 | NANDHINI K | Nandhini. K |
| 7 | 420316105304 | RAJESH M | M. Rajesh |
| 8 | 420316105305 | RAMACHANDIRAN A | Ramachandiran A |
| 9 | 420316105308 | VIKNESH K | Viknesh. K |
| 10 | 420316105701 | MANIKANDAN R | Manikandan R |

COURSE COORDINATOR HOD

Dr.R.PANNEERDHASS,M.E. Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## CERTIFICATE PROGRAM-INDUSTRIAL SAFETY

**ATTENDENCE SHEET:[IV-YEAR]** **DATE:21.1.2020 to 1.3.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.1.2020 | 22.1.2020 | 23.1.2020 | 24.1.2020 | 25.1.2020 | 27.1.2020 | 28.1.2020 | 29.1.2020 | 30.1.2020 | 31.1.2020 | 1.2.2020 | 3.2.2020 | 4.2.2020 | 5.2.2020 | 6.2.2020 |
| 1 | 420316105003 | MELKY KING GNANARAJ J | | | | | | | | | | | | | | | |
| 2 | 420316105005 | RADHA KRISHNAN N | | | | | | | | | | | | | | | |
| 3 | 420316105006 | SOUNDHARYA M | | | | | | | | | | | | | | | |
| 4 | 420316105008 | VIJAY R | 171 | | | | | | | | | | | | | | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601



Dr. K.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 420316105009 | VIMALRAJ V | | | | | | | | | | | | | | | |
| 6 | 420316105303 | NANDHINI K | | | | | | | | | | | | | | | |
| 7 | 420316105304 | RAJESH M | | | | | | | | | | | | | | | |
| 8 | 420316105305 | RAMACHANDIRAN A | | | | | | | | | | | | | | | |
| 9 | 420316105308 | VIKNESH K | | | | | | | | | | | | | | | |
| 10 | 420316105701 | MANIKANDAN R | | | | | | | | | | | | | | | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601



Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 7.2.2020 | 8.2.2020 | 17.2.2020 | 18.2.2020 | 19.2.2020 | 20.2.2020 | 21.2.2020 | 22.2.2020 | 24.2.2020 | 25.2.2020 | 26.2.2020 | 27.2.2020 | 28.2.2020 | 29.2.2020 | 1.3.2020 |
| 1 | 420316105003 | MELKY KING GNANARAJ J | | | | | | | | | | | | | | | |
| 2 | 420316105005 | RADHA KRISHNAN N | | | | | | | | | | | | | | | |
| 3 | 420316105006 | SOUNDHARYA M | | | | | | | | | | | | | | | |
| 4 | 420316105008 | VIJAY R | | | | | | | | | | | | | | | |
| 5 | 420316105009 | VIMALRAJ V | | | | | | | | | | | | | | | |
| 6 | 420316105303 | NANDHINI K | | | | | | | | | | | | | | | |
| 7 | 420316105304 | RAJESH M | | | | | | | | | | | | | | | |
| 8 | 420316105305 | RAMACHANDIRAN A | | | | | | | | | | | | | | | |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420316105308 | VIKNESH K | | | | | | | | | | | | | | | |
| 10 | 420316105701 | MANIKANDAN R | | | | | | | | | | | | | | | |

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## CERTIFICATE PROGRAM-INDUSTRIAL SAFETY

**STUDENTS ASSESMENT MARK LIST :[IV-YEAR]** **DATE:21.1.2020 to 1.3.2020**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420316105003 | MELKY KING GNANARAJ J | 87 |
| 2 | 420316105005 | RADHA KRISHNAN N | 87 |
| 3 | 420316105006 | SOUNDHARYA M | 59 |
| 4 | 420316105008 | VIJAY R | 89 |
| 5 | 420316105009 | VIMALRAJ V | 76 |
| 6 | 420316105303 | NANDHINI K | 81 |
| 7 | 420316105304 | RAJESH M | 75 |
| 8 | 420316105305 | RAMACHANDIRAN A | 69 |
| 9 | 420316105308 | VIKNESH K | 87 |
| 10 | 420316105701 | MANIKANDAN R | 87 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | EEE |
| **Type of Event:** | certificate course |
| **Event Title:** | Industrial safety |
| **Date & Time:** | 21.01.2020 TO 01.03.2020 (05.00PM TO06.00PM) |
| **Venue :** | AREC |
| **Organizer:** | AREC–EEE |
| **Coordinator:** | Mr.P.Karthik |
| **Resource person** | Mr.G.Gnanavel |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 10 participants on 21.01.2020 TO 01.03.2020 5.00PM with welcome Address and introduction by the co-ordinator**Ms.M.Kalaivani,AP/EEE,AREC.**<br>• Resource person **Dr.E.PushparajAP/DEPARTMENT EEE** has cover the basic of therefrigiration and air conditioning and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with refrigiration and air conditioningStudentsreallyenjoyed the session and learnt a lot. Now **10students** will be able to apply the concept and its application.<br>• **Ms.R.Manimegalai, AP/EEE,AREC,**proposed the vote of thanks to the participants and organizers. |

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....VIJAY.R.....has participated in the 30 days Certificate course on "Industrial safety"organized by the Department of EEE, A R Engineering college , held on 21.01.2020 TO 01.03.2020

E.Rufaj

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
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## DEPARTMENT OF CSE

## PERMISSION LETTER

**Date:02.01.2020**

**FROM**

The HOD
Department of CSE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** :Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "VALUE ADDED COURSE ON ROBOTICS" on 21.01.2020 to 01.03.2020 .We request you to grant permission for the same.

**Name of the Course:** Value added course on robotics

**Course-Coordinator :**Mrs.T.Geetha
Assistant professor/Department of CSE
AR Engineering College
Kappiyampuliyur.

Thanking you

Your's sincierly

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A.R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF CSE

## CIRCULAR

**Date:07.01.2020**

The department of computer science engineering has planned to conduct a VALUE ADDED COURSE ON ROBOTICS for CSE students from 21.01.2020 to 01.03.2020.All the I &II year students are asked to attend the course.

| | |
|---|---|
| COURSE TITLE | Value added course on robotics |
| Course code | VACCSE104 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2020 to 01.03.2020 |
| Timing | 5 pm to 6pm |
| Course Co-Ordinator | Mrs.T.Geetha |
| Resource person | Mr.K.Muthukumaran |
| Certificate | Yes |

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE

on

ROBOTICS

Department of CSE

21.01.2020 to 01.03.2020

Time:05.00 pm to 6.00 Pm

**Co-ordinator:**

Mrs.T.Geetha

AP/Department of CSE

**Resource Person:**

Mr.K.Muthukumaran

HOD/Department ofCSE

**Organized by**

DEPARTMENT OF CSE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,

Villupuram 605 601



ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- It can promote active engagement problem solving and collaboration among student as active learning tools
- Optimise production lines making them more agile and adaptable to the specific needs.

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

ON ROBOTICS

21.01.2020 to 01.03.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.courses/student/

For more information contact

Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON ROBOTICS

DATE: 21.01.2020 to 01.03.2020 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction for robotics basics | 21.01.2020 | 1hr |
| 2 | Automation ,Robot applications in our lives,Types of roboot | 22.01.2020/23.01.2020 | 2hr |
| 3 | Required studies in robotics,Extrapolating from nature | 24.01.2020/25.01.2020 | 2hr |
| 4 | Comparing robots to humans,Programming a robot by teaching method | 27.01.2020/28.01.2020 | 2hr |
| 5 | Typical programming of an industrial robot,Accuracy and repeatability of addressable points,Technologies of a robot | 29.01.2020/30.01.2020 | 2hr |
| 6 | Introduction Sub systems,Transmission system (Mechanics) | 31.01.2020/01.02.2020 | 2hr |
| 7 | Power generation and storage system ,Sensors | 02.02.2020/03.02.2020 | 2hr |
| 8 | Electronics ,Algorithms and software | 04.02.2020/05.02.2020 | 2hr |
| 9 | Servo motor design | 05.02.2020/06.02.2020 | 2hr |
| 10 | Introduction Servo motor main types ,Application types in servo motor | 07.02.2020 | 1hr |
| 11 | How to define a suitable servo motor speed,Servo motor gearbox | 08.02.2020/17.02.2020 | 2hr |
| 12 | Choosing a suitable gearbox ,Controlling inertia | 18.02.2020/19.02.2020 | 2hr |
| 13 | A Base servo motor example in a robot Resolution | 20.02.2020/21.02.2020 | 2hr |
| 14 | Industrial robot | 22.02.2020 | 1hr |
| 15 | Introduction History of a robot Main types of an industrial robot | 24.02.2020/25.02.2020 | 2hr |
| 16 | Main robot motions,Scara robot vs articulated robot | 26.02.2020/27.02.2020 | 2hr |
| 17 | End effectors | 28.02.2020/29.02.2020/1.03.2020 | 1hr |
| | TOTAL | | 30 hrs |

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON ROBOTICS

**STUDENTS NAME LIST:[I & II YEAR]** **DATE:28.09.2019 TO 09..11.2019**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420319104001 | GOPINATH K | Gopinath.K |
| 2 | 420319104002 | CHANDRU M | ChanDRu M |
| 3 | 420319104003 | REVATHY E | E.Revathy |
| 4 | 420318104001 | ABITHA A | Abitha A |
| 5 | 420318104002 | AMIRTHALAKSHMI V | Amirthalakshmi.V |
| 6 | 420318104003 | ANANDHI S | Anandhi S |
| 7 | 420318104004 | BHUVANESHWARI G | G.Bhuvaneshwari |
| 8 | 420318104005 | GIRIPRASATH K | Giriprasath K |
| 9 | 420318104007 | GUNASEELAN G | Gunaseelan G |
| 10 | 420318104008 | KAVITHENDRAL K | Kavithendral K |
| 11 | 420318104009 | KAVITHRA K | Kavithra.K |
| 12 | 420318104010 | MANGALAMBIGAI A | Mangalambigai A |
| 13 | 420318104011 | SANTHIYA J | Santhiya J |
| 14 | 420318104012 | STEPHEN RAJ R | Stephen Raj R |

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| | | | |
|---|---|---|---|
| 15 | 420318104013 | SUJATHA A | Sujatha A |
| 16 | 420318104014 | SWARNALAKSHMI B | Swarnalakshmi B |
| 17 | 420318104016 | VARADHARAJA PERUMAL L | Varadharaja Perumal L |
| 18 | 420318104018 | YUVARAJ V | Yuvaraj ✓ |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS, M.E., Ph.D.,
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DEPARTMENT OF CSE

## VALUE ADDED COURSE ON ROBOTICS

**Attendence sheet :[I & II YEAR]** **DATE:28.09.2019 TO 09.11.2019**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.1.2020 | 22.1.2020 | 23.1.2020 | 24.1.2020 | 25.1.2020 | 27.1.2020 | 28.1.2020 | 29.1.2020 | 30.1.2020 | 31.1.2020 | 1.2.2020 | 3.2.2020 | 4.2.2020 | 5.2.2020 | 6.2.2020 |
| 1 | 420319104001 | GOPINATH K | | | | | | | | | | | | | | | |
| 2 | 420319104002 | CHANDRU M | | | | | | | | | | | | | | | |
| 3 | 420319104003 | REVATHY E | | | | | | | | | | | | | | | |
| 4 | 420318104001 | ABITHA A | | | | | | | | | | | | | | | |
| 5 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | |
| 6 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | |
| 7 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | |
| 8 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | |
| 9 | 420318104007 | GUNASEELAN G | | | | | | | | | | | | | | | |
| 10 | 420318104008 | KAVITHENDRAL K | | | | | | | | | | | | | | | |

R. RANNEERDHASS M.E.,Ph.D.
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KAPPIYAMPULIYUR POST,
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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 420318104009 | KAVITHRA K | | | | | | | | | | | | | | |
| 12 | 420318104010 | MANGALAMBIGAI A | | | | | | | | | | | | | | |
| 13 | 420318104011 | SANTHI J | | | | | | | | | | | | | | |
| 14 | 420318104012 | STEPHEN RAJ R | | | | | | | | | | | | | | |
| 15 | 420318104013 | SUJATHA A | | | | | | | | | | | | | | |
| 16 | 420318104014 | SWARNALAKSHMI B | | | | | | | | | | | | | | |
| 17 | 420318104016 | VARADHARAJA PERUMAL L | | | | | | | | | | | | | | |
| 18 | 420318104018 | YUVARAJ V | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 7.2.2020 | 8.2.2020 | 17.2.2020 | 18.2.2020 | 19.2.2020 | 20.2.2020 | 21.2.2020 | 22.2.2020 | 24.2.2020 | 25.2.2020 | 26.2.2020 | 27.2.2020 | 28.2.2020 | 29.2.2020 | 1.3.2020 |
| 1 | 420319104001 | GOPINATH K | | | | | | | | | | | | | | | |
| 2 | 420319104002 | CHANDRU M | | | | | | | | | | | | | | | |
| 3 | 420319104003 | REVATHY E | | | | | | | | | | | | | | | |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | |
|---|---|---|---|
| 4 | 420318104001 | ABITHA A | |
| 5 | 420318104002 | AMIRTHALAKSHMI V | |
| 6 | 420318104003 | ANANDHI S | |
| 7 | 420318104004 | BHUVANESHWARI G | |
| 8 | 420318104005 | GIRIPRASATH K | |
| 9 | 420318104007 | GUNASEELAN G | |
| 10 | 420318104008 | KAVITHENDRAL K | |
| 11 | 420318104009 | KAVITHRA K | |
| 12 | 420318104010 | MANGALAMBIGAI A | |
| 13 | 420318104011 | SANTHI J | |
| 14 | 420318104012 | STEPHEN RAJ R | |
| 15 | 420318104013 | SUJATHA A | |
| 16 | 420318104014 | SWARNALAKSHMI B | |
| 17 | 420318104016 | VARADHARAJA PERUMAL L | |
| 18 | 420318104018 | YUVARAJ V | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST.
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF CSE

## VALUE ADDED COURSE ON ROBOTICS

**STUDENTS ASSESMENT MARK LIST:[I & II YEAR]** **DATE:28.09.2019 TO 09..11.2019**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420319104001 | GOPINATH K | 85 |
| 2 | 420319104002 | CHANDRU M | 54 |
| 3 | 420319104003 | REVATHY E | 76 |
| 4 | 420318104001 | ABITHA A | 79 |
| 5 | 420318104002 | AMIRTHALAKSHMI V | 89 |
| 6 | 420318104003 | ANANDHI S | 78 |
| 7 | 420318104004 | BHUVANESHWARI G | 69 |
| 8 | 420318104005 | GIRIPRASATH K | 87 |
| 9 | 420318104007 | GUNASEELAN G | 87 |
| 10 | 420318104008 | KAVITHENDRAL K | 78 |
| 11 | 420318104009 | KAVITHRA K | 68 |
| 12 | 420318104010 | MANGALAMBIGAI A | 90 |
| 13 | 420318104011 | SANTHI J | 87 |
| 14 | 420318104012 | STEPHEN RAJ R | 65 |

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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VILLUPURAM-605 601.

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605 601

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Vadakuchipalayam, Kappiyampuliyurpost, Villupuram-605601, Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CSE |
| **Type of Event:** | Value added course |
| **Event Title:** | ROBOTICS |
| **Date & Time:** | 21.01.2020 to 1.03.2020 & (5pm – 6PM) |
| **Venue :** | AREC |
| **Organizer:** | AREC–CSE |
| **Coordinator:** | **Mrs.T.Geetha** |
| **Resource person** | **Mr.K.Muthukumaran** |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 18 participants on 21.01.2020 to 1.03.2020 at 05.00 pm with welcome address and introduction by the co-ordinator **Mrs.T.Geetha,AP/CSE,AREC.**<br>• Resource person **Mr.K.Muthukumaran HOD of department CSE** has cover the basic of the ROBOTICS and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with ROBOTICS Students really enjoyed the session and learnt a lot. Now **18students** will be able to apply the concept and its application.<br>• **Mrs.S.Sathya, AP/CSE,AREC,**proposed the vote of thanks to the participants and organizers. |

Dr.R.PANNEERDHASS,M.E.,Ph D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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605 601

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....GOPINATH.....K.....has participated in the 30 days Value added course on "Robotics"organized by the Department of CSE, A R Engineering college , held on 21.01.2020 TO 01.03.2020

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERSHA... M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR PO,
VILLUPURAM-605 601.

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ECE

## PERMISSION LETTER

**Date:02.01.2020**

**FROM**

The HOD
Department Of ECE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal

AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "Value added course on modern sensor technology"on 21.01.2020 to 1.03.2020. We request you to grant permission for the same.

**Name of the Course:** value added course on modern sensor technology

**Course-Coordinator :** Mr.N.Kalidass

Assistant professor/Department of ECE

A.R Engineering College

Kappiyampuliyur.

Thanking you

Your's sincierly

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ECE

## CIRCULAR

**Date:07.01.2020**

The department of Electronic Communiction and Engineering has planned to conduct a Course title "VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY"for ECE students at from 21.01.2020 to 1.03.2020.All the II & III year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY |
| Course code | VACECE105 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2020 to 1.03.2020 |
| Timing | 5pm to 6pm |
| Course Co-Ordinator | Mr.N.Kalidass |
| Resource person | Mr.K.S.Krishnamoorthy |
| Certificate | Yes |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

PRINCIPAL
Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY"

Department of ECE

21.01.2020 to 01.03.2020

Time:5.00 pm to 6 Pm

**Co-ordinator:**

Mr.K.KalidassAP/Department of ECE

**Resource Person:**

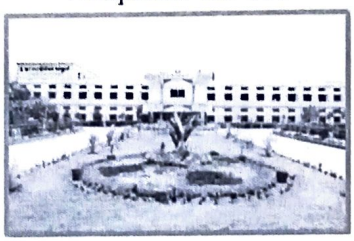
Mr.K.S.KrishnamoorthyHOD/Department of ECE

**Organized by**

DEPARTMENT OF ECE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- To develop technical skills and competence in data and information acquisition extraction management and analysis mapping and visualization.

**A.R ENGINEERING COLLEGE**

"VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY"

21.01.2020 to 01.03.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.courses/...

For more information contact

Course coordinator:9159166467

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF ECE

### VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY

DATE: 21.01.2020 to 1.03.2020 TOTAL Hours: 30

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOURS |
|---|---|---|---|
| 1 | Introduction to Sensing and Measurement | 21.01.2020 | 1hr |
| 2 | Sensor Classifications,Sensor Characteristics ,Sensor Deviations and Error Conditions | 22.01.2020/21.01.2020 | 2hr |
| 3 | Physical Phenomena used in Sensing,Establishing an Automation Program | 21.01.2020/23.01.2020 | 2hr |
| 4 | Understanding Flexible Workstations, Flexible Work Cells, and Flexible Work Centers. | 24.01.2020/25.01.2020 | 2hr |
| 5 | Types and Classifications of Sensors and Control Systems,9 Classification of Control Processes | 27.01.2020 | 1hr |
| 6 | Open- and Closed-Loop Control Systems ,Understanding Photoelectric Sensors / Detection Methods | 28.01.2020/29.01.2020 | 2hr |
| 7 | Proximity Sensors ,Understanding Inductive Proximity Sensors | 30.01.2020/31.01.2020 | 2hr |
| 8 | Understanding Capacitive Proximity Sensors,Understanding Limit Switches | 1.02.2020 | 1hr |
| 10 | Inductive and Capacitive Sensors in Manufacturing,Understanding | 3.02.2020/4.02.2020 | 2hr |
| 11 | Microwave-Sensing Applications | 5.02.2020/6.02.2020 | 2hr |
| 12 | The Infrared Spectrum,Understanding an Infrared Spectrum and how it Arises from Bond Vibrations Within Organic Molecules | 7.02.2020/8.02.2020 | 2hr |
| 13 | Introduction Photoelectric Sensors—Long-Distance Detection | 17.02.2020/18.02.2020 | 2hr |
| 14 | Fiber Optics ,Optical Fiber Parameters | 19.02.2020/20.02.2020 | 2hr |
| 15 | Inductive Proximity Sensors—Noncontact | 21.02.2020/22.02.2020 | 2hr |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| | Metal Detection | | |
| 16 | Limit Switches—Traditional Reliability ,Factors Affecting the Selection of Position Sensors | 24.02.2020/25.02.2020 | 2hr |
| 17 | Wavelengths of Commonly Used Light-Emitting Diodes ,Sensor Alignment Techniques | 26.02.2020/27.02.2020 | 2hr |
| 18 | Understanding Laser Sensors ,Fiber Optics in Sensors and Control Systems | 28.02.2020/1.3.2020 | 1hr |
| | | TOTAL | 30 HRS |

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## DEPARTMENT OF ECE

## VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY

**STUDENTS NAME LIST : [II & III Year]** **DATE:21.1.2020 to 1.3.2020**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420318106001 | BALAJI S | S. Balaji |
| 2 | 420318106002 | HARISHANKAR V | Hari Shankar V |
| 3 | 420318106004 | SHAKI P | Shaki. P |
| 4 | 420318106005 | SUVASRI S | Suvasri S |
| 5 | 420318106006 | VANISRI S | Vanisri. S |
| 6 | 420317106001 | ABISHA N | Abisha. N |
| 7 | 420317106004 | DHANALAKSHMI T | Dhanalakshmi. T |
| 8 | 420317106006 | JAMUNA S | Jamuna. S |
| 9 | 420317106007 | KASTHURI S | S. Kasthuri |
| 10 | 420317106008 | KEERTHANAVATHI R | Keerthanavathi R |
| 11 | 420317106009 | KOWSALYA R | Kowsalya. R |
| 12 | 420317106011 | NARMADHA N | Narmadha N |
| 13 | 420317106013 | PREMALATHA S | Premalatha. S |
| 14 | 420317106014 | SUGASHINI N | Sugashini N |
| 15 | 420317106015 | SUNITHA K | K. Sunitha |
| 16 | 420317106019 | VIJAY M | Vijay M |
| 17 | 420317106301 | PARTHIBAN P | Parthiban. P. |

COURSE CO-ORDINATOR

HOD

Dr.R.GANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
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## DEPARTMENT OF ECE

## VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY

**ATTENDENCE SHEET: [II & III Year]**

**DATE:21.1.2020 to 1.3.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.1.2020 | 22.1.2020 | 23.1.2020 | 24.1.2020 | 25.1.2020 | 27.1.2020 | 28.1.2020 | 29.1.2020 | 30.1.2020 | 31.1.2020 | 1.2.2020 | 3.2.2020 | 4.2.2020 | 5.2.2020 | 6.2.2020 |
| 1 | 420318106001 | BALAJI S | | | | | | | | | | | | | | | |
| 2 | 420318106002 | HARISHANKAR V | | | | | | | | | | | | | | | |
| 3 | 420318106004 | SHAKI P | | | | | | | | | | | | | | | |
| 4 | 420318106005 | SUVASRI S | | | | | | | | | | | | | | | |
| 5 | 420318106006 | VANISRI S | | | | | | | | | | | | | | | |
| 6 | 420317106001 | ABISHA N | | | | | | | | | | | | | | | |
| 7 | 420317106004 | DHANALAKSHMI T | | | | | | | | | | | | | | | |
| 8 | 420317106006 | JAMUNA S | | | | | | | | | | | | | | | |
| 9 | 420317106007 | KASTHURI S | | | | | | | | | | | | | | | |
| 10 | 420317106008 | KEERTHANAVATHI R | | | | | | | | | | | | | | | |

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## DEPARTMENT OF ECE

## VALUE ADDED COURSE ON MODERN SENSOR TECHNOLOGY

**ATTENDENCE SHEET: [II & III Year]**

**DATE:21.1.2020 to 1.3.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.1.2020 | 22.1.2020 | 23.1.2020 | 24.1.2020 | 25.1.2020 | 27.1.2020 | 28.1.2020 | 29.1.2020 | 30.1.2020 | 31.1.2020 | 1.2.2020 | 3.2.2020 | 4.2.2020 | 5.2.2020 | 6.2.2020 |
| 1 | 420318106001 | BALAJI S | | | | | | | | | | | | | | | |
| 2 | 420318106002 | HARISHANKAR V | | | | | | | | | | | | | | | |
| 3 | 420318106004 | SHAKI P | | | | | | | | | | | | | | | |
| 4 | 420318106005 | SUVASRI S | | | | | | | | | | | | | | | |
| 5 | 420318106006 | VANISRI S | | | | | | | | | | | | | | | |
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| | | | |
|---|---|---|---|
| 5 | 420318106006 | VANISRI S | |
| 6 | 420317106001 | ABISHA N | |
| 7 | 420317106004 | DHANALAKSHMI T | |
| 8 | 420317106006 | JAMUNA S | |
| 9 | 420317106007 | KASTHURI S | |
| 10 | 420317106008 | KEERTHANAVATHI R | |
| 11 | 420317106009 | KOWSALYA R | |
| 12 | 420317106011 | NARMADHA N | |
| 13 | 420317106013 | PREMALATHA S | |
| 14 | 420317106014 | SUGASHINI N | |
| 15 | 420317106015 | SUNITHA K | |
| 16 | 420317106019 | VIJAY M | |
| 17 | 420317106301 | PARTHIBAN P | |

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199 261

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | ECE |
| **Type of Event:** | value added course |
| **Event Title:** | modern sensor technology |
| **Date & Time:** | 21.01.2020 to 1.03.2020(5 pm to 6pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–ECE |
| **Coordinator:** | Mr.K.Kalidass |
| **Resource person:** | Mr.K.S.Krishnamoorthy |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 17 participants on 21.01.2020 to 1.03.2020 at 5.00 pm with welcome address and introduction by the co-ordinator **Mr.K.Kalidass ,AP/ECE,AREC.**<br>• Resource person Mr.K.S.Krishnamoorthy HOD DEPARTMENT OF ECE has cover the basic of the MODERN SENSOR TECHNOLOGY and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with Modern sensor technology Students really enjoyed the session and learnt a lot. Now 17**students** will be able to apply the concept and its application.<br>• **Mrs.P.Laksmidevi, AP/ECE,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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This is to certify that Mr./Ms .....BALAJI.S.....has participated in the 30 days Value added course on "Modern sensor technology"organized by the Department of ECE, A R Engineering college , held on 21.01.2020 TO 01.03.2020

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.
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## DEPARTMENT OF MECHANICAL ENGINEERING

## PERMISSION LETTER

**Date:02.01.2020**

**FROM**

The HOD
Department Of MECH
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** :Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "value added course on Electric Vehicle"on 21.01.2020 to 02.03.2020. We request you to grant permission for the same.

**Name of the Course:** value added course on Electric Vehicle

**Course-Coordinator : Mr.R.Manivannan**
Assistant Proffesor/Department of MECH
AR Engineering college
Kappiyampuliyur.

Thanking you

Your's sincierly

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyurpost,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF MECH

## CIRCULAR

**Date:07.01.2020**

The department of mechanical engineering has planned to conduct a Course title "value added course on Electric Vehicle"for MECH students from **21.01.2020 to 02.03.2020**.All the II year students are asked to attend the course.

**COURSE DETAILS:**

| **Course title** | **VALUE ADDED COURSE ON ELECTRIC VEHICLE** |
|---|---|
| Course code | VACMECH106 |
| Course duration | 31-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2020 to 02.03.2020 |
| Timing | 5pm to 6pm |
| Course Co-Ordinator | Mr.R.Manivannan |
| Resource person | Dr.K.Kamal Babu |
| Certificate | Yes |

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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**A.R ENGINEERING COLLEGE**

"VALUE ADDED COURSE on ELECTRIC VEHICLE Department of MECH

21.01.2020 to 02.03.2020

Time:5pm to 6 pm

**Co-ordinator:**

Mr.R.ManivannanAP/Department of MECH

**Resource Person:**

Dr.K.Kamal BabuHOD/Department of MECH

**Organized by**

DEPARTMENT OF MECH

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- To understand the concept of hybrid electric vehicles
- To understand the hybrid electric vehicles market of india with regard to their performance in this new era scenario
- To study the contemporary opportunities and challenges for EV market.

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE ON ELECTRIC VEHICLE

21.01.2020 to 02.03.2020

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://forms.gle/[illegible]

For more information contact

Course coordinator:9159166467

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF MECH

### VALUE ADDED COURSE ON ELECTRIC VEHICLE

DATE: 21.01.2020 to 02.03.2020 TOTAL Hours: 31

COURSE SYLLABUS:

| SL.NO | TOPICS | DATE | HOURS |
|---|---|---|---|
| 1 | Insights for Policy Makers | 21.1.2020 | 1 hrs |
| 2 | Technology Status and Performance | 22.1.2020/23.1.2020/24.1.2020 | 3hrs |
| 3 | Light duty electric vehicle sales | 25.1.2020/27.1.2020 | 2hrs |
| 4 | Sales of other types of electric vehicles | 28.1.2020/29.1.2020 | 2hrs |
| 5 | Costs, markets and consumers | 30.1.2020/31.1.2020/1.02.2020 | 3hrs |
| 6 | Electric Vehicle Charging and Interactions with Electricity Grids | 3.02.2020/4.02.2020 | 2hrs |
| 7 | Electric vehicles and renewable energy deployment | 5.02.2020/6.02.2020 | 2hrs |
| 8 | The role of demand-side management | 7.02.2020/8.02.2020 | 2hrs |
| 10 | Smart charging | 17.02.2020/18.02.2020 | 2hrs |
| 11 | Considering the Future: Electric Vehicle Market Projections | 19.02.2020/20.02.2020/21.02.2020 | 3hrs |
| 12 | Projections of batteries and electricity demand | 22.02.2020/24.02.2020 | 2hrs |
| 13 | EVs and VRE: Combining for low environmental impact | 25.02.2020/26.02.2020 | 2hrs |
| 14 | Material requirements | 27.02.2020/28.02.2020/29.02.2020 | 3hrs |
| 15 | Achieving future EV targets: Technology and policy aspects | 1.03.2020/02.3.2020 | 2hr |

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## DEPARTMENT OF MECH

## VALUE ADDED COURSE ON ELECTRIC VEHICLE

**STUDENTS NAME LIST :**[II-YEAR] **DATE: 21.1.2020 TO 2.3.2020**

| S.NO | REG.NO | NAME OF THE STUDENT | SIGNATURE |
|---|---|---|---|
| 1 | 420318114001 | AJITH M | |
| 2 | 420318114002 | AJITHKUMAR M | |
| 3 | 420318114003 | ARULKUMAR S | |
| 4 | 420318114004 | AZHAGURAJA I | |
| 5 | 420318114005 | BALACHANDAR P | |
| 6 | 420318114006 | DINESHKUMAR M | |
| 7 | 420318114007 | DINESHKUMAR V | |
| 8 | 420318114008 | ELUMALAI V | |
| 9 | 420318114009 | EZHILMULLAIARASU M | |
| 10 | 420318114010 | GURUMOORTHI S | |
| 11 | 420318114011 | JAYAMOORTHY J | |
| 12 | 420318114012 | KARAN V | |
| 13 | 420318114013 | MAGESH A | |
| 14 | 420318114014 | MANIRAJ R | |
| 15 | 420318114015 | NIJANTHAN J | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | |
|---|---|---|---|
| 16 | 420318114016 | PRAKASH S | Prakash. S |
| 17 | 420318114017 | RAGURAMAN R | R. Raguram |
| 18 | 420318114018 | RAJ A | Raj. A |
| 19 | 420318114019 | RAKESH R | Rakesh R |
| 20 | 420318114020 | RAMPRASATH D | Ramprasath. D |
| 21 | 420318114021 | RANGARAJAN R | R. Rangarajan. R |
| 22 | 420318114022 | SRIDHAR M | M. Sridhar |
| 23 | 420318114023 | TAMILSELVAM S | S. Tamilselvam. |
| 24 | 420318114024 | UDHAYAKUMAR M | Udhayakumar. M |
| 25 | 420318114025 | VIGNESH M | M. Vignesh |
| 26 | 420318114026 | VIGNESH V | Vignesh. V |
| 27 | 420318114027 | VIGNESHWARAN M | Vigneshwaran. M |
| 28 | 420318114028 | YUVARAJ P | Yuvaraj. P |
| 29 | 420318114029 | YUVARAJ T | Yuvaraj T |
| 30 | 420317114056 | SRIVENDHAN S | Srivendhan. S |

COURSE CO-ORDINATOR

HOD

DR.R.PANNEERDHASS,M.E.,Ph.D.,
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A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF MECH

## VALUE ADDED COURSE ON ELECTRIC VEHICLE

**ATTENDENCE SHEET:[II-YEAR]** **DATE: 21.1.2020 TO 2.3.2020**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.1.2020 | 22.1.2020 | 23.1.2020 | 24.1.2020 | 25.1.2020 | 27.1.2020 | 28.1.2020 | 29.1.2020 | 30.1.2020 | 31.1.2020 | 1.2.2020 | 3.2.2020 | 4.2.2020 | 5.2.2020 | 6.2.2020 |
| 1 | 420318114001 | AJITH M | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith | Ajith |
| 2 | 420318114002 | AJITHKUMAR M | | | | | | | | | | | | | | | |
| 3 | 420318114003 | ARULKUMAR S | | | | | | | | | | | | | | | |
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| 8 | 420318114008 | ELUMALAI V | | | | | | | | | | | | | | | |
| 9 | 420318114009 | EZHILMULLAIARASU M | | | | | | | | | | | | | | | |
| 10 | 420318114010 | GURUMOORTHI S | | | | | | | | | | | | | | | |

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| | | | |
|---|---|---|---|
| 11 | 420318114011 | JAYAMOORTHY J | |
| 12 | 420318114012 | KARAN V | |
| 13 | 420318114013 | MAGESH A | |
| 14 | 420318114014 | MANIRAJ R | |
| 15 | 420318114015 | NIJANTHAN J | |
| 16 | 420318114016 | PRAKASH S | |
| 17 | 420318114017 | RAGURAMAN R | |
| 18 | 420318114018 | RAJ A | |
| 19 | 420318114019 | RAKESH R | |
| 20 | 420318114020 | RAMPRASATH D | |
| 21 | 420318114021 | RANGARAJAN R | |
| 22 | 420318114022 | SRIDHAR M | |
| 23 | 420318114023 | TAMILSELVAM S | |
| 24 | 420318114024 | UDHAYAKUMAR M | |
| 25 | 420318114025 | VIGNESH M | |
| 26 | 420318114026 | VIGNESH V | |
| 27 | 420318114027 | VIGNESHWARAN M | |
| 28 | 420318114028 | YUVARAJ P | |
| 29 | 420318114029 | YUVARAJ T | |
| 30 | 420318114056 | SRIVENDHAN S | |

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# A. R. ENGINEERING COLLEGE

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 7.2.2020 | 8.2.2020 | 17.2.2020 | 18.2.2020 | 19.2.2020 | 20.2.2020 | 21.2.2020 | 22.2.2020 | 24.2.2020 | 25.2.2020 | 26.2.2020 | 27.2.2020 | 28.2.2020 | 29.2.2020 | 1.3.2020 | 2.3.2020 |
| 1 | 420318114001 | AJITH M | | | | | | | | | | | | | | | | |
| 2 | 420318114002 | AJITHKUMAR M | | | | | | | | | | | | | | | | |
| 3 | 420318114003 | ARULKUMAR S | | | | | | | | | | | | | | | | |
| 4 | 420318114004 | AZHAGURAJA I | | | | | | | | | | | | | | | | |
| 5 | 420318114005 | BALACHANDAR P | | | | | | | | | | | | | | | | |
| 6 | 420318114006 | DINESHKUMAR M | | | | | | | | | | | | | | | | |
| 7 | 420318114007 | DINESHKUMAR V | | | | | | | | | | | | | | | | |
| 8 | 420318114008 | ELUMALAI V | | | | | | | | | | | | | | | | |
| 9 | 420318114009 | EZHILMULLAIARASU M | | | | | | | | | | | | | | | | |
| 10 | 420318114010 | GURUMOORTHI S | | | | | | | | | | | | | | | | |
| 11 | 420318114011 | [illegible]YAMOORTHY J | | | | | | | | | | | | | | | | |
| 12 | 420318114012 | KARAN V | | | | | | | | | | | | | | | | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERSELVAM M.E., Ph.D.,
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| | | | |
|---|---|---|---|
| 13 | 420318114013 | MAGESH A | |
| 14 | 420318114014 | MANIRAJ R | |
| 15 | 420318114015 | NIJANTHAN J | |
| 16 | 420318114016 | PRAKASH S | |
| 17 | 420318114017 | RAGURAMAN R | |
| 18 | 420318114018 | RAJ A | |
| 19 | 420318114019 | RAKESH R | |
| 20 | 420318114020 | RAMPRASATH D | |
| 21 | 420318114021 | RANGARAJAN R | |
| 22 | 420318114022 | SRIDHAR M | |
| 23 | 420318114023 | TAMILSELVAM S | |
| 24 | 420318114024 | UDHAYAKUMAR M | |
| 25 | 420318114025 | VIGNESH M | |
| 26 | 420318114026 | VIGNESH V | |
| 27 | 420318114027 | VIGNESHWARAN M | |
| 28 | 420318114028 | YUVARAJ P | |
| 29 | 420318114029 | YUVARAJ T | |
| 30 | 420317114056 | SRIVENDHAN S | |

COLLEGE CO-ORDINATOR

HOD

PRINCIPAL

DR.K.PANNEERDHASS, M.E., Ph.D.,
PRINCIPAL
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF MECH

## VALUE ADDED COURSE ON ELECTRIC VEHICLE

**STUDENTS ASSESMENT MARK LIST :[II-YEAR] DATE: 21.1.2020 TO 2.3.2020**

| S.NO | REG.NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| | | | |
| 1 | 420318114001 | AJITH M | 67 |
| 2 | 420318114002 | AJITHKUMAR M | 87 |
| 3 | 420318114003 | ARULKUMAR S | 78 |
| 4 | 420318114004 | AZHAGURAJA I | 86 |
| 5 | 420318114005 | BALACHANDAR P | 72 |
| 6 | 420318114006 | DINESHKUMAR M | 65 |
| 7 | 420318114007 | DINESHKUMAR V | 85 |
| 8 | 420318114008 | ELUMALAI V | 90 |
| 9 | 420318114009 | EZHILMULLAIARASU M | 87 |
| 10 | 420318114010 | GURUMOORTHI S | 67 |
| 11 | 420318114011 | JAYAMOORTHY J | 90 |
| 12 | 420318114012 | KARAN V | 83 |
| 13 | 420318114013 | MAGESH A | 89 |
| 14 | 420318114014 | MANIRAJ R | 86 |
| 15 | 420318114015 | NIJANTHAN J | 65 |

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| | | | |
|---|---|---|---|
| 16 | 420318114016 | PRAKASH S | 87 |
| 17 | 420318114017 | RAGURAMAN R | 86 |
| 18 | 420318114018 | RAJ A | 64 |
| 19 | 420318114019 | RAKESH R | 86 |
| 20 | 420318114020 | RAMPRASATH D | 74 |
| 21 | 420318114021 | RANGARAJAN R | 85 |
| 22 | 420318114022 | SRIDHAR M | 82 |
| 23 | 420318114023 | TAMILSELVAN S | 90 |
| 24 | 420318114024 | UDHAYAKUMAR M | 87 |
| 25 | 420318114025 | VIGNESH M | 67 |
| 26 | 420318114026 | VIGNESH V | 85 |
| 27 | 420318114027 | VIGNESHWARAN M | 76 |
| 28 | 420318114028 | YUVARAJ P | 79 |
| 29 | 420318114029 | YUVARAJ T | 75 |
| 30 | 420317114056 | SRIVENDHAN S | 87 |

Dr.R.PANNEERDHASS, M.E., Ph.D.,
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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | MECH |
| **Type of Event:** | value added course |
| **Event Title:** | ELECTRIC VEHICLE |
| **Date & Time:** | 21.01.2020 to 02.03.2020(5pm to 6pm) |
| **Venue :** | AREC |
| **Organizer:** | AREC–MECH |
| **Coordinator:** | Mr.R.Manivannan |
| **Resource person** | Dr.K.Kamal Babu |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 30 participants on 21.01.2020 to 02.03.2020 at 05.00 pm with welcome Address and introduction by the co-ordinator **Mr.R.Manivannan,AP/MECH,AREC.**<br>• Resource person **Dr.K.Kamal Babu** HOD DEPARTMENT OF MECH has cover the basic of the value added course electric vehicle and they demonstrated each and every concept.<br>• The students will get hands on experience in working with electric vehicle Students really enjoyed the session and learnt a lot. Now **30 students** will be able to apply the concept and its application.<br>• **Mr.J.Sankar, AP/MECH,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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This is to certify that Mr./Ms ..... AJITH . M. .....has participated in the 31 days Value added course on "Electric vehicle"organized by the Department of MECH, A R Engineering college , held on 21.01.2020 TO 02.03.2020

HOD

PRINCIPAL

A R ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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# ACADEMIC YEAR

# 2018 - 2019

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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## ACADEMIC YEAR (2018-2019)

| Sl. NO | Name of Add on /Certificate programs offered | Course code | Department | Year of offering | No of times offered during the same year | Date and year | Duration of course | No of student enrolled | No of studen compl ting t cours in th year |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Value-added course on River Engineering | VACMC IVIL101 | CIVIL | III | 1 | 13.07.2018 To 25.08.2018 | 30 | 13 | 13 |
| 2 | Value added course on CREO | VACME CH102 | MECH | III | 1 | 13.07.2018 To 27.08.2018 | 31 | 35 | 35 |
| 3 | Value added course on Catia v5 | VACEE E103 | EEE | III&IV | 1 | 13.07.2018 To 25.08.2018 | 30 | 14 | 14 |
| 4 | Value-added course on Sustainable Water resource | VACCIV IL104 | CIVIL | IV | 1 | 13.07.2018 To 27.08.2018 | 31 | 11 | 11 |
| 5 | Value added course on Data analysis | VACCS E105 | CSE | I | 1 | 21.01.2019 To 09.03.2019 | 30 | 17 | 17 |
| 6 | Value added course on 3D modelling in fusion 360 | VACCS E106 | CSE | II | 1 | 21.01.2019 To 09.03.2019 | 30 | 20 | 20 |
| 7 | Certificate course on Basic communication system | VACEC E107 | ECE | I,II,IV | 1 | 21.01.2019 To 09.03.2019 | 30 | 13 | 13 |
| 8 | Certificate course on supervisory control | VACEC E108 | ECE | II,III | 1 | 21.01.2019 To 09.03.2019 | 30 | 12 | 12 |

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## DEPARTMENT OF CIVIL
## PERMISSION LETTER

**DATE:**07.07.2018

**FROM**

The HOD
Department of Civil
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB**: Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "**Value-added course onRiver Engineering**"on 13.07.2018 TO 25.08.2018.We request you to grant permission for the same.

**Name of the Course:** Value-added course on River Engineering

**Course-Coordinator :** Mr.K.Elayaraja
Assistant professor/Department of Civil
AR Engineering College
Kappiyampuliyur.

Thanking you

Your's sincerly

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM
KAPPIYAMPULIYUR P
VILLUPURAM-605 6

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## DEPARTMENT OF CIVIL

## CIRCULAR

**DATE:**10.07.2018

The department of Civil Engineering has planned to conduct a **"value added course on River Engineering"** for civil students from 13.07.2018 TO 25.08.2018 .All the III year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on River Engineering |
| Course code | VACCIVIL101 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 13.07.2018 TO 25.08.2018 |
| Timing | 5.00 PM-6.00 PM |
| Course Co-Ordinator | Mr.K.Elayaraja |
| Resource person | Dr.K.Palaniappan |
| Certificate | Yes |

HOD

PRINCIPAL

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Dr.R.PANNEERDHASS,M.E.,PH.D.,
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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE ON RIVER ENGINEERING" DEPARTMENT OF CIVIL

**13.07.2018 TO 25.08.2018**

Time:5.00Pm to6.00 Pm

**Co-ordinator:**

Mr.K.Elayaraja

AP/Department of CIVIL

**Resource Person:**

Dr.K.Palaniappan

HOD/Department of Civil

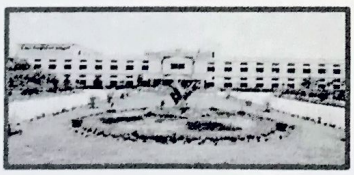
MRK Engineering college

**Organized by**

DEPARTMENT OF CIVIL

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- Promoting conditions for environmentally sustainable economically efficient and equitably allocated use of water resource

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE ON RIVER ENGINEERING

**13.07.2018 TO 25.08.2018**

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registrationlink:**

https://arec.addon course /signup

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON RIVER ENGINEERING

**DATE:13.07.2018 to 25.08.2018** **TOTAL Hours: 30**

**COURSE SYLLABUS:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction | 13.07.2018 | 1 hr |
| 2 | The nature of what we will and will not doilluminated by some aphorisms and some people. | 14.07.2018/16.07.2018/17.07.2018 | 3 hr |
| 3 | Types of channel flow to be studied.Some possibly-surprising results Effects of turbulence on dynamics. | 18.07.2018/19.07.2018/20.07.2018 | 3 hr |
| 4 | Pressure in open channel flow – effects of resistance on flows over steep slopes hydrostatic approximation | 21.07.2018/23.07.2018/24.07.2018/ 25.07.2018 | 4 hr |
| 5 | Resistance in river and other open channel flows. | 26.07.2018/03.08.2018/04.08.2018/ 6.08.2018 | 4 hr |
| 6 | The channel flow formula.Channels of arbitrary section | 07.08.2018/08.08.2018/09.08.2018 | 3 hr |
| 7 | The Chezy-Weisbach flow formula | 10.08.2018/11.08.2018 | 2 hr |
| 8 | Relative unimportance of grain size. | 13.08.2018/14.08.2018/16.08.2018/ 17.08.2018 | 4 hr |
| 9 | An approximation to our formula | 18.08.2018/20.08.2018 | 2 hr |
| 10 | The Gauckler-Manning-Strickler formula. | 21.08.2018/23.08.2018/24.08.2018 | 3 hr |
| 11 | Sensitivity to boundary particle size | 25.08.2018 | 1 hr |
| | | TOTAL | 30 hrs |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CIVIL |
| **Type of Event:** | Value added course |
| **Event Title:** | RIVER ENGINEERING |
| **Date & Time:** | **13.07.2018 TO 25.08.2018/5.00PM TO 6.00PM** |
| **Venue :** | AREC |
| **Organizer:** | AREC–CIVIL |
| **Coordinator:** | Mr.K.Elayaraja |
| **Resource person** | Dr.K.Palaniappan |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 13participants on **13.07.2018 TO 27.08.2018** at 5.00 PM with welcome address and introduction bytheco-ordinator**Mr.K.ElayarajaAP/CIVIL,AREC.**<br>• Resource person **Dr.K.Palaniappan HOD of CIVIL** has cover the basic of the Value Added CourseonRiver Engineeringand they demonstrated each and every concept.<br>• The students will get hands-on experience in working River Engineering.Students reallyenjoyed the session and learnt a lot. Now **13 students** will be able to apply the concept and its application.<br>• **Ms.S.Nivetha, AP/CIVIL,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON RIVER ENGINEERING

**STUDENTS NAME LIST [III- YEAR]:** **DATE:13.07.2018 TO 25.08.2018**

**TOTAL HOURS: 30 HRS**

| SL.NO. | REG NO | NAME OF THE STUDENT | SIGNATURE |
|---|---|---|---|
| 1 | 420316103005 | NAVEEN KRISHNA K G | |
| 2 | 420316103006 | POOVARASAN A | |
| 3 | 420316103007 | RAJIVGANDHI R | |
| 4 | 420316103008 | RAMKI R | |
| 5 | 420316103010 | SANTHOSH KUMAR P | |
| 6 | 420316103011 | SARANYA R | |
| 7 | 420316103013 | VEERAMANI KANDAN M | |
| 8 | 420316103014 | VIDHYABARATHY R | |
| 9 | 420316103015 | VIGNESH R | |
| 10 | 420316103016 | VINODHA R | |
| 11 | 420316103301 | ILAMPARITHI K | |
| 12 | 420316103302 | KALAIYARASAN M | |
| 13 | 420316103303 | SAKTHI S | |

COURSE CO-ORDINATOR

HOD

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS, M.E., Ph.D.,
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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON RIVER ENGINEERING

**ATTENDENCE SHEET[III- YEAR]:** **DATE:13.07.2018 TO 25.08.2018**

**TOTAL HOURS: 30 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.7.2018 | 14.7.2018 | 16.7.2018 | 17.7.2018 | 18.7.2018 | 19.7.2018 | 20.7.2018 | 21.07.2018 | 23.07.2018 | 24.07.2018 | 25.8.2018 | 26.8.2018 | 03.8.2018 | 04.8.2018 | 06.8.2018 |
| 1 | 420316103005 | NAVEEN KRISHNA KG | | | | | | | | | | | | | | | |
| 2 | 420316103006 | POOVARASAN A | | | | | | | | | | | | | | | |
| 3 | 420316103007 | RAJIVGANDHI R | | | | | | | | | | | | | | | |
| 4 | 420316103008 | RAMKI R | | | | | | | | | | | | | | | |
| 5 | 420316103010 | SANTHOSHKUMAR P | | | | | | | | | | | | | | | |
| 6 | 420316103011 | SARANYA R | | | | | | | | | | | | | | | |
| 7 | 420316103013 | VEERAMANI KANDAN M | | | | | | | | | | | | | | | |
| 8 | 420316103014 | VIDHYABARATHY R | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420316103015 | VIGNESH R | | | | | | | | | | | | | | | |
| 10 | 420316103016 | VINODHA R | | | | | | | | | | | | | | | |
| 11 | 420316103301 | ILAMPARITHI K | | | | | | | | | | | | | | | |
| 12 | 420316103302 | KALAIYARASAN M | | | | | | | | | | | | | | | |
| 13 | 420316103303 | SAKTHI S | | | | | | | | | | | | | | | |

ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)

Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 07.8.2018 | 08.8.2018 | 9.8.2018 | 10.8.2018 | 11.8.2018 | 13.8.2018 | 14.8.2018 | 16.8.2018 | 17.8.2018 | 18.8.2018 | 20.8.2018 | 21.8.2018 | 23.8.2018 | 24.8.2018 | 25.8.2018 |
| 1 | 420316103005 | NAVEEN KRISHNA KG | | | | | | | | | | | | | | | |
| 2 | 420316103006 | POOVARASAN A | | | | | | | | | | | | | | | |
| 3 | 420316103007 | RAJIVGANDHI R | | | | | | | | | | | | | | | |
| 4 | 420316103008 | RAMKI R | | | | | | | | | | | | | | | |
| 5 | 420316103010 | SANTHOSHKUMAR P | | | | | | | | | | | | | | | |
| 6 | 420316103011 | SARANYA R | | | | | | | | | | | | | | | |
| 7 | 420316103013 | VEERAMANI KANDAN | | | | | | | | | | | | | | | |
| 8 | 420316103014 | VIDHYABARATHY R | | | | | | | | | | | | | | | |
| 9 | 420316103015 | VIGNESH R | | | | | | | | | | | | | | | |
| 10 | 420316103016 | VINODHA R | | | | | | | | | | | | | | | |
| 11 | 420316103301 | ILAMPARITHI K | | | | | | | | | | | | | | | |
| 12 | 420316103302 | KALAIYARASAN M | | | | | | | | | | | | | | | |
| 13 | 420316103303 | SAKTHI | | | | | | | | | | | | | | | |

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## DEPARTMENT OF CIVIL

## VALUE ADDED COURSE ON RIVER ENGINEERING

**STUDENTS ASSESMENT MARK LIST [III- YEAR]:** **DATE:25.08.2018**

| SL.NO. | REG NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| 1 | 420316103005 | NAVEEN KRISHNA K G | 73 |
| 2 | 420316103006 | POOVARASAN A | 75 |
| 3 | 420316103007 | RAJIVGANDHI R | 56 |
| 4 | 420316103008 | RAMKI R | 82 |
| 5 | 420316103010 | SANTHOSH KUMAR P | 72 |
| 6 | 420316103011 | SARANYA R | 83 |
| 7 | 420316103013 | VEERAMANI KANDAN M | 85 |
| 8 | 420316103014 | VIDHYABARATHY R | 73 |
| 9 | 420316103015 | VIGNESH R | 67 |
| 10 | 420316103016 | VINODHA R | 69 |
| 11 | 420316103301 | ILAMPARITHI K | 59 |
| 12 | 420316103302 | KALAIYARASAN M | 67 |
| 13 | 420316103303 | SAKTHI S | 81 |

13

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....NAVEEN KRISHNA.K.G...has participated in the 30 days Values added course on "River engineering" organized by the Department of CIVIL, A R Engineering college , held on 13.07.2018 to 25.08.2018

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R.PANNEERDHASS M.E.,P
PRINCIPAL
A.R.Engineering College
Vadakuchipalayam, Kappiyampuliyur PO
Villupuram-605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF MECHANICAL ENGINEERING

## PERMISSION LETTER

DATE:07.07.2018

**FROM**

The HOD
Department Of MECH
AR Engineering college
Kappiyampuliyur.

**TO**

The principal

AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "value added course on CREO" on **13.07.2018 TO 27.08.2018.** We request you to grant permission for the same.

**Name of the Course:**"value added course on CREO

**Course-Coordinator :** Mr.D.Sakthivel

Assistant professor/Department of MECH
AR Engineering College

Kappiyampuliyur.

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Thanking you

Your's sincerely

**DEPARTMENT OF MECH**

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## CIRCULAR

DATE:10.07.2018

The department of mechanical engineering has planned to conduct a Course title "value added course on CREO"for MECH students from13.07.2018 TO 27.08.2018.All the III year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| **Course title** | **VALUE ADDED COURSE ON CREO** |
| Course code | VACMECH102 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 13.07.2018 TO 27.08.2018 |
| Timing | 5.00PM-6.00PM |
| Course Co-Ordinator | Mr.D.Sakthivel |
| Resource person | Dr.R.Anbazhagan |
| Certificate | Yes |

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE ON CREO"

DEPARTMENT OF MECH

13.07.2018 TO 27.08.2018

Time:5.00pm to6.00 Pm

**Co-ordinator:**

Mr.D.Sakthivel

AP/Department of Mech

**Resource Person:**

Dr.R.Anbazhagan

HOD/Department of Mech

**Organized by**

DEPARTMENT OF Mech

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- This course aims to help product designers and engineers in developing a product design virtually.
- Creo is equipped with all the capabilities that are required for completing a product design.

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE ON CREO

13.07.2018 TO 27.08.2018

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.course/signup

For more information contact

Course coordinator:9159166467

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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KAPPIYAMPULIYUR POST,
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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF MECH

### VALUE ADDED COURSE ON CREO

**DATE:13.07.2018 TO 27.08.2018** **HOURS:31**

**COURSE CONTENT:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction to CAD/CAE | 13.07.2018 | 1 hr |
| 2 | Parametric Design,Associative,feature Based modeling | 14.07.2018 | 1 hr |
| 3 | Parent and child relationship | 16.07.2018 | 1 hr |
| 4 | Graphic user interface of creo Getting started with creo engineering. | 17.07.2018 | 1 hr |
| 5 | Creation tools,Modifying tools | 18.07.2018 | 1 hr |
| 6 | Dimensioning & Constraints | 19.07.2018 | 1hr |
| 7 | Sketcher palette,Sketcher relations | 20.07.2018 | 1 hr |
| 8 | Part modeling,Getting started with part modelling | 21.07.2018 | 1hr |
| 9 | Datum features and cosmetic features | 23.07.2018 | 1 hr |
| 10 | View manager,Model analysis | 24.07.2018 | 1 hr |
| 11 | Edit options-setup. | 25.07.2018 | 1 hr |
| 12 | Basic surface creation tools | 26.07.2018 | 1 hr |
| 13 | Flatten quilt,vertex round,N-sided patch Boundary blend. | 03.08.2018 /04.08.2018 | 2 hrs |
| 14 | Getting started with assembly | 06.08.2018 | 1 hrs |
| 15 | Bottom-up approach | 07.08.2018/08.08.2018 | 2 hrs |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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VADAKUCHIPALAYAM
KAPPIYAMPULIYUR
VILLUPURAM-605

| | | | |
|---|---|---|---|
| 16 | Assembly constraints | 09.08.2018 | 1 hr |
| 17 | Top-down approach,Exploded views | 10.08.2018/11.08.2018/13.08.2018 | 3 hrs |
| 18 | Bottom-up approach | 14.08.2018/16.08.2018 | 2 hrs |
| 19 | Assembly constraints | 17.08.2018/18.08.2018 | 2 hrs |
| 20 | Top-down approach | 20.08.2018/21.08.2018 | 2 hrs |
| 21 | Exploded views | 23.08.2018/24.08.2018 | 2 hrs |
| 22 | Simplified representations | 25.08.2018/27.08.2018 | 2 hrs |
| | | TOTAL | 31 hrs |

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## DEPARTMENT OF MECH

## VALUE ADDED COURSE ON CREO

**STUDENTS NAME LIST :**[III-YEAR] **DATE:13.07.2018 TO 27.08.2018**

**TOTAL HOURS: 31 HRS**

| S.NO | REG.NO | NAME OF THE STUDENT | SIGNATURE |
|---|---|---|---|
| 1 | 420316114003 | Anbumani S | |
| 2 | 420316114004 | Arunkumar E | |
| 3 | 420316114006 | Balasubramani S | |
| 4 | 420316114008 | Chandru S | |
| 5 | 420316114010 | Dhinesh R | |
| 6 | 420316114012 | Jeevanathan E | |
| 7 | 420316114013 | Kadamban S | |
| 8 | 420316114016 | Krishnaraj P | |
| 9 | 420316114018 | Mathivathanan M | |
| 10 | 420316114020 | Muthuvel P | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | |
|---|---|---|---|
| 11 | 420316114021 | Nagaraj A | Nagaraj |
| 12 | 420316114023 | Prabakaran K | Prabakaran |
| 13 | 420316114024 | Prasanna S | Prasanna |
| 14 | 420316114026 | Praveenkumar K | praveen kumar K |
| 15 | 420316114027 | Praveenkumar M | praveenkumar M. |
| 16 | 420316114029 | Seenuvasan N | Seenuvasan N |
| 17 | 420316114031 | Senthamizhselvan S | Senthi |
| 18 | 420316114033 | Sivakumar M | Sivakumar |
| 19 | 420316114034 | Suriyaprakashraj M | Suriyarockers. |
| 20 | 420316114035 | Surya K | Surya.K |
| 21 | 420316114037 | Sushil Kumar G | G. Sushil |
| 22 | 420316114039 | Thirumathi M | Thirumathi |
| 23 | 420316114040 | Vignesh S | Vignesh.S |
| 24 | 420316114041 | Vigneshkumar V | Vigneshkumar |
| 25 | 420316114042 | Vigneshwaran S | S. VIGNESH |
| 26 | 420316114043 | Vinayagamurthy E | Vinayagamurthy |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | |
|---|---|---|---|
| 27 | 420316114301 | Anbumani T | |
| 28 | 420316114302 | Balaji A | |
| 29 | 420316114303 | Manimaran .M | |
| 30 | 420316114304 | Narasimman M | |
| 31 | 420316114305 | Pushparaj | |
| 32 | 420316114306 | Raja durai. R | |
| 33 | 420316114307 | Selva S | |
| 34 | 420316114308 | Vignesh R | |
| 35 | 420316114309 | Vinoth M | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.FAKKEERDHASS,M.E.,Ph.D.,
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A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## DEPARTMENT OF MECH

## VALUE ADDED COURSE ON CREO

**ATTENDENCE SHEET:[III-YEAR]** **DATE:13.07.2018 TO 27.08.2018**

**TOTAL HOURS: 31 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.7.2018 | 14.7.2018 | 16.7.2018 | 17.7.2018 | 18.7.2018 | 19.7.2018 | 20.7.2018/ | 21.07.2018 | 23.07.2018 | 24.07.2018 | 25.8.2018 | 26.8.2018 | 03.8.2018 | 04.8.2018 | 06.8.2018 |
| 1 | 420316114003 | Anbumani S | | | | | | | | | | | | | | | |
| 2 | 420316114004 | Arunkumar E | | | | | | | | | | | | | | | |
| 3 | 420316114006 | Balasubramani S | | | | | | | | | | | | | | | |
| 4 | 420316114008 | Chandru S | | | | | | | | | | | | | | | |
| 5 | 420316114010 | Dhinesh R | | | | | | | | | | | | | | | |
| 6 | 420316114012 | Jeevanathan E | | | | | | | | | | | | | | | |
| 7 | 420316114013 | Kadamban S | | | | | | | | | | | | | | | |
| 8 | 420316114016 | Krishnaraj P | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420316114018 | Mathivathanan M | | | | | | | | | | | | | | | |
| 10 | 420316114020 | Muthuvel P | | | | | | | | | | | | | | | |
| 11 | 420316114021 | Nagaraj A | | | | | | | | | | | | | | | |
| 12 | 420316114023 | Prabakaran K | | | | | | | | | | | | | | | |
| 13 | 420316114024 | Prasanna S | | | | | | | | | | | | | | | |
| 14 | 420316114026 | Praveenkumar K | | | | | | | | | | | | | | | |
| 15 | 420316114027 | Praveenkumar M | | | | | | | | | | | | | | | |
| 16 | 420316114029 | Seenuvasan N | | | | | | | | | | | | | | | |
| 17 | 420316114031 | Senthamizhselvan S | | | | | | | | | | | | | | | |
| 18 | 420316114033 | Sivakumar M | | | | | | | | | | | | | | | |
| 19 | 420316114034 | Suriyaprakashraj M | | | | | | | | | | | | | | | |
| 20 | 420316114035 | Surya K | | | | | | | | | | | | | | | |
| 21 | 420316114037 | Sushil Kumar G | | | | | | | | | | | | | | | |
| 22 | 420316114039 | Thirumathi M | | | | | | | | | | | | | | | |
| 23 | 420316114040 | Vignesh S | | | | | | | | | | | | | | | |
| 24 | 420316114041 | Vigneshkumar V | | | | | | | | | | | | | | | |
| 25 | 420316114042 | Vigneshwaran S | | | | | | | | | | | | | | | |
| 26 | 420316114045 | Vinayagamurthy E | | | | | | | | | | | | | | | |
| 27 | 420316114301 | Anbumani T | | | | | | | | | | | | | | | |
| 28 | 420316114302 | Balaji A | | | | | | | | | | | | | | | |

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VILLUPURAM-605 601

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 420316114303 | Manimaran .M | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani | m.mani |
| 30 | 420316114304 | Narasimman M | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |
| 31 | 420316114305 | Pushparaj | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar | pushpar |
| 32 | 420316114306 | Raja durai. R | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja | Raja |
| 33 | 420316114307 | Selva S | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |
| 34 | 420316114308 | Vignesh R | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |
| 35 | 420316114309 | Vinoth M | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 07.8. 2018 | 08.8. 2018 | 9.8. 2018 | 10.8. 2018 | 11.8. 2018 | 13.8.2 018 | 14.8. 2018 | 16.8. 2018 | 17.8. 2018 | 18.8. 2018 | 20.8. 2018 | 21.8. 2018 | 23.8. 2018 | 24.8. 2018 | 25.8. 2018 | 27.8. 2018 |
| 1 | 420316114003 | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S | Anbumani S |
| 2 | 420316114004 | Arunkumar E | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE | ArunE |
| 3 | 420316114006 | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S | Balasubramani S |
| 4 | 420316114008 | Chandru S | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru | chandru |
| 5 | 420316114010 | Dhinesh R | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R. PANNE
A.R. ENGINEERING COLLEGE
VADAKUCHIPALAYAM
KAPPIYAMPULIYUR
VILLUPURAM-605 601

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)

Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 420316114012 | Jeevanathan E | | | | | | | | | | | | | | | |
| 7 | 420316114013 | Kadamban S | | | | | | | | | | | | | | | |
| 8 | 420316114016 | Krishnaraj P | | | | | | | | | | | | | | | |
| 9 | 420316114018 | Mathivathanan M | | | | | | | | | | | | | | | |
| 10 | 420316114020 | Muthuvel P | | | | | | | | | | | | | | | |
| 11 | 420316114021 | Nagaraj A | | | | | | | | | | | | | | | |
| 12 | 420316114023 | Prabakaran K | | | | | | | | | | | | | | | |
| 13 | 420316114024 | Prasanna S | | | | | | | | | | | | | | | |
| 14 | 420316114026 | Praveenkumar K | | | | | | | | | | | | | | | |
| 15 | 420316114027 | Praveenkumar M | | | | | | | | | | | | | | | |
| 16 | 420316114029 | Seenuvasan N | | | | | | | | | | | | | | | |
| 17 | 420316114031 | Senthamizhselvan S | | | | | | | | | | | | | | | |
| 18 | 420316114033 | Sivakumar M | | | | | | | | | | | | | | | |
| 19 | 420316114034 | Suriyaprakashraj M | | | | | | | | | | | | | | | |
| 20 | 420316114035 | Surya K | | | | | | | | | | | | | | | |
| 21 | 420316114037 | Sushil Kumar G | | | | | | | | | | | | | | | |
| 22 | 420316114039 | Thirumathi M | | | | | | | | | | | | | | | |
| 23 | 420316114040 | Vignesh S | | | | | | | | | | | | | | | |
| 24 | 420316114041 | Vigneshkumar V | | | | | | | | | | | | | | | |
| 25 | 420316114042 | Vigneshwaran S | | | | | | | | | | | | | | | |

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R. ANNEERDHASS, M.E., Ph.D.
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VILLUPURAM-605 601.

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| | | | |
|---|---|---|---|
| 26 | 420316114045 | Vinayagamurthy E | |
| 27 | 420316114301 | Anbumani T | |
| 28 | 420316114302 | Balaji A | |
| 29 | 420316114303 | Manimaran .M | |
| 30 | 420316114304 | Narasimman M | |
| 31 | 420316114305 | Pushparaj | |
| 32 | 420316114306 | Raja durai. R | |
| 33 | 420316114307 | Selva S | |
| 34 | 420316114308 | Vignesh R | |
| 35 | 420316114309 | Vinoth M | |

COURSE CO-ORDINATOR

HOD

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF MECH

## VALUE ADDED COURSE ON CREO

**STUDENTS ASSESMENT MARK LIST :**[III-YEAR] **DATE:21.07.2018**

| S.NO | REG.NO | NAME OF THE STUDENT | MARK |
|---|---|---|---|
| 1 | 420316114003 | Anbumani S | B |
| 2 | 420316114004 | Arunkumar E | A |
| 3 | 420316114006 | Balasubramani S | B+ |
| 4 | 420316114008 | Chandru S | A+ |
| 5 | 420316114010 | Dhinesh R | B |
| 6 | 420316114012 | Jeevanathan E | O |
| 7 | 420316114013 | Kadamban S | B |
| 8 | 420316114016 | Krishnaraj P | A+ |
| 9 | 420316114018 | Mathivathanan M | B |
| 10 | 420316114020 | Muthuvel P | A |
| 11 | 420316114021 | Nagaraj A | B+ |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 12 | 420316114023 | Prabakaran K | A+ |
| 13 | 420316114024 | Prasanna S | B+ |
| 14 | 420316114026 | Praveenkumar K | A+ |
| 15 | 420316114027 | Praveenkumar M | B |
| 16 | 420316114029 | Seenuvasan N | O |
| 17 | 420316114031 | Senthamizhselvan S | A+ |
| 18 | 420316114033 | Sivakumar M | B+ |
| 19 | 420316114034 | Suriyaprakashraj M | A |
| 20 | 420316114035 | Surya K | A+ |
| 21 | 420316114037 | Sushil Kumar G | A |
| 22 | 420316114039 | Thirumathi M | A+ |
| 23 | 420316114040 | Vignesh S | B |
| 24 | 420316114041 | Vigneshkumar V | A+ |
| 25 | 420316114042 | Vigneshwaran S | A |
| 26 | 420316114045 | Vinayagamurthy E | B |
| | 420316114301 | Anbumani T | O |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 28 | 420316114302 | Balaji A | B+ |
| 29 | 420316114303 | Manimaran .M | A |
| 30 | 420316114304 | Narasimman M | A+ |
| 31 | 420316114305 | Pushparaj | A |
| 32 | 420316114306 | Raja durai. R | A+ |
| 33 | 420316114307 | Selva S | B+ |
| 34 | 420316114308 | Vignesh R | A |
| 35 | 420316114309 | Vinoth M | A+ |

30

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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DEPARTMENT OF MECH

VALUE ADDED COURSE ON CREO

**STUDENTS ASSESMENT MARK LIST :**[III-YEAR] **DATE:27.08.2018**

| S.NO | REG.NO | NAME OF THE STUDENT | MARK |
|---|---|---|---|
| 1 | 420316114003 | Anbumani S | A |
| 2 | 420316114004 | Arunkumar E | B |
| 3 | 420316114006 | Balasubramani S | O |
| 4 | 420316114008 | Chandru S | B+ |
| 5 | 420316114010 | Dhinesh R | A |
| 6 | 420316114012 | Jeevanathan E | A+ |
| 7 | 420316114013 | Kadamban S | A |
| 8 | 420316114016 | Krishnaraj P | A+ |
| 9 | 420316114018 | Mathivathanan M | B |
| 10 | 420316114020 | Muthuvel P | A+ |
| 11 | 420316114021 | Nagaraj A | A |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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| | | | |
|---|---|---|---|
| 12 | 420316114023 | Prabakaran K | B+ |
| 13 | 420316114024 | Prasanna S | A |
| 14 | 420316114026 | Praveenkumar K | A+ |
| 15 | 420316114027 | Praveenkumar M | A |
| 16 | 420316114029 | Seenuvasan N | A+ |
| 17 | 420316114031 | Senthamizhselvan S | A |
| 18 | 420316114033 | Sivakumar M | B+ |
| 19 | 420316114034 | Suriyaprakashraj M | O |
| 20 | 420316114035 | Surya K | A+ |
| 21 | 420316114037 | Sushil Kumar G | O |
| 22 | 420316114039 | Thirumathi M | A |
| 23 | 420316114040 | Vignesh S | A+ |
| 24 | 420316114041 | Vigneshkumar V | B+ |
| 25 | 420316114042 | Vigneshwaran S | O |
| 26 | 420316114045 | Vinayagamurthy E | A |
| 27 | 420316114301 | Anbumani T | A+ |

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R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 28 | 420316114302 | Balaji A | O |
| 29 | 420316114303 | Manimaran .M | B |
| 30 | 420316114304 | Narasimman M | A |
| 31 | 420316114305 | Pushparaj | O |
| 32 | 420316114306 | Raja durai. R | A+ |
| 33 | 420316114307 | Selva S | A |
| 34 | 420316114308 | Vignesh R | B+ |
| 35 | 420316114309 | Vinoth M | A |

33

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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A.R.ENGINEERING COLLEGE
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605 601

# A. R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | MECH |
| **Type of Event:** | value added course |
| **Event Title:** | CREO |
| **Date & Time:** | 13.07.2018 TO 27.08.2018/5.00 pm to 6.00 pm |
| **Venue :** | AREC |
| **Organizer:** | AREC–MECH |
| **Coordinator:** | Mr.D.Sakthivel |
| **Resource person** | Dr.R.Anbazhagan |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | The value added course started with 35 participants on 13.07.2018 TO 27.08.2018<br>• at 5.00 pm with welcome address and introduction by the co-ordinator Mr.D.Sakthivel,**AP/MECH,AREC.**<br>• Resource person Dr.R.Anbazhagan HOD DEPARTMENT OF MECH has cover the basic of the value added course CREO and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with CREO<br>Students really enjoyed the session and learnt a lot. Now **35 students** will be able to apply the concept and its application.<br>• **Mr.K.Naveen, AP/MECH,AREC,**proposed the vote of thanks to the participants and organizers. |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A R ENGINEERING COLLEGE

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Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms .....ANBUMANI.S.....has participated in the 31 days Values added course on "CREO" organized by the Department of MECH, A R Engineering college , held on 13.07.2018 to 27.08.2018

HOD

PRINCIPAL

Dr. R. PANNEERDHASS M.E., Ph.D.,
PRINCIPAL
A.R. Engineering College,
Vadakuchipalayam, Kappiyampuliyur Post,
Villupuram Dt. 605 601

# A. R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF EEE

## PERMISSION LETTER

DATE:07.07.2018

**FROM**

The HOD
Department Of EEE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal

AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "**Value added course catia V5**" on 13.07.2018 TO25.08.2018. We request you to grant permission for the same.

**Name of the Course: "Value added course catia V5"**

**Course-Coordinator :** Mr.G.Gnanavel

Assistant professor/Department of EEE

AR Engineering College

Kappiyampuliyur.

Thanking you

Your's sincierly

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OFEEE

## CIRCULAR

DATE:10.07.2018

The Department of Electrical and Electronic Engineering has planned to conduct a Course title"**Value added course catia V5**"for EEE students from13.07.2018 TO 25.08.2018.All the III &IVyear students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| **COURSE TITLE** | VALUE ADDED COURSE CATIA V5 |
| Course code | VACEEE103 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 13.07.2018 TO 25.08.2018 |
| Timing | 5.00PM-6.00PM |
| Course Co-Ordinator | Mr.G.Gnanavel |
| Resource person | Dr.K.Krishnakumar |
| Certificate | Yes |

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE ON CATIA V5"

DEPARTMENT OF EEE

13.07.2018 TO 25.08.2018

Time:05.00 Am to6.00 Pm

**Co-ordinator:**

**Mr.G.Gnanavel**

AP/Department of EEE

**Resource Person:**

**Dr.K.Krishnakumar**

HOD/Department of EEE

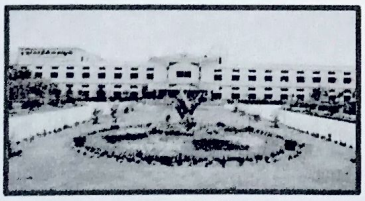
**VRS ENGINEERING COLLEGE**

**Organized by**

DEPARTMENT OF EEE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- To develop proficiency in using CATIA V5 for 3D modelling, assembly design, surface design,and grafting.
- To equip students with the necessary skills and knowledge to persue self employment oppurtunities as CATIA V5 professionals.

**A.R ENGINEERING COLLEGE**

"VALUE ADDED COURSE ON CATIA V5"

13.07.2018 TO 25.08.2018

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.course./signin

For more information contact

Course coordinator:9159166467

R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM.
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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## DEPARTMENT OF EEE

## VALUE ADDED COURSE CATIA V5

DATE:13.07.2018 TO 25.08.2018 HOURS:30

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction | 13.07.2018 | 1 hr |
| 2 | Part Design and sketching,Product structure Part design | 14.07.2018/16.07.2018/17.07.2018 | 3 hr |
| 3 | Assembly sketcher,Wire frame and surface | 18.07.2018/19.07.2018/20.07.2018 | 3 hr |
| 4 | Product structurs and assembly modeling More advance part design. | 21.07.2018/23.07.2018/24.07.2018/ 25.07.2018 | 4 hr |
| 5 | Free style shape ,Digital Shape editor, Knowledge ware. | 26.07.2018/03.08.2018/04.08.2018/ 6.08.2018 | 4 hr |
| 6 | Wire frame and surface ,Drafting | 07.08.2018/08.08.2018/09.08.2018 | 3 hr |
| 7 | Photo studio 4G navigator | 10.08.2018/11.08.2018 | 2 hr |
| 8 | Finte element analys. | 13.08.2018/14.08.2018/16.08.2018/ 17.08.2018 | 4 hr |
| 9 | Data exchange | 18.08.2018/20.08.2018 | 2 hr |
| 10 | Parameters and formulas | 21.08.2018/23.08.2018/24.08.2018 | 3 hr |
| 11 | Manufacturing | 25.08.2018 | 1 hr |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,
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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF EEE

## VALUE ADDED COURSE CATIA V5

**STUDENTS NAME LIST :[III&IV -YEAR]** **DATE:13.07.2018 TO 25.08.2018**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420316105003 | MELKY KING GNANARAJ J | Melky King Gnanaraj J |
| 2 | 420316105005 | RADHA KRISHNAN N | Radha krishnan.N. |
| 3 | 420316105006 | SOUNDHARYA M | M Soundharya |
| 4 | 420316105008 | VIJAY R | Vijay |
| 5 | 420316105009 | VIMALRAJ V | Vimalraj |
| 6 | 420316105303 | NANDHINI K | Nandhini K |
| 7 | 420316105304 | RAJESH M | Rajesh |
| 8 | 420316105305 | RAMACHANDIRAN A | Ramachandiran. A |
| 9 | 420316105308 | VIKNESH K | Viknesh. K |
| 10 | 420316105701 | MANIKANDAN R | Manikandan. R |
| 11 | | VIJAI B | Vijai |

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| | | | |
|---|---|---|---|
| 12 | | RANJITH A | |
| 13 | | SATHISHKUMAR S | |
| 14 | | SARATHY A | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
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## DEPARTMENT OF EEE

## VALUE ADDED COURSE CATIA V5

**ATTENDENCE SHEET:[III&IV -YEAR]**

**DATE:13.07.2018 TO 25.08.2018**

**TOTAL HOURS: 30 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.7.2018 | 14.7.2018 | 16.7.2018 | 17.7.2018 | 18.7.2018 | 19.7.2018 | 20.7.2018/ | 21.07.2018 | 23.07.2018 | 24.07.2018 | 25.8.2018 | 26.8.2018 | 03.8.2018 | 04.8.2018 | 06.8.2018 |
| 1 | 420316105003 | MELKY KING GNANARAJ J | Melky king Gnanaraj J | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj | Melky king Gnanaraj |
| 2 | 420316105005 | RADHA KRISHNAN N | RADHA Krishnan | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn | Radha Krishn |
| 3 | 420316105006 | SOUNDHARYA M | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary | Soundhary |
| 4 | 420316105008 | VIJAY R | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay |
| 5 | 420316105009 | VIMAL RAJ V | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj | Vimal Raj |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 420316105303 | NANDHINI K | | | | | | | | | | | | | | | |
| 7 | 420316105304 | RAJESH M | | | | | | | | | | | | | | | |
| 8 | 420316105305 | RAMACHANDIRAN A | | | | | | | | | | | | | | | |
| 9 | 420316105308 | VIKNESH K | | | | | | | | | | | | | | | |
| 10 | 420316105701 | MANIKANDAN R | | | | | | | | | | | | | | | |
| 11 | | VIJAI B | | | | | | | | | | | | | | | |
| 12 | | RANJITH A | | | | | | | | | | | | | | | |
| 13 | | SATHISHKUMAR S | | | | | | | | | | | | | | | |
| 14 | | SARATHY A | | | | | | | | | | | | | | | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 07.8.2018 | 08.8.2018 | 9.8.2018 | 10.8.2018 | 11.8.2018 | 13.8.2018 | 14.8.2018 | 16.8.2018 | 17.8.2018 | 18.8.2018 | 20.8.2018 | 21.8.2018 | 23.8.2018 | 24.8.2018 | 25.8.2018 |
| 1 | 420316105003 | MELKY KING GNANARAJ J | Melky King. Gnanaraj | Melky King. Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King. Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj | Melky King Gnanaraj |
| 2 | 420316105005 | RADHA KRISHNAN N | Radha Krish nan | Radha krish nan | Radha Krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan | Radha krish nan |
| 3 | 420316105006 | SOUNDHARYA M | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun | Soun |
| 4 | 420316105008 | VIJAY R | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij | Vij |
| 5 | 316105009 | VIMALRAJ V | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj | Vimj |
| 6 | 420316105303 | NANDHINI K | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandi | Nandini |
| 7 | 420316105304 | RAJESH M | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh | Rajesh |
| 8 | 420316105305 | RAMACHANDIRAN A | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm | Ramm |

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KAPPIYAMPULIYI

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420316105308 | VIKNESH K | | | | | | | | | | | | | | | |
| 10 | 420316105701 | MANIKANDAN R | | | | | | | | | | | | | | | |
| 11 | | VIJAI B | | | | | | | | | | | | | | | |
| 12 | | RANJITH A | | | | | | | | | | | | | | | |
| 13 | | SATHISHKUMAR S | | | | | | | | | | | | | | | |
| 14 | | SARATHY A | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

Dr.R.PANNEERDHASS M.E., Ph.D.,
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## DEPARTMENT OF EEE

## VALUE ADDED COURSE CATIA V5

**STUDENTS ASSESMENT NAME LIST :[III&IV -YEAR]** **DATE:23.07.2018**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420316105003 | MELKY KING GNANARAJ J | 76 |
| 2 | 420316105005 | RADHA KRISHNAN N | 74 |
| 3 | 420316105006 | SOUNDHARYA M | 69 |
| 4 | 420316105008 | VIJAY R | 82 |
| 5 | 420316105009 | VIMALRAJ V | 59 |
| 6 | 420316105303 | NANDHINI K | 68 |
| 7 | 420316105304 | RAJESH M | 91 |
| 8 | 420316105305 | RAMACHANDIRAN A | 73 |
| 9 | 420316105308 | VIKNESH K | 61 |
| 10 | 420316105701 | MANIKANDAN R | 73 |

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| | | | |
|---|---|---|---|
| 11 | | VIJAY B | 87 |
| 12 | | RANJITH A | 86 |
| 13 | | SATHISHKUMAR S | 85 |
| 14 | | SARATHY A | 74 |

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## DEPARTMENT OF EEE

## VALUE ADDED COURSE CATIA V5

**STUDENTS ASSESMENT NAME LIST :[III&IV -YEAR]** **DATE:25.08.2018**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420316105003 | MELKY KING GNANARAJ J | 78 |
| 2 | 420316105005 | RADHA KRISHNAN N | 68 |
| 3 | 420316105006 | SOUNDHARYA M | 69 |
| 4 | 420316105008 | VIJAY R | 75 |
| 5 | 420316105009 | VIMALRAJ V | 68 |
| 6 | 420316105303 | NANDHINI K | 75 |
| 7 | 420316105304 | RAJESH M | 88 |
| 8 | 420316105305 | RAMACHANDIRAN A | 79 |
| 9 | 420316105308 | VIKNESH K | 72 |
| 10 | 420316105701 | MANIKANDAN R | 68 |

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VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 11 | | VIJAY B | 99 |
| 12 | | RANJITH A | 67 |
| 13 | | SATHISHKUMAR S | 58 |
| 14 | | SARATHY A | 79 |

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| ONE PAGE REPORT | |
|---|---|
| **Department:** | EEE |
| **Type of Event:** | certificate course |
| **Event Title:** | **Catia v5** |
| **Date & Time:** | 13.07.2018 TO 27.08.2018/5.00 pm to 6.00pm |
| **Venue :** | AREC |
| **Organizer:** | AREC–EEE |
| **Coordinator:** | **Mr.G.Gnanavel** |
| **Resource person** | **Dr.K.Krishnakumar** |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | The value added course started with 14 participants on 13.07.2018 TO 27.08.2018 at 5.00pm with welcome Address and introduction by the co-ordinator **Mr.G.Gnanavel,AP/EEE,AREC.**<br>• Resource person **Dr.K.Krishnakumar HOD of DEPARTMENT EEE VRS ENGINEERING COLLEGE** has cover the basic of the**Value added course catia V5**and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with **Value added course catia V5**Students reallyenjoyed the session and learnt a lot. Now **14students** will be able to apply the concept and its application.<br>• **Mr.P.Karthik, AP/EEE,AREC,**proposed the vote of thanks to the participants and organizers. |

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This is to certify that Mr./Ms MELKY KING GNANARAJ has participated in the 30 days Values added course on "CATIA V5" organized by the Department of EEE, A R Engineering college , held on 13.07.2018 TO 25.8.2018

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R. PANNEERDHASS M.E.,Ph.D.,
PRINCIPAL
A.R.Engineering College,
Vadakuchipalayam, Kappiyampuliyur Post,
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## DEPARTMENT OF CIVIL

## PERMISSION LETTER

**DATE:07.07.2018**

**FROM**

The HOD
Department Of Civil
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct **"Value-added course onSustainable water resources management"** on 13.07.2018 TO 27.08.2018**.** We request you to grant permission for the same.

**Name of the Course:**Sustainable water resources management

**Course-Co ordinator :** Mr.D.Thulabamani
Assistant professor/Department of Civil
AR Engineering College
Kappiyampuliyur.

Thanking you

Yours sincerely

R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM.
KAPPIYAMPULIYUR POST,
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## DEPARTMENT OF CIVIL

## CIRCULAR

DATE:10.07.2018

The department of Civil Engineering has planned to conduct a "value added course onSustainable water resources management"for civil students from13.07.2018 TO 27.08.2018.All the IV year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Value added course on sustainable water resources management |
| Course code | VACCIVIL104 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 13.07.2018 TO 27.08.2018 |
| Timing | 5.00pm-6.00 pm |
| Course Co-Ordinator | Mr.D.Thulabamani |
| Resource person | Dr.P.Gnanavel |
| Certificate | Yes |

HOD

A.R.ENGINEERING COLLEGE VILLUPURAM

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
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## A.R ENGINEERING COLLEGE

**"VALUE ADDED COURSE ON SUSTAINABLE WATER RESOURCES MANAGEMENT"**

**DEPARTMENT OF CIVIL**

13.07.2018 TO 27.08.2018

Time:05.00 pm to 6.00 Pm

**Co-ordinator:**

Mr.D.Thulabamani

AP/Department of CIVIL

**Resource Person:**

Dr.P.Gnanavel

HOD/Department of Civil

MRK Engineering college

**Organized by**

DEPARTMENT OF CIVIL

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- Promoting conditions for environmentally sustainable economically efficient and equitably allocated use of water resource

**A.R ENGINEERING COLLEGE**

**VALUE ADDED COURSE ON SUSTAINABLE WATER RESOURCES MANAGEMENT**

13.07.2018 TO 27.08.2018

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registrationlink:**

https://arec.addon.course/signup

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF CIVIL

## SUSTAINABLE WATER RESOURCES MANAGEMENT

DATE:13.07.2018 TO 27.08.2018 HOURS:31

**Learning Objectives :**

1. To know and understand the importance of water quality.
2. To know the salient features of Ground water resources
3. To know the role of watershed in water resources management.

**Course Outcomes :**

At the end students can

1. Understand the importance of Water resources
2. Understand the importance of Water resources Development
3. Understand the concept of Watershed practices.
4. Understand the Occurrence of Ground water
5. Experimental practice according to the present water issues.

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction | 13.07.2018 | 1 hr |
| 2 | Water resources survey – Water resources of India andTamilnadu | 14.07.2018 | 1 hr |
| 3 | Description of water resources planning | 16.07.2018 | 1 hr |
| 4 | National Water Policy- Properties of water | 17.07.2018 | 1 hr |
| 5 | Water quality standards-WHO& APHA Standards. Water resources development | 18.07.2018 | 1 hr |
| 6 | Water resources development | 19.07.2018 | 1hr |

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| | | | |
|---|---|---|---|
| 7 | Scope and aims of master plan for irrigation tanks | 20.07.2018 | 1 hr |
| 8 | Farm ponds and percolation ponds, Rain water harvesting | 21.07.2018 | 1hr |
| 9 | Watershed Characteristics | 23.07.2018 | 1 hr |
| 10 | Concept – Classification | 24.07.2018 | 1 hr |
| 11 | Watershed Programmes | 25.07.2018 | 1 hr |
| 12 | Watershed Management Practices. | 26.07.2018 | 1 hr |
| 13 | Occurrence of Ground water –Utilization of Ground water | 03.08.2018 /04.08.2018 | 2 hrs |
| 14 | Aquifer and its types | 06.08.2018 | 1 hrs |
| 15 | Ground water recharge- Ground water status atState and National level. | 07.08.2018/08.08.2018 | 2 hrs |
| 16 | Sample Collection-Processing Preservations – Testing Kit - | 09.08.2018 | 1 hr |
| 17 | Determination of pH- Acidity and Alkalinity | 10.08.2018/11.08.2018/13.08.2018 | 3 hrs |
| 18 | Turbidity | 14.08.2018/16.08.2018 | 2 hrs |
| 19 | Total Solids- Total volatile solids | 17.08.2018/18.08.2018 | 2 hrs |
| 20 | Total suspended solids | 20.08.2018/21.08.2018 | 2 hrs |
| 21 | Water level indicator at different location demonstration | 23.08.2018/24.08.2018 | 2 hrs |
| 22 | Safety precautions in the Laboratory | 25.08.2018/27.08.2018 | 2 hrs |

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## DEPARTMENT OF CIVIL

## SUSTAINABLE WATER RESOURCES MANAGEMENT

**STUDENTS NAME LIST :[ IV-YEAR ]** **DATE:13.07.2018 TO 27.08.2018**

**TOTAL HOURS: 31 HRS**

| Sl.No. | REG NO | NAME OF THE STUDENT | SIGNATURE |
|---|---|---|---|
| 1 | 420317103001 | PREM KUMAR.T | |
| 2 | 420317103005 | ANITHA S | |
| 3 | 420317103006 | GAYATHRI.M | |
| 4 | 420317103008 | ANGALEESHWARI.E | |
| 5 | 420317103010 | VINODHARAN V | |
| 6 | 420317103012 | KRISHNAKUMAR S | |
| 7 | 420317103013 | SASIKUMAR S | |
| 8 | 420317103014 | AJAY S | |
| 9 | 420317103015 | VIJAYARAGAVAN | |
| 10 | 420317103301 | MANIKANDAN R | |
| 11 | 420317103302 | SUGUVANAN E | |

COURSE CO-ORDINATOR

HOD

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CIVIL

## SUSTAINABLE WATER RESOURCES MANAGEMENT

**ATTENDENCE SHEET:[ IV-YEAR ]** **DATE:13.07.2018 TO 27.08.2018**

**TOTAL HOURS: 31 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 13.7.2018 | 14.7.2018 | 16.7.2018 | 17.7.2018 | 18.7.2018 | 19.7.2018 | 20.7.2018/ | 21.07.2018 | 23.07.2018 | 24.07.2018 | 25.8.2018 | 26.8.2018 | 03.8.2018 | 04.8.2018 | 06.8.2018 |
| 1 | 420317103001 | PREM KUMAR.T | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 2 | 420317103005 | ANITHA S | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 3 | 420317103006 | GAYATHRI.M | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 4 | 420317103008 | ANGALEESHWARI.E | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 5 | 420317103010 | VINODHARAN V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V |
| 6 | 420317103012 | KRISHNAKUMAR S | K | K | K | K | K | K | K | K | K | K | K | K | K | K | K |
| 7 | 420317103013 | SASIKUMAR S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| 8 | 420317103014 | AJAY S | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 9 | 4203171030 | VIJAYAKRAGAVAN | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V |

Dr.R.PANNEERSELVAM M.E., Ph.D.,
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A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601

# A. R. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)

Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 420317103301 | MANIKANDAN R | | | | | | | | | | | | | | | | |
| 11 | 420317103302 | SUGUVANAN E | | | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 | Day 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1 hr |
| | | | 07.8.2018 | 08.8.2018 | 9.8.2018 | 10.8.2018 | 11.8.2018 | 13.8.2018 | 14.8.2018 | 16.8.2018 | 17.8.2018 | 18.8.2018 | 20.8.2018 | 21.8.2018 | 23.8.2018 | 24.8.2018 | 25.8.2018 | 27.8.2018 |
| 1 | 420317103001 | PREM KUMAR.T | | | | | | | | | | | | | | | | |
| 2 | 420317103005 | ANITHA S | | | | | | | | | | | | | | | | |
| 3 | 420317103006 | GAYATHRI.M | | | | | | | | | | | | | | | | |
| 4 | 420317103008 | ANGALEESHWARI.E | | | | | | | | | | | | | | | | |
| 5 | 420317103010 | VINODHARAN V | | | | | | | | | | | | | | | | |
| 6 | 420317103012 | KRISHNAKUMAR S | | | | | | | | | | | | | | | | |
| 7 | 420317103013 | SASIKUMAR S | | | | | | | | | | | | | | | | |
| 8 | 420317103014 | AJAY S | | | | | | | | | | | | | | | | |
| 9 | 420317103015 | VIJAYARAGAVAN | | | | | | | | | | | | | | | | |
| 10 | 420317103301 | MANIKANDAN R | | | | | | | | | | | | | | | | |
| 11 | 420317103302 | SUGUVANAN E | | | | | | | | | | | | | | | | |

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DEPARTMENT OF CIVIL SUSTAINABLE WATER RESOURCES MANAGEMENT

**STUDENTS ASSESMENT MARK LIST :[ IV-YEAR ]** **DATE:26.08.2018**

| Sl.No. | REG NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| 1 | 420317103001 | PREM KUMAR.T | 87 |
| 2 | 420317103005 | ANITHA S | 86 |
| 3 | 420317103006 | GAYATHRI.M | 65 |
| 4 | 420317103008 | ANGALEESHWARI.E | 74 |
| 5 | 420317103010 | VINODHARAN V | 59 |
| 6 | 420317103012 | KRISHNAKUMAR S | 90 |
| 7 | 420317103013 | SASIKUMAR S | 68 |
| 8 | 420317103014 | AJAY S | 84 |
| 9 | 420317103015 | VIJAYARAGAVAN | 68 |
| 10 | 420317103301 | MANIKANDAN R | 83 |
| 11 | 420317103302 | SUGUVANAN E | 75 |

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DEPARTMENT OF CIVIL SUSTAINABLE WATER RESOURCES MANAGEMENT

**STUDENTS ASSESMENT MARK LIST :[ IV-YEAR ]** **DATE:31.08.2018**

| Sl.No. | REG NO | NAME OF THE STUDENT | MARKS |
|---|---|---|---|
| 1 | 420317103001 | PREM KUMAR.T | 68 |
| 2 | 420317103005 | ANITHA S | 84 |
| 3 | 420317103006 | GAYATHRI.M | 68 |
| 4 | 420317103008 | ANGALEESHWARI.E | 83 |
| 5 | 420317103010 | VINODHARAN V | 77 |
| 6 | 420317103012 | KRISHNAKUMAR S | 86 |
| 7 | 420317103013 | SASIKUMAR S | 72 |
| 8 | 420317103014 | AJAY S | 92 |
| 9 | 420317103015 | VIJAYARAGAVAN | 72 |
| 10 | 420317103301 | MANIKANDAN R | 72 |
| 11 | 420317103302 | SUGUVANAN E | 75 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CIVIL |
| **Type of Event:** | VALUE ADDED COURSE |
| **Event Title:** | SUSTAINABLE WATER RESOURCES MANAGEMENT |
| **Date:** | 13.07.2018 TO 27.08.2018/5.00pm to 6.00pm |
| **Venue :** | AREC |
| **Organizer:** | AREC–CIVIL |
| **Coordinator:** | Mr.D.Thulabamani |
| **Resource person:** | Dr.P.Gnanavel |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | The value added course started with 11 participants on 13.07.2018 TO 27.08.2018 at 5.00 pm with welcome address and introduction by the co-ordinator **Mr.D.Thulabamani,AP/Civil,AREC.**<br>• Resource person **Dr.P.GnanavelHOD DEPARTMENT OF CIVILMRK College of engineering** has cover the basic of theSustainable water resources managementand they demonstrated each and every concept.<br>• The students will get hands-on experience in working Sustainable water resources management<br>• Students reallyenjoyed the session and learnt a lot. Now **11students** will be able to apply the concept and its application.<br>• **Mr.D.Thulabamani, AP/Civil,AREC,**proposed the vote of thanks to the participants and organizers. |

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60 61

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This is to certify that Mr./Ms PREM KUMAR.T.....has participated in the 31 days Values added course on "Sustainable water resources management" organized by the Department of CIVIL, A R Engineering college, held on 13.07.2018 TO 27.8.2018

Ginawel
HOD

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## DEPARTMENT OF CSE

## PERMISSION LETTER

**DATE:13.01.2019**

**FROM**

The HOD
Department of CSE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "value added course on data analys is with python" on 21.01.2019 TO 09.03.2019. We request you to grant permission for the same.

**Name of the Course:** value added course on data analysis with python

**Course Co-ordinator :** Mrs.S.Sathya

Assistant professor/Department of CSE
A.R.Engineering college
villupuram

Thanking you

ENGINEERING COLLEGE VILLUPURAM 605 601

Your`s sincierly

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## DEPARTMENT OFCSE

## CIRCULAR

DATE:19.01.2019

The department of computer science engineering has planned to conduct a value added course on data analysis with python for CSE students from 21.01.2019 TO 09.03.2019.All the I year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| COURSE TITLE | VALUE ADDED COURSE ON DATA ANALYSIS WITH PYTHON |
| Course code | VACCSE105 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2019 TO 09.03.2019 |
| Timing | 5.00pm-6.00pm |
| Course Co-Ordinator | Mrs.S.Sathya |
| Resource person | Dr.K.Venkataramana |
| Certificate | Yes |

HOD

PRINCIPAL

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## A.R ENGINEERING COLLEGE

"VALUE ADDED COURSE ON DATA ANALYSIS WITH PYTHON"

**DEPARTMENT OF CSE**

21.01.2019 TO 09.03.2019

**Time:**5.00 pm to6.00 Pm

**Co-ordinator:**

Mrs.K.Sathya

AP/Department of CSE

**Resource Person:**

Dr.K.Venkataramana

HOD/Department of CSE

**Organized by**

DEPARTMENT OF CSE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601
Opp: SIGA hr. sec school



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- Learn about data model creation.
- Explore,analyse,and visualize data
- Shift data using slices in multiple pivot tables.

**A.R ENGINEERING COLLEGE**

VALUE ADDED COURSE

ON DATA ANALYSIS WITH PYTHON

21.01.2019 TO 09.03.2019

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec-addon.course/

For more information contact

Course coordinator:9159166467

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APPIYAMPULIYUR P(.)ST,
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## DEPARTMENT OF CSE

### VALUE ADDED COURSE ON DATA ANALYSIS WITH PYTHON

**DATE:**21.01.2019 TO 09.03.2019 HOURS:30

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction, Handling Raw Data using Numpy and Pandas: Arrays and operations onArrays using NumPy – Data structure of Pandas | 21.01.2019 | 1 hr |
| 2 | Essential functionality –Summarizing and Computing Descriptive Statistics – Handling Missing Data- Inserting and Exporting data from CSV, XLS, JSON, database files | 22.01.2219/23.01.2019/24.01.2019 | 3 hr |
| 3 | Datacleansing – Data Operations – Aggregation and Join operations– Data transformation: Removing duplicates – Transformation of data using function or mapping – Discretization and Binning – Renaming Axis indexes -detecting and filtering outliers | 25.01.2019/28.01.2019/29.01.2019 | 3 hr |
| 4 | Data Visualization: Data mining – Presenting an analysis | 30.01.2019/31.01.2019/01.02.2019/ 02.02.2019 | 4 hr |
| 5 | Studying theTitanic dataset - Data Visualization - Charts – Multiple plots. | 04.02.2019/05.02.2019/06.02.2019 /05.02.2019 | 4 hr |
| 6 | Machine Learning: Types of machine learning- Decision trees | 07.02.2019/08.02.2019/09.02.2019 | 3 hr |
| 7 | The Chezy-Weisbach flow formula | 25.02.2019/26.02.2019 | 2 hr |
| 8 | • Linear regression – Logistic regression | 27.02.2019/28.02.2019/01.03.2019/ 02.03.2019 | 4 hr |
| 9 | K means Clustering, Hierarchical clustering. | 03.03.2019/04.03.2019 | 2 hr |
| 10 | Case Studies: Generating recommendations with | 05.03.2019/06.03.2019/07.02.2019 | 3 hr |

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| | | | |
|---|---|---|---|
| | Collaborative Filtering Applying Segmentation with k-means Clustering. | | |
| 11 | Case Studies: Generating recommendations with Collaborative Filtering Applying Segmentation with k-means Clustering. | 09.03.2019 | 1 hr |

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON DATA ANALYSIS WITH PYTHON

**STUDENTS NAME LIST** [ I YEAR]: **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420318104001 | ABITHA A | ABitha |
| 2 | 420318104002 | AMIRTHALAKSHMI V | V. AK. |
| 3 | 420318104003 | ANANDHI S | S. Anandhi |
| 4 | 420318104004 | BHUVANESHWARI G | G. Bhuv |
| 5 | 420318104005 | GIRIPRASATH K | Giri Prasath |
| 6 | 420318104007 | GUNASEELAN G | G. Guna S |
| 7 | 420318104008 | KAVITHENDRAL K | Kavithendral. k. |
| 8 | 420318104009 | KAVITHRA K | K. Kavi |
| 9 | 420318104010 | MANGALAMBIGAI A | A. Mangai |
| 10 | 420318104011 | SANTHI J | Santhi. J |
| 11 | 420318104012 | STEPHEN RAJ R | R. S Raj |

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| | | | |
|---|---|---|---|
| 12 | 420318104013 | SUJATHA A | A. Sujith |
| 13 | 420318104014 | SWARNALAKSHMI B | B. SLS. |
| 14 | 420318104015 | THENNILA | Thennila |
| 15 | 420318104016 | VARADHARAJA PERUMAL L | L. Varadha Perumal |
| 16 | 420318104017 | VIJAYA KUMAR P | P. VK. |
| 17 | 420318104018 | YUVARAJ V | Yuvaraj. V. |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON DATA ANALYSIS WITH PYTHON

**ATTENDENCE SHEET[ I YEAR]:** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.01.2019 | 22.1.2019 | 23.1.2019 | 24.1.2019 | 25.1.2019 | 28.1.2019 | 29.1.2019 | 30.1.2019 | 31.1.2019 | 1.2.2019 | 2.2.2019 | 4.2.2019 | 5.2.2019 | 6.2.2019 | 7.2.2019 |
| 1 | 420318104001 | ABITHA A | | | | | | | | | | | | | | | |
| 2 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | |
| 3 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | |
| 4 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | |
| 5 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | |
| 6 | 420318104007 | GUNASEELAN G | | | | | | | | | | | | | | | |
| 7 | 420318104008 | KAVITHENDRAL K | | | | | | | | | | | | | | | |
| 8 | 420318104009 | KAVITHRA K | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420318104010 | MANGALAMBIGAI A | | | | | | | | | | | | | | | |
| 10 | 420318104011 | SANTHI J | | | | | | | | | | | | | | | |
| 11 | 420318104012 | STEPHEN RAJ R | | | | | | | | | | | | | | | |
| 12 | 420318104013 | SUJATHA A | | | | | | | | | | | | | | | |
| 13 | 420318104014 | SWARNALAKSHMI B | | | | | | | | | | | | | | | |
| 14 | 420318104015 | THENNILA | | | | | | | | | | | | | | | |
| 15 | 420318104016 | VARADHARAJA PERUMAL L | | | | | | | | | | | | | | | |
| 16 | 420318104017 | VIJAYA KUMAR P | | | | | | | | | | | | | | | |
| 17 | 420318104018 | YUVARAJ V | | | | | | | | | | | | | | | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 8.2.2019 | 9.2.2019 | 25.2.2019 | 26.2.2019 | 27.2.2019 | 28.2.2019 | 1.3.2019 | 2.3.2019 | 3.3.2019 | 4.3.2019 | 5.3.2019 | 6.3.2019 | 7.3.2019 | 8.3.2019 | 9.3.2019 |
| 1 | 420318104001 | ABITHA A | | | | | | | | | | | | | | | |
| 2 | 420318104002 | AMIRTHALAKSHMI V | | | | | | | | | | | | | | | |
| 3 | 420318104003 | ANANDHI S | | | | | | | | | | | | | | | |
| 4 | 420318104004 | BHUVANESHWARI G | | | | | | | | | | | | | | | |
| 5 | 420318104005 | GIRIPRASATH K | | | | | | | | | | | | | | | |
| 6 | 420318104007 | GUNASEELAN G | | | | | | | | | | | | | | | |
| 7 | 420318104008 | KAVITHENDRAL K | | | | | | | | | | | | | | | |
| 8 | 420318104009 | KAVITHRA K | | | | | | | | | | | | | | | |
| 9 | 420318104010 | MANGALAMBIGAI A | | | | | | | | | | | | | | | |
| 10 | 420318104011 | SANTHI J | | | | | | | | | | | | | | | |
| 11 | 420318104012 | STEPHEN RAJ R | | | | | | | | | | | | | | | |
| 12 | 420318104013 | SUJATHA A | | | | | | | | | | | | | | | |
| 13 | 420318104014 | SWARNALAKSHMI B | | | | | | | | | | | | | | | |
| 14 | 420318104015 | THENNILA | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 420318104016 | VARADHARAJA PERUMAL L | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | Vay | |
| 16 | 420318104017 | VIJAYA KUMAR P | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | |
| 17 | 420318104018 | YUVARAJ V | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | Yuv | |

Sathya
COURSE CO-ORDINATOR

K. Venkatraman
HOD

PRINCIPAL

ENGINEERING COLLEGE VILLUPURAM 605 601

# A.R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF CSE

## VALUE ADDED COURSE ON DATA ANALYSIS WITH PYTHON

**STUDENTS ASSESMENT MARK LIST** [ I YEAR]: **DATE:09.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420318104001 | ABITHA A | A |
| 2 | 420318104002 | AMIRTHALAKSHMI V | B |
| 3 | 420318104003 | ANANDHI S | A+ |
| 4 | 420318104004 | BHUVANESHWARI G | O |
| 5 | 420318104005 | GIRIPRASATH K | B |
| 6 | 420318104007 | GUNASEELAN G7 | B+ |
| 7 | 420318104008 | KAVITHENDRAL K | O |
| 8 | 420318104009 | KAVITHRA K | A |
| 9 | 420318104010 | MANGALAMBIGAI A | A+ |
| 10 | 420318104011 | SANTHI J | A |
| 11 | 420318104012 | STEPHEN RAJ R | A |
| 12 | 420318104013 | SUJATHA A | B |

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 13 | 420318104014 | SWARNALAKSHMI B | B+ |
| 14 | 420318104015 | THENNILA | A |
| 15 | 420318104016 | VARADHARAJA PERUMAL L | A |
| 16 | 420318104017 | VIJAYA KUMAR P | B+ |
| 17 | 420318104018 | YUVARAJ V | B |

75

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CSE |
| **Type of Event:** | Value added course |
| **Event Title:** | Data analysis with python |
| **Date/ Time:** | 21.01.2019 TO 09.03.2019/5.00 pm to6.00 Pm |
| **Venue :** | AREC |
| **Organizer:** | AREC–CSE |
| **Coordinator:** | Mrs.K.Sathya |
| **Resource person** | Dr.K.Venkataramana |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 17 participants on 21.01.2019 TO 09.03.2019 at 05.00 Pm with welcome address and introduction by the co-ordinator **Mrs.K.Sathya,AP/CSE,AREC.**<br>• Resource person **Dr.K.VenkataramanaHOD of department CSE** has cover the basic of the Data analysis with python and they demonstrated each and every concept.<br>• The students will get handson experience in working with Data analysis with python Students really enjoyed the session and learnt a lot. Now **17students** will beable to apply the concept and its application.<br>• **Mrs.T.Geetha, AP/CSE,AREC,**proposed the vote of thanks to the participants and organizers. |

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This is to certify that Mr./Ms .....ABITHA.A.....has participated in the 30 days Values added course on "Data analysis with Python" organized by the Department of CSE, A R Engineering college , held on 21.01.2019 to 09.03.2019

HOD

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Dr. R. PANNEERDHASS M.E., Ph.D.,
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## DEPARTMENT OF CSE

## PERMISSION LETTER

DATE:13.01.2019

**FROM**

The HOD
Department Of CSE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "value added course on 3d modelling in fusion 360" on 21.01.2019 TO 09.03.2019. We request you to grant permission for the same.

**Name of the Course:** value added course on 3d modelling in fusion 360

**Course Co-ordinator : Mrs.S.Vijaya**
Assistant professor/Department of CSE
AR Engineering College
Kappiyampuliyur.

Thanking you

K. Sugana
Your's sincierly

ENGINEERING COLLEGE VILLUPURAM 605 601

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## DEPARTMENT OFCSE

## CIRCULAR

DATE:19.01.2019

The department of computer science engineering has planned to conduct a value added course on 3d modelling in fusion 360for CSE students from21.01.2019 TO 09.03.2019.All the II year students are asked to attend the course.

**COURSE DETAILS:**

| **COURSE TITLE** | **Value added course on 3d modelling in fusion 360** |
|---|---|
| Course code | VACCSE106 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2019 TO 09.03.2019 |
| Timing | 5.00PM TO 6.00 PM |
| Course Co-Ordinator | Mrs.S.Vijaya |
| Resource person | Mrs.K.Suguna |
| Certificate | Yes |

HOD

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## A.R ENGINEERING COLLEGE

**"VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360"**

**DEPARTMENT OF CSE**

21.01.2019 TO 09.03.2019

**Time:**5.00 Pm to6.00 Pm

**Co-ordinator:**

Mrs.S.Vijaya

AP/Department of CSE

**Resource Person:**

Mrs.K.Suguna

HOD/Department of CSE

Surya group of institution

villupuram

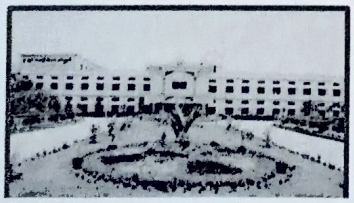
**Organized by**

DEPARTMENT OF CSE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,

Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course:**

- Uderstand the fundamental concepts,and benefits of 3D design using fusion 360
- Locate and navigate the fusion 360 user interface and the multiple design and documentation environment.
- Create projects and manage your designs online.

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VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

21.01.2019 TO 09.03.2019

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registrationlink:**

https://arec.addon.course/sign

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF CSE

### VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

**DATE:**21.01.2019 TO 09.03.2019 HOURS: 30

**Course Contents:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Overview ,Start Fusion 360 | **21.01.2019** | **1 hr** |
| 2 | Review the Fusion 360 User Interface ,Create a Box, Add a Hole to the Box | **22.01.2219/23.01.2019/24.01.2019** | **3 hr** |
| 3 | Round the Edges of the Box ,Save Your Design | **25.01.2019/28.01.2019/29.01.2019** | **3 hr** |
| 4 | Display the Data Panel | **30.01.2019/31.01.2019/01.02.2019/ 02.02.2019** | **4 hr** |
| 5 | Use the Timeline, Use the Browser ,Change Workspaces,Use the Navigation Bar | **04.02.2019/05.02.2019/06.02.2019 /05.02.2019** | **4 hr** |
| 6 | Use the Mouse,Use the ViewCube ,Hot Keys | **07.02.2019/08.02.2019/09.02.2019** | **3 hr** |
| 7 | Start Fusion 360,Attach a Canvas,Create a Sketch Profile of the Lampshade | **25.02.2019/26.02.2019** | **2 hr** |
| 8 | Create a Solid Model,Modify the Solid Using Shell,Modify the Physical Material,Modify the Appearance | **27.02.2019/28.02.2019/01.03.2019/ 02.03.2019** | **4 hr** |
| 9 | Model the Arm ,Create a Hole in the Lampshade,Create a Hole in the Lampshade | **03.03.2019/04.03.2019** | **2 hr** |
| 10 | Create a Hole in the Lampshade<br>Modify the Physical Material and Appearance. | **05.03.2019/06.03.2019/07.02.2019** | **3 hr** |
| 11 | Modify the Physical Material and Appearance | **09.03.2019** | **1 hr** |
| | | **TOTAL** | **30 hrs** |

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

**STUDENTS NAME LIST [ II YEAR]:** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420317104004 | GOWSALYA R | R. Gowsalya. |
| 2 | 420317104006 | JAYAPRATHA S | Jayaprtha. |
| 3 | 420317104007 | JAYASRI P | P. Jayasri |
| 4 | 420317104010 | MANIKANDAN P | P. Mani |
| 5 | 420317104012 | NIVETHA R | Nivetha |
| 6 | 420317104015 | PREMKUMAR P | PREMKUMAR.P |
| 7 | 420317104016 | PRIYANKA R | Priya |
| 8 | 420317104018 | RABIYA D | D. RABIYA |
| 9 | 420317104019 | RAJESHWARI N | Rajeshwari |
| 10 | 420317104020 | SAKTHIVEL N | Sakthivel.N. |

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| | | | |
|---|---|---|---|
| 11 | 420317104022 | SATHISH D | Sathish |
| 12 | 420317104024 | SHALANI S | Shalani |
| 13 | 420317104027 | SUNIL JOSHI V | Sunil |
| 14 | 420317104028 | VALLARASU K | Vallarasu K |
| 15 | 420317104029 | VANISHREE N | Vanishree |
| 16 | 420317104031 | YUVARANI M | Yuvarani |
| 17 | 420316106002 | KALAIYARASI G | Kalaiyarasi G. |
| 18 | 420316106003 | PAVITHRA K | Pavithra K |
| 19 | 420316106004 | SANDHIYA S | S. Sandhiya. |
| 20 | 420316106005 | VIGNESH P | P. Vignesh |

Vijaya
COURSE CO-ORDINATOR

HOD

PRINCIPAL

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## DEPARTMENT OF CSE

## VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

**ATTENDENCE SHEET[ II YEAR]:** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.01.2019 | 22.1.2019 | 23.1.2019 | 24.1.2019 | 25.1.2019 | 28.1.2019 | 29.1.2019 | 30.1.2019 | 31.1.2019 | 1.2.2019 | 2.2.2019 | 4.2.2019 | 5.2.2019 | 6.2.2019 | 7.2.2019 |
| 1 | 420317104004 | GOWSALYA R | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G | R.G |
| 2 | 420317104006 | JAYAPRATHA S | Jaya | Jaya | Jaya | Jaya | Jaya | Jaya | Jaya | Jay | Jay | Jaya | Jay | Jay | Jay | Jay | Jay |
| 3 | 420317104007 | JAYASRI P | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya | P.Jaya |
| 4 | 420317104010 | MANIKANDAN P | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani | Mani |
| 5 | 420317104012 | NIVETHA R | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive | Nive |
| 6 | 420317104015 | PREMKUMAR P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P | PREM.P |
| 7 | 420317104016 | PRIYANKA R | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya | Priya |
| 8 | 420317104018 | RABIYA D | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya | Rabiya |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 420317104019 | RAJESHWARI N | | | | | | | | | | | | | | | |
| 10 | 420317104020 | SAKTHIVEL N | | | | | | | | | | | | | | | |
| 11 | 420317104022 | SATHISH D | | | | | | | | | | | | | | | |
| 12 | 420317104024 | SHALANI S | | | | | | | | | | | | | | | |
| 13 | 420317104027 | SUNIL JOSHI V | | | | | | | | | | | | | | | |
| 14 | 420317104028 | VALLARASU K | | | | | | | | | | | | | | | |
| 15 | 420317104029 | VANISHREE N | | | | | | | | | | | | | | | |
| 16 | 420317104031 | YUVARANI M | | | | | | | | | | | | | | | |
| 17 | 420316106002 | KALAIYARASI G | | | | | | | | | | | | | | | |
| 18 | 420316106003 | PAVITHRA K | | | | | | | | | | | | | | | |
| 19 | 420316106004 | SANDHIYA S | | | | | | | | | | | | | | | |
| 20 | 420316106005 | VIGNESH P | | | | | | | | | | | | | | | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 8.2.2019 | 9.2.2019 | 25.2.2019 | 26.2.2019 | 27.2.2019 | 28.2.2019 | 1.3.2019 | 2.3.2019 | 3.3.2019 | 4.3.2019 | 5.3.2019 | 6.3.2019 | 7.3.2019 | 8.3.2019 | 9.3.2019 |
| 1 | 420317104004 | GOWSALYA R | | | | | | | | | | | | | | | |
| 2 | 420317104006 | JAYAPRATHA S | | | | | | | | | | | | | | | |
| 3 | 420317104007 | JAYASRI P | | | | | | | | | | | | | | | |
| 4 | 420317104010 | MANIKANDAN P | | | | | | | | | | | | | | | |
| 5 | 420317104012 | NIVETHA R | | | | | | | | | | | | | | | |
| 6 | 420317104015 | PREMKUMAR P | | | | | | | | | | | | | | | |
| 7 | 420317104016 | PRIYANKA R | | | | | | | | | | | | | | | |
| 8 | 420317104018 | RABIYA D | | | | | | | | | | | | | | | |
| 9 | 420317104019 | RAJESHWARI N | | | | | | | | | | | | | | | |
| 10 | 420317104020 | SAKTHIVEL N | | | | | | | | | | | | | | | |
| 11 | 420317104022 | SATHISH D | | | | | | | | | | | | | | | |
| 12 | 420317104024 | SHALANI S | | | | | | | | | | | | | | | |
| 13 | 420317104027 | SUNIL JOSHI V | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 420317104028 | VALLARASU K | | | | | | | | | | | | | | |
| 15 | 420317104029 | VANISHREE N | | | | | | | | | | | | | | |
| 16 | 420317104031 | YUVARANI M | | | | | | | | | | | | | | |
| 17 | 420316106002 | KALAIYARASI G | | | | | | | | | | | | | | |
| 18 | 420316106003 | PAVITHRA K | | | | | | | | | | | | | | |
| 19 | 420316106004 | SANDHIYA S | | | | | | | | | | | | | | |
| 20 | 420316106005 | VIGNESH P | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph D.,
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DEPARTMENT OF CSE

## VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

**STUDENTS ASSESMENT MARK LIST** [ II YEAR]: **DATE:07.02.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420317104004 | GOWSALYA R | 80 |
| 2 | 420317104006 | JAYAPRATHA S | 70 |
| 3 | 420317104007 | JAYASRI P | 81 |
| 4 | 420317104010 | MANIKANDAN P | 67 |
| 5 | 420317104012 | NIVETHA R | 69 |
| 6 | 420317104015 | PREMKUMAR P | 78 |
| 7 | 420317104016 | PRIYANKA R | 90 |
| 8 | 420317104018 | RABIYA D | 95 |
| 9 | 420317104019 | RAJESHWARI N | 70 |
| 10 | 420317104020 | SAKTHIVEL N | 75 |
| 11 | 420317104022 | SATHISH D | 76 |

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| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 420317104028 | VALLARASU K | | | | | | | | | | | | | | | | | | |
| 15 | 420317104029 | VANISHREE N | | | | | | | | | | | | | | | | | | |
| 16 | 420317104031 | YUVARANI M | | | | | | | | | | | | | | | | | | |
| 17 | 420316106002 | KALAIYARASI G | | | | | | | | | | | | | | | | | | |
| 18 | 420316106003 | PAVITHRA K | | | | | | | | | | | | | | | | | | |
| 19 | 420316106004 | SANDHIYA S | | | | | | | | | | | | | | | | | | |
| 20 | 420316106005 | VIGNESH P | | | | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A. R.ENGINEERING COLLEGE

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DEPARTMENT OF CSE

## VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

**STUDENTS ASSESMENT MARK LIST** [ II YEAR]: **DATE:07.02.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420317104004 | GOWSALYA R | 80 |
| 2 | 420317104006 | JAYAPRATHA S | 70 |
| 3 | 420317104007 | JAYASRI P | 81 |
| 4 | 420317104010 | MANIKANDAN P | 67 |
| 5 | 420317104012 | NIVETHA R | 69 |
| 6 | 420317104015 | PREMKUMAR P | 78 |
| 7 | 420317104016 | PRIYANKA R | 90 |
| 8 | 420317104018 | RABIYA D | 95 |
| 9 | 420317104019 | RAJESHWARI N | 70 |
| 10 | 420317104020 | SAKTHIVEL N | 75 |
| 11 | 420317104022 | SATHISH D | 76 |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 12 | 420317104024 | SHALANI S | 86 |
| 13 | 420317104027 | SUNIL JOSHI V | 85 |
| 14 | 420317104028 | VALLARASU K | 75 |
| 15 | 420317104029 | VANISHREE N | 65 |
| 16 | 420317104031 | YUVARANI M | 71 |
| 17 | 420316106002 | KALAIYARASI G | 82 |
| 18 | 420316106003 | PAVITHRA K | 93 |
| 19 | 420316106004 | SANDHIYA S | 7 |
| 20 | 420316106005 | VIGNESH P | 67 |

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DEPARTMENT OF CSE

## VALUE ADDED COURSE ON 3D MODELLING IN FUSION 360

**STUDENTS ASSESMENT MARK LIST** [ II YEAR]: **DATE:09.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420317104004 | GOWSALYA R | 78 |
| 2 | 420317104006 | JAYAPRATHA S | 90 |
| 3 | 420317104007 | JAYASRI P | 95 |
| 4 | 420317104010 | MANIKANDAN P | 70 |
| 5 | 420317104012 | NIVETHA R | 75 |
| 6 | 420317104015 | PREMKUMAR P | 78 |
| 7 | 420317104016 | PRIYANKA R | 78 |
| 8 | 420317104018 | RABIYA D | 92 |
| 9 | 420317104019 | RAJESHWARI N | 79 |
| 10 | 420317104020 | SAKTHIVEL N | 69 |
| 11 | 420317104022 | SATHISH D | 78 |

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VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 12 | 420317104024 | SHALANI S | 69 |
| 13 | 420317104027 | SUNIL JOSHI V | 88 |
| 14 | 420317104028 | VALLARASU K | 91 |
| 15 | 420317104029 | VANISHREE N | 85 |
| 16 | 420317104031 | YUVARANI M | 82 |
| 17 | 420316106002 | KALAIYARASI G | 85 |
| 18 | 420316106003 | PAVITHRA K | 96 |
| 19 | 420316106004 | SANDHIYA S | 85 |
| 20 | 420316106005 | VIGNESH P | 99 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | CSE |
| **Type of Event:** | VALUE ADDED COURSE |
| **Event Title:** | 3D MODELLING IN FUSION 360 |
| **Date & Time:** | 21.01.2019 TO 09.03.2019/5.00 PM TO 6.00 PM |
| **Venue :** | AREC |
| **Organizer:** | AREC–CSE |
| **Coordinator:** | Mrs.S.Vijaya |
| **Resource person** | Mrs.K.Suguna |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 20 participants on 21.01.2019 TO 09.03.2019at 5.00 Pm with welcome address and introduction by the co-ordinator **Mrs.S.Vijaya,AP/CSE,AREC.**<br>• Resource person **Mrs.K.SugunaHOD of department CSE/Surya group of institution** has cover the basic of the3d modelling in fusion 360and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with 3d modelling in fusion 360Students reallyenjoyed the session and learnt a lot. Now **20students** will be able to apply the concept and its applications.<br>• **Mr.M.Danapal, AP/CSE,AREC,**proposed the vote of thanks to the participants and organizers. |

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This is to certify that Mr./Ms GOWSALYA.R.....has participated in the 30 days Values added course on " 3D Modelling in fusion 360" organized by the Department of CSE, A R Engineering college , held on 21.01.2019 to 09.03.2019

Sugunga
HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr. R. PANNEERDHASS M.E., Ph.D.,
PRINCIPAL
A.R.Engineering College
Vadakuchipalayam, Kappiyampuliyur Post
Villupuram (Dist.)

# A. R.ENGINEERING COLLEGE

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ECE

## PERMISSION LETTER

**DATE:13.01.2019**

**FROM**

The HOD
Department Of ECE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "certificate course on Basic communication system" on 21.01.2019 TO 09.03.2019. We request you to grant permission for the same.

**Name of the Course**: certificate course on communication system

**Course-Coordinator :**Mr.N.Kalidass

Assistant professor/Department of ECE
AR Engineering College
Kappiyampuliyur.

Thanking you

Your`s sincierly

A.R.ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

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## DEPARTMENT OF ECE

## CIRCULAR

**DATE:19.01.2019**

The department of Electronic Communiction and Engineering has planned to conduct a Course title "certificate course on communication system"for ECE students from21.01.2019 TO 09.03.2019.All the I,II,IV year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | CERTIFICATE COURSE ON COMMUNICATION SYSTEM |
| Course code | VACECE107 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2019 TO 09.03.2019 |
| Timing | 5.00PM TO 6.00PM |
| Course Co-Ordinator | Mr.N.Kalidass |
| Resource person | Dr.K.Gajavarathan |
| Certificate | Yes |

HOD

PRINCIPAL

NEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## A.R ENGINEERING COLLEGE

"CERTIFICATE COURSE ON BASIC COMMUNICATION SYSTEM"

**DEPARTMENT OF ECE**

21.01.2019 TO 09.03.2019

**Time:**5.00 pm to6.00 Pm

**Co-ordinator:**

Mr.N.Kalidass

AP/Department of ECE

**Resource Person:**

Dr.K.Gajavarathan

HOD/Department of ECE

MRK Engineering college

**Organized by**

DEPARTMENT OF ECE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



### ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

### CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- The purposeofa communication system is to transmit an intelligence signal from a source to a destination at some point away from the source.
- A communication system is a model of a communication exchange between two stations,atransmitter,and a receiver.

**A.R ENGINEERING COLLEGE**

CERTIFICATE COURSE ON BASIC COMMUNICATION SYSTEM"

21.01.2019 TO 09.03.2019

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.addon.course/signi

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF ECE

### CERTIFICATE COURSE ON COMMUNICATION SYSTEM

**DATE:21.01.2019** **HOURS:30 HRS**

**COURSE CONTENT:**

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction to Modulation, Need for Modulation, Ordinary Amplitude Modulation – Modulation index | 21.01.2019 | 1 hr |
| 2 | Side bands, AM Power, Double Side Band Suppressed Carrier Modulation, Single Side Band Modulation, | 22.01.2219/23.01.2019/24.01.2019 | 3 hr |
| 3 | Vestigial Side Band Modulation, AM demodulation, Applications of AM. Angle Modulation fundamentals,Frequency Modulation – Modulation index and sidebands | 25.01.2019/28.01.2019/29.01.2019 | 3 hr |
| 4 | , Narrowband FM, Wideband FM, Principles of Phase Modulation, Frequency Modulation verses Amplitude Modulation. | 30.01.2019/31.01.2019/01.02.2019/ 02.02.2019 | 4 hr |
| 5 | FM demodulation, Frequency Division Multiplexing, Applications of FM. **Signal Sampling and Analog Pulse Communication:** Ideal Sampling, Pulse Amplitude Modulation, Pulse Width Modulation. | 04.02.2019/05.02.2019/06.02.2019 /05.02.2019 | 4 hr |
| 6 | Pulse Position Modulation. Quantization, Digital Transmission of Data, | 07.02.2019/08.02.2019/09.02.2019 | 3 hr |
| 7 | Parallel and Serial Transmission, Data Conversion.. | 25.02.2019/26.02.2019 | 2 hr |
| 8 | Time Division Multiplexing, Pulse Code Modulation, Delta Modulation | 27.02.2019/28.02.2019/01.03.2019/ 02.03.2019 | 4 hr |
| 9 | **Transmission of Binary Data in Communication Systems:** Digital Codes | 03.03.2019/04.03.2019 | 2 hr |

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VILLUPURAM-605 601.

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| | | | |
|---|---|---|---|
| 10 | Principles of Digital Transmission, Transmission Efficiency | 05.03.2019/06.03.2019/07.02.2019 | 3 hr |
| 11 | Modem Concepts and Methods – FSK, BPSK, Error Detection and Correction. | 09.03.2019 | 1 hr |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF ECE

### CERTIFICATE COURSE ON COMMUNICATION SYSTEM

**STUDENTS NAME LIST : [I,III,IV-Year]** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420318106001 | BALAJI S | Balaji |
| 2 | 420318106002 | HARISHANKAR V | Harishankar.V. |
| 3 | 420318106003 | NARESH KUMAR | Naresh. |
| 4 | 420318106004 | SHAKI P | Shaki.P |
| 5 | 420318106005 | SUVASRI S | SUVASRI.S |
| 6 | 420318106006 | VANISRI S | Vanisri.S |
| 7 | 420316106001 | ASWINI V | V. Aswini |
| 8 | 420316106002 | KALAIYARASI G | Kalaiyarasi-G. |
| 9 | 420316106003 | PAVITHRA K | K. Pavithra |
| 10 | 420316106004 | SANDHIYA S | Sandhiya. S |
| 11 | 420316106005 | VIGNESH P | P. Vignesh |

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| | | | |
|---|---|---|---|
| 12 | | VIGNESH A | Vignesh A. |
| 13 | | CHANDRU S | S. Chandru. |

Kalidass
COURSE CO-ORDINATOR

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

K. Gajatha
HOD

PRINCIPAL

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
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## DEPARTMENT OF ECE

### CERTIFICATE COURSE ON COMMUNICATION SYSTEM

**ATTENDENCE SHEET: [I,III,IV-Year]** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.01. 2019 | 22.1. 2019 | 23.1. 2019 | 24.1. 2019 | 25.1. 2019 | 28.1. 2019 | 29.1. 2019 | 30.1. 2019 | 31.1. 2019 | 1.2. 2019 | 2.2. 2019 | 4.2. 2019 | 5.2. 2019 | 6.2. 2019 | 7.2. 2019 |
| 1 | 420318106001 | BALAJI S | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji |
| 2 | 420318106002 | HARISHANKAR V | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari |
| 3 | 420318106003 | NARESH KUMAR | Nar | Na | Na | Nar | Nar | Nar | Nar | Nar | Nar | Na | Na | Na | Na | Na | Na |
| 4 | 420318106004 | SHAKI P | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha | Sha |
| 5 | 420318106005 | SUVASRI S | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su |
| 6 | 420318106006 | VANISRI S | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri | Vanisri |
| 7 | 420316106001 | ASWINI V | Aswini | Aswini | Aswini | Aswini | Aswi | Aswi | Aswi | Aswi | Aswini | Aswini | Aswini | Aswini | Aswini | Aswini | Aswini |
| 8 | 420316106002 | KALAIYARASI G | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala | Kala |
| 9 | 420316106003 | PAVITHRA K | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav | Pav |
| 10 | 420316106004 | SANDHIYA S | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 420316106005 | VIGNESH P | P. Vignesh | P Vignesh | P Vignesh | P Vignesh | P Vignesh | P Vignesh | P Vignesh | P Vig | P Vi | P V | P Vigne | P Vigne | P Vi | P V | P Vi |
| 12 | | VIGNESH A | | | | | | | | | | | | | | | |
| 13 | | CHANDRU S | | | | | | | | | | | | | | | |

| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 8.2.2019 | 9.2.2019 | 25.2.2019 | 26.2.2019 | 27.2.2019 | 28.2.2019 | 1.3.2019 | 2.3.2019 | 3.3.2019 | 4.3.2019 | 5.3.2019 | 6.3.2019 | 7.3.2019 | 8.3.2019 | 9.3.2019 |
| 1 | 420318106001 | BALAJI S | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji | Balaji |
| 2 | 420318106002 | HARISHANKAR V | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari | Hari |
| 3 | 420318106003 | NARESH KUMAR | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |
| 4 | 420318106004 | SHAKI P | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |
| 5 | 420318106005 | SUVASRI S | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri | Suvasri |
| 6 | 420318106006 | VANISRI S | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri | Vansri |
| 7 | 420316106001 | ASWINI V | Aswini | Aswini | Aswini | Aswini | Aswini | Aswini | [signature] | [signature] | Aswini | Aswini | [signature] | [signature] | [signature] | [signature] | [signature] |
| 8 | 420316106002 | KALAIYARASI G | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |
| 9 | 420316106003 | [illegible]THRA K | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] | [signature] |

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 420316106004 | SANDHIYA S | | | | | | | | | | | | | | |
| 11 | 420316106005 | VIGNESH P | | | | | | | | | | | | | | |
| 12 | | VIGNESH A | | | | | | | | | | | | | | |
| 13 | | CHANDRU S | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

# A.R.ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Anna university, Chennai)
Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

DEPARTMENT OF ECE

**CERTIFICATE COURSE ON COMMUNICATION SYSTEM**

**STUDENTS ASSESMENT MARK LIST : [I,III,IV-Year]** **DATE:05.02.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420318106001 | BALAJI S | 86 |
| 2 | 420318106002 | HARISHANKAR V | 75 |
| 3 | 420318106003 | NARESH KUMAR | 74 |
| 4 | 420318106004 | SHAKI P | 83 |
| 5 | 420318106005 | SUVASRI S | 90 |
| 6 | 420318106006 | VANISRI S | 69 |
| 7 | 420316106001 | ASWINI V | 79 |
| 8 | 420316106002 | KALAIYARASI G | 67 |
| 9 | 420316106003 | PAVITHRA K | 85 |
| 10 | 420316106004 | SANDHIYA S | 83 |
| 11 | 420316106005 | VIGNESH P | 74 |

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KAPPIYAMPULIYUR POST,
VILLUPURAM-605 601.

| | | | |
|---|---|---|---|
| 12 | | VIGNESH A | 90 |
| 13 | | CHANDRU S | 87 |

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DEPARTMENT OF ECE

**CERTIFICATE COURSE ON COMMUNICATION SYSTEM**

**STUDENTS ASSESMENT MARK LIST : [I,III,IV-Year]** **DATE:09.03.2019TOTAL**

**HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420318106001 | BALAJI S | 92 |
| 2 | 420318106002 | HARISHANKAR V | 77 |
| 3 | 420318106003 | NARESH KUMAR | 89 |
| 4 | 420318106004 | SHAKI P | 73 |
| 5 | 420318106005 | SUVASRI S | 78 |
| 6 | 420318106006 | VANISRI S | 92 |
| 7 | 420316106001 | ASWINI V | 82 |
| 8 | 420316106002 | KALAIYARASI G | 77 |
| 9 | 420316106003 | PAVITHRA K | 59 |
| 10 | 420316106004 | SANDHIYA S | 67 |
| 11 | 420316106005 | VIGNESH P | 88 |

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| | | | |
|---|---|---|---|
| 12 | | VIGNESH A | 79 |
| 13 | | CHANDRU S | 80 |

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | ECE |
| **Type of Event:** | CERTIFICATE COURSE |
| **Event Title:** | BASIC COMMUNICATION SYSTEM |
| **Date & Time:** | 21.01.2019 TO 09.03.2019/5.00pm to 6.00 pm |
| **Venue :** | AREC |
| **Organizer:** | AREC–ECE |
| **Coordinator:** | Mr.N.Kalidass |
| **Resource person:** | Dr.K.Gajavarathan |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 13 participants on 21.01.2019 TO 09.03.2019at 5.00 pm with welcome address and introduction by the co-ordinator Mr.N.Kalidass **,AP/ECE,AREC.**<br>• Resource person Dr.K.Gajavarathan HOD DEPARTMENT OF ECE MRK Engineering college has cover the basic of the Communication system and they demonstrated each and every concept.<br>• The students will get hands-on experience in Communication system<br>Students reallyenjoyed the session and learnt a lot. Now 13**students** will be able to apply the concept and its application.<br>• **Mr.P.Ramesh , AP/ECE,AREC,**proposed the vote of thanks to the participants and organizers. |

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This is to certify that Mr./Ms .....BALAJI. S.....has participated in the 30 days Certificate course on "basic communication system" organized by the Department of ECE, A R Engineering college , held on 21.01.2019 to 09.03.2019

HOD

PRINCIPAL

A.R. ENGINEERING COLLEGE VILLUPURAM 605 601

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Vadakuchipalayam, Kappiyampuliyur post,Villupuram-605601,Tamilnadu.

## DEPARTMENT OF ECE

## PERMISSION LETTER

**DATE:13.01.2019**

**FROM**

The HOD
Department of ECE
AR Engineering college
Kappiyampuliyur.

**TO**

The principal
AR Engineering college
Kappiyampuliyur.

**SUB** : Seeking permission to conduct Value added course.

**Respected Sir,**

We are planning to conduct "certificate course on supervisory control and data acquisition (scada)" on 21.01.2019 TO 09.03.2019. We request you to grant permission for the same.

**Name of the Course:**Certificate course on supervisory control and data acquisition (scada)

**Course-Coordinator :** Mr.P.Ramesh

Assistant professor/Department of ECE
AR Engineering College
Kappiyampuliyur.

Thanking you

Your`s sincierly

Dr.R.PANNEERDHASS,M.E.,Ph.D.,
PRINCIPAL
A.R.ENGINEERING COLLEGE
VADAKUCHIPALAYAM,
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## DEPARTMENT OFECE

## CIRCULAR

The department of Electronic Communiction and Engineering has planned to conduct a Course title "certificate course on supervisory control and data acquisition (scada)"for ECE students at seminar hall-II from21.01.2019 TO 09.03.2019. All the II year students are asked to attend the course.

**COURSE DETAILS:**

| | |
|---|---|
| Course title | Certificate course on supervisory control and data acquisition (SCADA) |
| Course code | VACECE108 |
| Course duration | 30-HOURS |
| Beneficiaries | Students & Faculty members |
| Schedule | 21.01.2019 TO 09.03.2019 |
| Timing | 5.00 PM-6.00PM |
| Course Co-Ordinator | Mr.P.Ramesh |
| Resource person | Dr.V.Gajendra kumar |
| Certificate | Yes |

HOD

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**A.R ENGINEERING COLLEGE**

" CERTIFICATE COURSE on SUPERVISORY CONTROL ANDDATA ACQUISITION"

**Department of ECE**

21.01.2019 TO 09.03.2019

**Time:**5.00 PM TO 6.00 Pm

**Co-ordinator:**

Mr.P.Ramesh

AP/Department of ECE

**Resource Person:**

Dr.V.Gajendra kumar

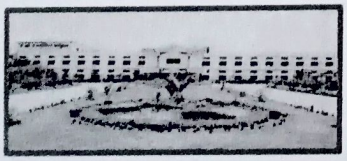
HOD/Department of ECE

**Organized by**

DEPARTMENT OF ECE

**A.R ENGINEERING COLLEGE**

Kappiyampuliyur,
Villupuram 605 601



## ELIGIBILITY&REGISTRATION

**No registration fee.**

There is no Registrationfee from any participant. On completion of the program on all the days, participants will be awarded a Certificate of participation.

## CERTIFICATION

E-Certificates will be issued to those participants who attend all the sessions of the program.

**Objectives of the course**:

- Understand the fundamental of SCADA system.
- Increase knowledge of the key industrial communication protocols.
- Learn and discover how to set up industrial data communications networks.

**A.R ENGINEERING COLLEGE**

CERTIFICATE COURSE ON SUPERVISORY CONTROL AND DATA ACQUISITION

21.01.2019 TO 09.03.2019

Registration form

Name:

Designation:

College:

Branch:

Address:

WhatsappNo:

E-mail:

Signature of the participant:

Date:

Place:

**Registration link:**

https://arec.in/addon-courses/sign-up

For more information contact

Course coordinator:9159166467

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## DEPARTMENT OF ECE

### CERTIFICATE COURSE ON SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

**DATE:**21.01.2019 TO 09.03.2019 HOURS:30

## COURSE CONTENT:

| SL.NO | TOPICS | DATE | HOUR |
|---|---|---|---|
| 1 | Introduction | 21.01.2019 | 1 hr |
| 2 | SCADA Functions-Supervisory Control -Data Acquisition- Real Time Database-Graphical Operator Interface-Alarm Processing-Data Historian/Strip Chart Trending-Map board Interface-Control Strategy | 22.01.2219/23.01.2019/24.01.2019 | 3 hr |
| 3 | Control Center– Supervisory control and data acquisition– Balance generation and demand (dispatching) | 25.01.2019/28.01.2019/29.01.2019 | 3 hr |
| 4 | Localized (Power Plants, Substations)– Feedback controls (e.g., governors, voltage regulators)SCADA Principles of Operation | 30.01.2019/31.01.2019/01.02.2019/ 02.02.2019 | 4 hr |
| 5 | Interface with Physical Devices– Remote terminal unit (RTU)– Intelligent electronic device (IED)– Programmable logic controller (PLC) | 04.02.2019/05.02.2019/06.02.2019 /05.02.2019 | 4 hr |
| 6 | Communications– Directly wired (typical for shorter distances)– Power line carrier (less common)– Microwave (very frequently used)– Radio (VHF, spread spectrum)– Fiber optic (gaining popularity)Energy Management System(EMS) Functions | 07.02.2019/08.02.2019/09.02.2019 | 3 hr |
| 7 | Control– Automatic Generation Control (AGC)– Voltage Control– Interchange | 25.02.2019/26.02.2019 | 2 hr |

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| | | | |
|---|---|---|---|
| | Transaction Scheduling– Load Shedding & Restoration (including specialstability controls) | | |
| 8 | Analysis – State Estimation/Contingency Analysis– Economic Dispatch– Short Term Load Forecasting Key Technology Drivers | 27.02.2019/28.02.2019/01.03.2019/ 02.03.2019 | 4 hr |
| 9 | Open architectures andprotocols,Microprocessor-based field equipment– "smart" sensors and controls | 03.03.2019/04.03.2019 | 2 hr |
| 10 | Convergence of operating systems, Ubiquitous communications– cheaper, better, faste,SCADA Protocols (Partial List!) ANSI X3.28-BBC 7200- CDC Types 1 and | 05.03.2019/06.03.2019/07.02.2019 | 3 hr |
| 11 | SCADA Protocols (Partial List!) ANSI X3.28-BBC 7200- CDC Types 1 and Type II | 09.03.2019 | 1 hr |
| | | TOTAL | 30 hrs |

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## DEPARTMENT OF ECE

## CERTIFICATE COURSE ON SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

**STUDENTS NAME LIST : [II & III Year]** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | SIGNATURE |
|---|---|---|---|
| 1 | 420317106001 | ABISHA N | |
| 2 | 420317106004 | DHANALAKSHMI T | |
| 3 | 420317106006 | JAMUNA S | |
| 4 | 420317106007 | KASTHURI S | |
| 5 | 420317106008 | KEERTHANAVATHI R | |
| 6 | 420317106009 | KOWSALYA R | |
| 7 | 420317106011 | NARMADHA N | |
| 8 | 420317106013 | PREMALATHA S | |
| 9 | 420317106014 | SUGASHINI N | |
| 10 | 420317106015 | SUNITHA K | |
| 11 | 420317106019 | VIJAY M | |
| 12 | 420317106301 | PARTHIBAN P | |

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## DEPARTMENT OF ECE

## CERTIFICATE COURSE ON SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

**ATTENDENCE SHEET: [II & III Year]** **DATE:21.01.2019 TO 9.03.2019**

**TOTAL HOURS: 30 HR**

| SL. NO | REG NO | NAME OF THE STUDENT | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 21.01.2019 | 22.1.2019 | 23.1.2019 | 24.1.2019 | 25.1.2019 | 28.1.2019 | 29.1.2019 | 30.1.2019 | 31.1.2019 | 1.2.2019 | 2.2.2019 | 4.2.2019 | 5.2.2019 | 6.2.2019 | 7.2.2019 |
| 1 | 420317106001 | ABISHA N | | | | | | | | | | | | | | | |
| 2 | 420317106004 | DHANALAKSHMI T | | | | | | | | | | | | | | | |
| 3 | 420317106006 | JAMUNA S | | | | | | | | | | | | | | | |
| 4 | 420317106007 | KASTHURI S | | | | | | | | | | | | | | | |
| 5 | 420317106008 | KEERTHANAVATHI R | | | | | | | | | | | | | | | |
| 6 | 420317106009 | KOWSALYA R | | | | | | | | | | | | | | | |
| 7 | 420317106011 | LADHA N | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 420317106013 | PREMALATHA S | | | | | | | | | | | | | | |
| 9 | 420317106014 | SUGASHINI N | | | | | | | | | | | | | | |
| 10 | 420317106015 | SUNITHA K | | | | | | | | | | | | | | |
| 11 | 420317106019 | VIJAY M | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay | Vijay |
| 12 | 420317106301 | PARTHIBAN P | | | | | | | | | | | | | | |

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| SL. NO | REG NO | NAME OF THE STUDENT | Day 16 | Day 17 | Day 18 | Day 19 | Day 20 | Day 21 | Day 22 | Day 23 | Day 24 | Day 25 | Day 26 | Day 27 | Day 28 | Day 29 | Day 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr | 1hr |
| | | | 8.2.2019 | 9.2.2019 | 25.2.2019 | 26.2.2019 | 27.2.2019 | 28.2.2019 | 1.3.2019 | 2.3.2019 | 3.3.2019 | 4.3.2019 | 5.3.2019 | 6.3.2019 | 7.3.2019 | 8.3.2019 | 9.3.2019 |
| 1 | 420317106001 | ABISHA N | | | | | | | | | | | | | | | |
| 2 | 420317106004 | DHANALAKSHMI T | | | | | | | | | | | | | | | |
| 3 | 420317106006 | JAMUNA S | | | | | | | | | | | | | | | |
| 4 | 420317106007 | KASTHURI S | | | | | | | | | | | | | | | |
| 5 | 420317106008 | KEERTHANAVATHI R | | | | | | | | | | | | | | | |
| 6 | 420317106009 | KOWSALYA R | | | | | | | | | | | | | | | |
| 7 | 420317106011 | NARMADHA N | | | | | | | | | | | | | | | |
| 8 | 420317106013 | PREMALATHA S | | | | | | | | | | | | | | | |
| 9 | 420317106014 | SUGASHINI N | | | | | | | | | | | | | | | |
| 10 | 420317106015 | SUNITHA K | | | | | | | | | | | | | | | |
| 11 | 420317106019 | VIJAY M | | | | | | | | | | | | | | | |
| 12 | 420317106301 | PARTHIBAN P | | | | | | | | | | | | | | | |

COURSE CO-ORDINATOR

HOD

Dr.R.PANNEERDHASS,M.E.,Ph.D.
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## DEPARTMENT OF ECE

## CERTIFICATE COURSE ON SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

**STUDENTS ASSESMENT MARK LIST : [II & III Year]** **DATE:27.01.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420317106001 | ABISHA N | 69 |
| 2 | 420317106004 | DHANALAKSHMI T | 78 |
| 3 | 420317106006 | JAMUNA S | 84 |
| 4 | 420317106007 | KASTHURI S | 63 |
| 5 | 420317106008 | KEERTHANAVATHI R | 58 |
| 6 | 420317106009 | KOWSALYA R | 64 |
| 7 | 420317106011 | NARMADHA N | 61 |
| 8 | 420317106013 | PREMALATHA S | 62 |
| 9 | 420317106014 | SUGASHINI N | 72 |
| 10 | 420317106015 | SUNITHA K | 84 |
| 11 | 420317106019 | VIJAY M | 86 |
| 12 | 420317106301 | PARTHIBAN P | 89 |

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## DEPARTMENT OF ECE

## CERTIFICATE COURSE ON SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

**STUDENTS ASSESMENT MARK LIST : [II & III Year]** **DATE:09.03.2019**

**TOTAL HOURS: 30 HRS**

| S.NO | REG.NO | STUDENT NAME | MARKS |
|---|---|---|---|
| 1 | 420317106001 | ABISHA N | 76 |
| 2 | 420317106004 | DHANALAKSHMI T | 87 |
| 3 | 420317106006 | JAMUNA S | 88 |
| 4 | 420317106007 | KASTHURI S | 73 |
| 5 | 420317106008 | KEERTHANAVATHI R | 85 |
| 6 | 420317106009 | KOWSALYA R | 74 |
| 7 | 420317106011 | NARMADHA N | 68 |
| 8 | 420317106013 | PREMALATHA S | 72 |
| 9 | 420317106014 | SUGASHINI N | 82 |
| 10 | 420317106015 | SUNITHA K | 92 |
| 11 | 420317106019 | VIJAY M | 78 |
| 12 | 420317106301 | PARTHIBAN P | 86 |

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## ONE PAGE REPORT

| | |
|---|---|
| **Department:** | ECE |
| **Type of Event:** | CERTIFICATE COURSE |
| **Event Title:** | SUPERVISORY CONTROL ANDDATA ACQUISITION (SCADA) |
| **Date & Time:** | 21.01.2019 TO 09.03.2019/5.00 PM TO 6.00 PM |
| **Venue :** | AREC |
| **Organizer:** | AREC–ECE |
| **Coordinator:** | Mr.P.Ramesh |
| **Resource person:** | Dr.V.Gajendra kumar |
| **Details of Participants:** | Students and faculty members of AREC |
| **Write-up on Event** | • The value added course started with 12 participants on 21.01.2019 TO 09.03.2019at 5.00 Pm with welcome address and introduction by the co-ordinator**Mr.P.Ramesh ,AP/ECE,AREC.**<br>• Resource person Dr.V.Gajendra kumar HOD DEPARTMENT OF ECE has cover the basic of theSupervisory control anddata acquisition (scada)and they demonstrated each and every concept.<br>• The students will get hands-on experience in working with SCADA<br>Students reallyenjoyed the session and learnt a lot. Now 12**students** will be able to apply the concept and its application.<br>• **Ms.S.Pushpa, AP/ECE,AREC,** proposed the vote of thanks to the participants and organizers. |

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# A R ENGINEERING COLLEGE

(Approved by AICTE New Delhi Affiliated to Anna university,chennai )
Vadakuchipalayam, kappiyampuliyur po, Villupuram 605 601.

This is to certify that Mr./Ms ...ABISHA.N.....has participated in the 30 days Certificate course on "supervisory control and data Acquisition" organized by the Department of ECE, A R Engineering college , held on 27.3.2023 to 09.6.2023

V. Gaja
HOD

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