

# RAJAMAHENDRI

INSTITUTE OF ENGINEERING & TECHNOLOGY

AISHE ID:C-18113

NAAC SSR

CYCLE II



## 1 : CURRICULAR ASPECTS

1.2 Academic Flexibility

1.2.1 No. of Add-on Programs Offered during last 5 years

1.2.1(1) Add-on Programs for A.Y 2022-23



Approved by AICTE, New Delhi, Government of AP & Affiliated to JNTUK, Kakinada, Accredited by NAAC and An ISO 9001:2015 Certified Institution

**Bhoopalapatnam, Rajamahendravararam, E.G. Dist, AP-533103**



+91 9121214413



[www.rietrjy.co.in](http://www.rietrjy.co.in)



[office@rietrjy.co.in](mailto:office@rietrjy.co.in)



List of Certificates/ Add on programs

Academic Year- 2022-23

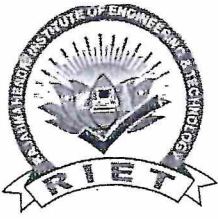
| S.No | Name of the Program  | Duration of Course       | No. of Participants |
|------|--|--------------------------|---------------------|
| 1.   | A Two-Week Certificate Program on " <b>Internet Of Things</b> "                                  | 18-07-2022 to 30-07-2022 | 52                  |
| 2.   | A Two-Week Certificate Program on " <b>AngularJS</b> "   | 16-08-2022 to 30-08-2022 | 76                  |
| 3.   | A Two-Week Certificate Program on " <b>Digital Signal Processing</b> "                           | 01-09-2022 to 14-09-2022 | 23                  |
| 4.   | A Two-Week Certificate Program on " <b>Recent Trends in Cloud Computing and Virtualization</b> " | 12-12-2022 to 24-12-2022 | 70                  |
| 5.   | A Two-Week Add-on Program on " <b>Weilding Technology</b> "                                      | 12-12-2022 to 24-12-2022 | 20                  |
| 6.   | A Two-Week Certificate Program on " <b>Python Programming</b> "                                  | 25-01-2023 to 04-02-2023 | 16                  |
| 7.   | A Two-Week Certificate Program on " <b>AWS Fast Track Program</b> "                              | 13-02-2023 to 28-02-2023 | 74                  |
| 8.   | A Two-Week Certificate Program on " <b>Wireless Networks</b> "                                   | 27-02-2023 to 15-03-2023 | 25                  |

  
IQAC

**IQAC**  
**RAJAMAHENDRI**  
INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALAPATNAM.  
RAJAMAHENDRAVARAM-533 107. E.G.Dist.

  
PRINCIPAL

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**RAJAMAHENDRI**  
INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALAPATNAM.  
RAJAMAHENDRAVARAM-533 107. E.G.Dist.



Date: 11-07-2022

**CIRCULAR**

It is here by informed to all IInd B.Tech I-Sem ECE A&B students that our college conducting **A Two-Week Certificate Program on "Internet of Things (IOT)"** on 18<sup>th</sup> July 2022 to 30<sup>th</sup> July 2022. All the students give their names to coordinator listed below on or before 15<sup>th</sup> July 2022. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET.

Coordinator: Mr N.Chandrasekhar, Assistant Professor, Dept. of ECE, RIET.

  
Principal


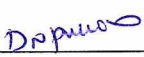











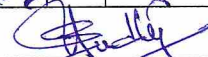
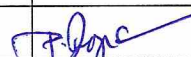
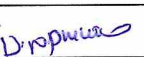
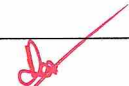

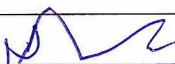

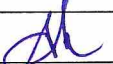

(Dr M. Murali Krishna)

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**BHOOPALAPATNAM**  
**RAJAMAHENDRAVARAM-533 107**

Copy to: Secretary

Copy to : All HODs for circulation to Staff

Copy to : Admin. Office

| BRANCH  | CSE   | Mech.   | ECE  | EEE   | S&H   |
|---|---|---|--|---|---|
| B.Tech.1stYear  |  |   |  | ----  |  |
| B.Tech.2nd Year   |  |  |  | ----  | ----  |
| B.Tech.3rdYear  |  |  |   |  | ----  |
| B.Tech.4thYear  |  |  |   |   | ----  |
| ALLHOD'S  |  |   |  |  |  |
| IQAC  | ACCOUNTS  | PLACEMENT CELL  | TRANSPORTDEPT.   | LIBRARY   | EXAM SECTION  |
|  |  |  |  |  |  |

## Organizing Committee

### Chief Patron

**Shri. A.V.V. Satyanarayana**

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

**Sri. T.V.L. Narasimha Rao**

Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. B. Sudhir**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [bsudhir539@gmail.com](mailto:bsudhir539@gmail.com)

### Co-ordinator

**Mr. N. Chandra Sekhar**

Assistant Professor,  
Department of Electronics and Communication Engineering

Mobile No: +91 9100729149

Email id: [narachandrasedkhar84@gmail.com](mailto:narachandrasedkhar84@gmail.com)

## A Two-Week Certificate Program on

# “Internet of Things”

## REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:

7. Signature of Participant:

8. Signature of class teacher:

9. Remarks (if any):

  
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Date:

Station:

HOD



## A Two-Week Certificate Program on

# “Internet of Things”

*Schedule:*

**18/07/2022 to 30/07/2022**

*Venue: Seminar Hall*



Organized

by

Department of

Electronics and Communication

Engineering

**RAJAMAHENDRI**

**INSTITUTE OF ENGINEERING &  
TECHNOLOGY**

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by JNTUK and Accredited by NAAC

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AP, 533107.

## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as “RIET” was established in the year 2008 in Rajahmundry by “The Swarnandhra Educational Society” pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in

adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## About the Department

The Department of Electronics and Communication Engineering, Rajamahendri Institute of Engineering and Technology was established in the year 2008. The department of ECE has been known for its exceptionally strong Under-Graduate training programmes. Ranked among the prominent in East Godavari, the department has always been on a progressive path, thanks to the experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education.

## About the Program



- Introduce some background and related technologies of IOT and discuss the concepts and objectives of IOT.
- Present the challenges and key scientific problems involved in IOT development.

## Topics to be Covered

- Introduction to IOT
- IOT and M2M
- Introduction to Python
- IOT Physical Devices and End Points
- IOT Physical Server and Cloud Offering
- Web Server for IOT

## Outcome of the event

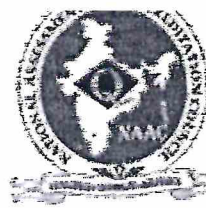
- Improve Efficiency. Data is key to successfully improving productivity and operational efficiency with IOT solutions.
- Gain Competitive Edge
- Expand Your IOT View.

## Resource Person

### Mr. B. Sudhir

Assistant Professor,  
Department of Electronics and Communication Engineering  
Mobile No: +91 9505486426  
Email id: [bsudhir539@gmail.com](mailto:bsudhir539@gmail.com)



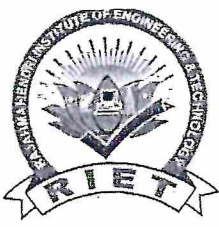


Date:15-07-2022

**PROGRAM SCHEDULE**

Program Schedule for A Two-Week Certificate Program on “Internet of Things (IOT)”.

| Duration  | Program                                     |
|---|---|
| <b>Day1:</b> 18-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Introduction to IoT                       |
| <b>Day2:</b> 19-07-2022<br>9:30AM-12:50PM<br>01:30PM-03:50PM  | ➤ Architectural Overview                    |
| <b>Day3:</b> 20-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Design principles and needed capabilities |
| <b>Day4:</b> 21-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Basics of Networking                      |
| <b>Day5:</b> 22-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ M2M and IoT Technology Fundamentals       |
| <b>Day6:</b> 23-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Data Management                           |
| <b>Day7:</b> 25-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Business processes in IoT                 |
| <b>Day8:</b> 26-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Everything as a Service (XaaS)            |
| <b>Day9:</b> 27-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Role of Cloud in IoT                      |




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eMail: office@rietrjy.co.in Website: www.rietrjy.co.in Ph: +91 91212 14413



|  |                            |
|--|----------------------------|
| <b>Day10:</b> 28-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Security aspects in IoT  |
| <b>Day11:</b> 29-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ IoT Applications Sensing |
| <b>Day12:</b> 30-07-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Communication Protocols  |

  
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eMail: office@rietrijy.co.in Website: www.rietrijy.co.in Ph: +91 91212 14413

**NAME OF THE PROGRAM : A Two Week Add on Program on Internet of things**  
**STUDENTS LIST**

| S.NO | REDG. NO.  | NAME OF THE STUDENT                  | YEAR/<br>BRANCH | SIGNATURE              |
|------|------------|--------------------------------------|-----------------|------------------------|
| 1.   | 21MD1A0401 | ADAPA VEERABABU                      | IV-I            | A.veerababu            |
| 2.   | 21MD1A0402 | AKULA VENKATA SATYA MANIKANTA SURYAM | IV-I            | A.V.S. Manikanta Surya |
| 3.   | 21MD1A0403 | ANUMALA DEVI PRIYA                   | IV-I            | A.P. Priya             |
| 4.   | 21MD1A0404 | ARJA JASWANTH                        | IV-I            | A.Jaswanth             |
| 5.   | 21MD1A0405 | BALAM BINDU MADHAVI NAGA LATHA       | IV-I            | B.H. kumar             |
| 6.   | 21MD1A0406 | BALLA HEMANTH KUMAR                  | IV-I            | B. Hemanth             |
| 7.   | 21MD1A0407 | BARLA VENKATA SAI VAIBHAVI           | IV-I            | B.V.S. Vaidhavi        |
| 8.   | 21MD1A0408 | BATHINA GOWTHAM VENKAT               | IV-I            | B.G. Venkat.           |
| 9.   | 21MD1A0410 | BODAPATI TEJASWI                     | IV-I            | B. Tejaswi             |
| 10.  | 21MD1A0411 | BODDETI LATHA SREE                   | IV-I            | B. Latha sree          |
| 11.  | 21MD1A0412 | BODDU PAVAN KUMAR                    | IV-I            | B. P. Kumar            |
| 12.  | 21MD1A0413 | BONI SURENDRA NAIDU                  | IV-I            | B.S. NAIDU             |
| 13.  | 21MD1A0414 | BONU VINOD KUMAR                     | IV-I            | B. Vinod kumar         |
| 14.  | 21MD1A0415 | CH.SAI GOWTHAM                       | IV-I            | Ch.S. Gowtham.         |
| 15.  | 21MD1A0416 | DANGETI TULASI LAKSHMI KANTH         | IV-I            | D.T.L. Kanth           |
| 16.  | 21MD1A0417 | DHANUVUREDDI SHABA RANI              | IV-I            | D.S. Rani.             |
| 17.  | 21MD1A0418 | DODDA LOVARAJU                       | IV-I            | D. Lovaraju            |
| 18.  | 21MD1A0419 | DULAM UMESH CHANDRA                  | IV-I            | D.V. chandra           |
| 19.  | 21MD1A0420 | DUNABOYINA PRASANNA HYMA             | IV-I            | D.P. Hyma              |
| 20.  | 21MD1A0421 | GADADASU MALLIKHARJUN                | IV-I            | G. Mallikharjun        |
| 21.  | 21MD1A0422 | GANGA BHARATH CHANDU                 | IV-I            | G.B. Chandu.           |
| 22.  | 21MD1A0423 | GONABOYENA GANESH                    | IV-I            | G. Ganesh              |
| 23.  | 21MD1A0425 | INDUKURI PAVANI                      | IV-I            | I. Pavani              |
| 24.  | 21MD1A0426 | JAYANTHI RAJESWARI SRAVYA            | IV-I            | J.R. Sravya            |
| 25.  | 21MD1A0427 | JOGI UMA NAGA SANKAR                 | IV-I            | J.U.N. Sankar          |





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|    |            |                                 |      |                  |
|----|------------|---------------------------------|------|------------------|
| 26 | 21MD1A0428 | JONNAPALLI SAIKRISHNA           | IV-I | J. Saikrishna    |
| 27 | 21MD1A0429 | JUPUDI DHEERAJ                  | IV-I | J. Dheeraj       |
| 28 | 21MD1A0430 | KADALI JAGADISH                 | IV-I | K. Jagadish      |
| 29 | 21MD1A0432 | KURUMALLA RAJESH CHANDRA        | IV-I | K.R. Chandra     |
| 30 | 21MD1A0433 | KARUMURI SHYAM                  | IV-I | K. Shyam         |
| 31 | 21MD1A0434 | KATURI NANDINI                  | IV-I | K. Nandini       |
| 32 | 21MD1A0435 | KOPARTHI TEJASWI                | IV-I | K. Tejaswi       |
| 33 | 21MD1A0436 | KORADA PAVANI                   | IV-I | K. Pavani        |
| 34 | 21MD1A0437 | KOTA GANGADHAR                  | IV-I | K. Gangadhar     |
| 35 | 21MD1A0438 | KURUPUDI MADHU SATHISH          | IV-I | K.M. Sathish     |
| 36 | 21MD1A0439 | LACHIREDDY SRI SHANMUKH         | IV-I | L. Sri Shanmukh  |
| 37 | 21MD1A0440 | MOTIPALLI KUMAR JAGADHISWAR     | IV-I | M.K. Jagadhiswar |
| 38 | 22MD5A0401 | BALLA NAGA SAI                  | IV-I | B. Naga Sai      |
| 39 | 22MD5A0402 | BANTU SUBRAHMANYAM              | IV-I | B. Subrahmanyam  |
| 40 | 22MD5A0403 | JAKKULA VINAY KUMAR             | IV-I | J. Vinay Kumar   |
| 41 | 22MD5A0405 | NAGIREDDY VEERA SAI DEVI KUMARI | IV-I | N.V.S.D. Kumari  |
| 42 | 22MD5A0407 | MUNI SATISH CHANDRA             | IV-I | M. Satish        |
| 43 | 21MD1A0441 | MADAPATI PAVANI                 | IV-I | M. Pavani        |
| 44 | 21MD1A0442 | MADDALA SHANMUKH ANUROOP TATAJI | IV-I | M.S.A. Tataji    |
| 45 | 21MD1A0448 | MEESALA SIVASRUJAN              | IV-I | M. Sivasrujan    |
| 46 | 21MD1A0449 | MUNAGALA LIKITH                 | IV-I | M. Likitha       |

H. Lakshmi  
Principal

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E.G. Dist., (A.P)









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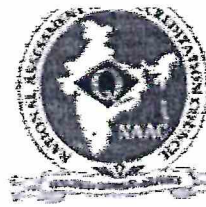
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|    |            |                                |   |   |   |   |   |   |   |   |   |   |   |   |
|----|------------|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 22MD5A0407 | MUNI SATISH CHANDRA            | P | P | P | P | P | P | P | P | P | P | P | P |
| 43 | 21MD1A0441 | MADAPATI PAVANI                | P | P | P | P | P | P | P | P | P | P | P | P |
| 44 | 21MD1A0442 | MADDALA S ANUROOP TATAJI       | P | P | P | P | P | P | P | P | P | P | P | P |
| 45 | 21MD1A0448 | MEESALA SIVASRUJAN             | P | P | P | P | P | P | P | P | P | P | P | P |
| 46 | 21MD1A0449 | MUNAGALA LIKITH                | P | P | P | P | P | P | P | P | P | P | P | P |
| 47 | 21MD1A0450 | MUNTHA VIJAYA DURGA KUMAR      | P | P | P | P | P | P | P | P | P | P | P | P |
| 48 | 21MD1A0451 | NADIMPALLI JAHNAVI LAKSHMI     | P | P | P | P | P | P | P | P | P | P | P | P |
| 49 | 21MD1A0453 | NAGULAPALLI DASARAD            | P | P | P | P | P | P | P | P | P | P | P | P |
| 50 | 21MD1A0454 | NANDURI NAGA V SAI LIKITHA SRI | P | P | P | P | P | P | P | P | P | P | P | P |
| 51 | 21MD1A0455 | NARAVA MANOJ SAI KUMAR         | P | P | P | P | P | P | P | P | P | P | P | P |
| 52 | 21MD1A0456 | NUKA V V M B L SAI SUPRIYA     | P | P | P | P | P | P | P | P | P | P | P | P |

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Date: 02-08-2022

**PROGRAM REPORT**

**Name and Title of the Program:** A Two-Week Certificate Program on “Internet of Things (IOT)”.

**Date & Time :** 18-07-2022 To 30-07-2022 & 10:00AM to 5:00PM.

**Resource Person:** B.Sudheer, Associate Professor, ECE-Dept, RIET

**Name of the Co ordinator :** N.Chandrasekhar , Assistant Professor, ECE-Dept, RIET.

**Objectives of the Program:**

1. To learn and understand elements of IOT system.
2. Acquire knowledge about various protocols of IOT.
3. To learn and understand design principles and capabilities of IOT.

**Out comes of the Program:**

The student will be able to:

1. Understand internet of Things and its hardware and software components.
2. Interface I/O devices, sensors & communication modules.
3. Remotely monitor data and control devices.
4. Design real time IoT based applications

**No. of Participants: 52**



**RESOURCEPERSONPROFILE**

**Name of the Certificate Program:** A Two-Week Certificate Program on “Internet of Things (IOT)”.



**Name of the Resource Person: Mr. B.Sudheer**

He completed M.Tech in ECE at JNTUK, 13 years of excellent teaching skills in relevant subjects. His area of specialization on Internet of Things and Best Knowledge in (IOT). Senior Faculty as an Assistant Professor in the Electronics and Communication Engineering Department is a distinguished position that encompasses advanced teaching, significant research contributions, and leadership within the academic community.

  
PRINCIPAL  
RAJAMAHENDRI  
INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALAPATNAM.  
RAJAMAHENDRAVARAM-533 107. E.G.Dist.

  
Coordinator



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W: [www.rietrijy.co.in](http://www.rietrijy.co.in)

P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. ARJA JASWANTH

*has participated in*

*An Add On Two-Week Certificate Program on "Internet Of Things"*

**18/07/2022 to 30/07/2022**

Mr. B. Sudheer  
HOD, Dept. of. ECE

Dr. M. Murali Krishna  
Principal



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P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. BUDDETI LATHA SREE

*has participated in*

*An Add On Two-Week Certificate Program on "Internet Of Things"*

**18/07/2022 to 30/07/2022**

Mr. B. Sudheer  
HOD, Dept. of. ECE

Dr. M. Murali Krishna  
Principal



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Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Dr. R. Rambabu Reddy**

Head of the Department,  
Department of Computer Science and Engineering,

Email id: [csc.hod@rietry.co.in](mailto:csc.hod@rietry.co.in)

### Co-ordinator

**Mrs. K. Jyothi**

Assistant Professor,  
Department of Computer Science and Engineering

Mobile No: +91 9493715900

Email id: [jyothi.kandregula@gmail.com](mailto:jyothi.kandregula@gmail.com)

## A Two-Week Certificate Program on

# “Angular JS”

## REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:
7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:

Station:

**PRINCIPAL**  
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**HOD**



## A Two-Week Certificate Program on

# “Angular JS”

**Schedule:**

**16-08-2022 to 30-08-2022**

**Venue: Seminar Hall**



**Organized**  
**by**  
**Department of**  
**Computer Science and Engineering**

**RAJAMAHENDRI**  
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**TECHNOLOGY**

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AP, 533107.

## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as "RIET" was established in the year 2008 in Rajahmundry by "The Swarnandhra Educational Society" pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in advanced technologies. They continuously

develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



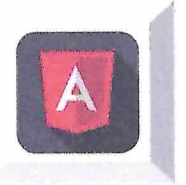
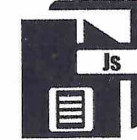
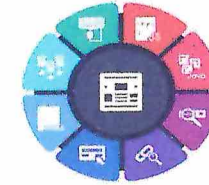
## About the Department

The Computer Science and Engineering department was established in the year 2008 with initial intake of 60 seats, increased to 120 in the year 2010. The Department of Computer Science and Engineering has a mission to empower every student to be industrious, creative and quality conscious in the field of Information Technology by imparting quality technical education and inculcating human and ethical values. The faculty members are highly qualified and experienced with specialization in Machine Learning, Data Science, Networking, Algorithms, Data Mining, Image Processing, Software Engineering, Network Security, Computer Vision, Web Technologies, Internet of Things, Cloud Computing Services etc.

Students are given proper exposure to current trends including IOT applications design and development, Cisco network management and administration, cloud services, bio-informatics, software architecture, sensor networks, cloud computing, mobile computing, soft computing, block chain technology, and artificial intelligence

etc. through workshops, guest lectures, seminars by industry experts and professionals.

## About the Program

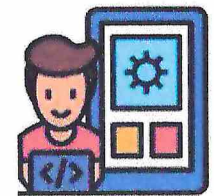


Angular JS is a JavaScript framework developed by Google for building dynamic web applications. It follows the Model-View-Controller (MVC) architecture, offering features like two-way data binding, directives for extending HTML, and dependency injection for modularity. It supports client-side routing for single-page applications (SPAs), provides tools for testing, and has a robust community and ecosystem. While Angular JS remains relevant, newer frameworks like Angular (Angular 2+) have become more popular. Developers should consider its limitations, such as performance issues with large applications, when choosing a framework.

## Resource Person

### Mr. P.S.S.K. Sarma

Associate Professor,  
Department of Computer  
Science and Engineering,  
Mobile No: +91 9491424256  
Email id: [prakhyassk@gmail.com](mailto:prakhyassk@gmail.com)





Date: 12-08-2022

Program Schedule for “A Two-Week Certificate Program on Angular JS”

| Duration  | Program   |
|---|---|
| <b>Day1:</b> 16-08-2022<br>10:00 AM - 12:40 PM<br>1:30 PM - 3:30 PM | <ul style="list-style-type: none"><li>➤ Introduction to the Program</li><li>➤ Introduction to Beginners with some knowledge of HTML, CSS</li></ul>  |
| <b>Day2:</b> 17-08-2022<br>10:00 AM - 12:40 PM<br>1:30 PM - 3:30 PM | <ul style="list-style-type: none"><li>➤ Basic knowledge of HTML, CSS, and JavaScript.</li><li>➤ A text editor (e.g., Visual Studio Code, Sublime Text, or Atom).</li><li>➤ A web browser for testing your AngularJS applications.</li></ul> |
| <b>Day3:</b> 18-08-2022<br>10:00 AM - 12:40 PM<br>1:30 PM - 3:30 PM | <b>Introduction to Angular JS</b> <ul style="list-style-type: none"><li>➤ Introduction to AngularJS and its history.</li><li>➤ Setting up your development environment (text editor, browser).</li></ul>                                    |
| <b>Day4:</b> 19-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <ul style="list-style-type: none"><li>➤ Creating a basic Angular JS application.</li><li>➤ Understanding the AngularJS MVC architecture (Model-View-Controller).</li><li>➤ AngularJS expressions and data binding.</li></ul>                |
| <b>Day5:</b> 20-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <b>Directives and Data Binding</b> <ul style="list-style-type: none"><li>➤ Exploring built-in directives (ng-app, ng-model, ng-bind).</li><li>➤ Two-way data binding with ng-model.</li></ul>   |
| <b>Day6:</b> 22-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <ul style="list-style-type: none"><li>➤ Using ng-repeat to iterate through arrays.</li><li>➤ ng-show and ng-hide for conditional rendering.</li></ul>   |
| <b>Day7:</b> 23-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <b>Controllers and Scope</b> <ul style="list-style-type: none"><li>➤ Creating controllers in Angular JS.</li><li>➤ Understanding the concept of \$scope.</li></ul>  |



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Website: [www.rietjy.co.in](http://www.rietjy.co.in)

Ph: +91 91212 14413



|  |  |
|--|--|
| <b>Day8:</b> 24-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM  | <ul style="list-style-type: none"><li>➤ Binding data to the \$scope object.</li><li>➤ Passing data from the controller to the view.</li><li>➤ Controller best practices.</li></ul>                                       |
| <b>Day9:</b> 25-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM  | <b>Services and Dependency Injection</b> <ul style="list-style-type: none"><li>➤ Introduction to Angular JS services.</li><li>➤ Creating custom services.</li></ul>  |
| <b>Day10:</b> 26-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <ul style="list-style-type: none"><li>➤ Dependency injection and its role in Angular JS.</li><li>➤ Using built-in services like \$http for AJAX requests.</li><li>➤ Error handling in Angular JS applications.</li></ul> |
| <b>Day11:</b> 27-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <b>Routing and Single Page Applications (SPAs)</b> <ul style="list-style-type: none"><li>➤ Setting up Angular JS routing for SPAs.</li><li>➤ Creating multiple views and templates.</li></ul>                            |
| <b>Day12:</b> 29-08-2022<br>10:00 AM - 12:30 PM<br>1:30 PM - 3:30 PM | <ul style="list-style-type: none"><li>➤ Navigation between views.</li><li>➤ Using ng-view for dynamic content.</li></ul>   |
| <b>Day13:</b> 30-08-2022<br>10:00 AM - 12:30 PM<br>2:00 PM - 3:45 PM | <ul style="list-style-type: none"><li>➤ Building a simple single-page application.</li><li>➤ Revision Topics</li></ul>   |



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### NAME OF THE PROGRAM : A Two week Certificate Program on Angular JS STUDENTS LIST

| S. NO | REDG. NO.  | NAME OF THE STUDENT          | YEAR/<br>BRANCH | SIGNATURE        |
|-------|------------|------------------------------|-----------------|------------------|
| 1     | 19MD1A0501 | AMALAKANTI HEMASATYA         | IV-I            | A. Hemasatya     |
| 2     | 19MD1A0502 | ANKIT KUMAR                  | IV-I            | A. Kumar         |
| 3     | 19MD1A0503 | ANNALADASU CHINNA RAJAMMA    | IV-I            | A. CH. Rajamma   |
| 4     | 19MD1A0504 | APPANA SRI CHARAN            | IV-I            | A. Sri Charan    |
| 5     | 19MD1A0505 | ATHILI AJAY DURGA            | IV-I            | A.A. Durga       |
| 6     | 19MD1A0506 | ATYAM SAI ABHAY              | IV-I            | A.T. Abhay       |
| 7     | 19MD1A0507 | AYINAM SIVANI                | IV-I            | A. Sivani        |
| 8     | 19MD1A0508 | BASAVA APARNA                | IV-I            | B. APARNA        |
| 9     | 19MD1A0509 | BOLISSETTI MYTHRIKA          | IV-I            | B. MYTHRIKA      |
| 10    | 19MD1A0510 | BOLLA RAMA HARIKA            | IV-I            | B.R. HARIKA      |
| 11    | 19MD1A0514 | DASARI LAKSHMI SAI SINDHUJA  | IV-I            | D.L.S. Sindhuja  |
| 12    | 19MD1A0515 | EATHA APARNA                 | IV-I            | E. Aparna        |
| 13    | 19MD1A0516 | GADA GAYATHRI DEVI           | IV-I            | G. Gayathri devi |
| 14    | 19MD1A0517 | GANNAMANENI SIVA             | IV-I            | G. Siva          |
| 15    | 19MD1A0518 | GUNDRAPU SUNIL               | IV-I            | G. SUNIL         |
| 16    | 19MD1A0519 | KALLA BABURAO                | IV-I            | K. Baburao       |
| 17    | 19MD1A0520 | KANCHUMARTHI MADHURI         | IV-I            | K. Madhuri       |
| 18    | 19MD1A0521 | KATIKA MOUNIKA               | IV-I            | K. Mounika       |
| 19    | 19MD1A0522 | KOLLI MOHAN SRI SAI          | IV-I            | K. Mohan         |
| 20    | 19MD1A0528 | MANUBOTHULA SAI KRISHNA      | IV-I            | M.S Krishna      |
| 21    | 19MD1A0529 | MEDIBOINA BHAVANA            | IV-I            | M. Bhavana       |
| 22    | 19MD1A0530 | MUTYALA HEMA TEJASWI         | IV-I            | M. H. Tejaswi    |
| 23    | 19MD1A0531 | NACHIREDDY KAMALA PRIYA      | IV-I            | N.K Priya        |
| 24    | 19MD1A0532 | PEDAPUDI DURGA PAVAN KALYAN  | IV-I            | P.D.P. Kalyan    |
| 25    | 19MD1A0533 | PENUMETSA VENKATA SIVA VARMA | IV-I            | P.V.S. Varma     |



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|    |            |                                      |      |                         |
|----|------------|--------------------------------------|------|-------------------------|
| 26 | 19MD1A0534 | PERICHERLA SRI SANTHI PRIYA          | IV-I | P.S.S. Priya            |
| 27 | 19MD1A0535 | PILLA HANUMA NAGA SATYA SAI NAVEEN   | IV-I | P.H.N.S.S. Naveen       |
| 28 | 19MD1A0536 | YALLAPU PRAMEELA                     | IV-I | Y. Prameela             |
| 29 | 19MD1A0540 | SOMU LAKSHMI                         | IV-I | S. Laxmi                |
| 30 | 19MD1A0541 | TANAKALA MANIKANTA                   | IV-I | T. Manikanta            |
| 31 | 19MD1A0542 | THAMMINA SAMPATH KUMAR               | IV-I | T.S. Kumar              |
| 32 | 19MD1A0543 | THOTA TRINADH                        | IV-I | T. Trinadh              |
| 33 | 19MD1A0544 | THOTA YESASWINI                      | IV-I | T. Yesaswini            |
| 34 | 19MD1A0545 | TOLETI NAGASAI NISHITHA              | IV-I | T. Nagasai              |
| 35 | 19MD1A0547 | VARREY SHIVA GANESH BHANU PRATHYUSH  | IV-I | V.S.G.B. Prathyush      |
| 36 | 19MD1A0548 | YERUBANDI DORABABU                   | IV-I | Y. Dorababu             |
| 37 | 19MD1A0549 | ALLA SANJANA DEVI                    | IV-I | A. Sanjana devi         |
| 38 | 19MD1A0551 | CHAKKA SNEHITHA                      | IV-I | Ch. Snehitha            |
| 39 | 19MD1A0552 | CHITTA LAKSHMI SATYA SRINIVAS        | IV-I | Ch. Lakshmi Satya srini |
| 40 | 19MD1A0553 | CHITTURI CHANDINI                    | IV-I | C. Chandini             |
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| 44 | 19MD1A0557 | ESWAR DEVI SETTI                     | IV-I | E. Devi setti           |
| 45 | 19MD1A0558 | GADDE DEDEEPPYA                      | IV-I | G. Deedeeppya           |
| 46 | 19MD1A0559 | GARAPATI BHARGAVI JYOTHI             | IV-I | G. Deedeeppya           |
| 47 | 19MD1A0564 | INDUKURI LAKHSMI NAGA PRANAVI        | IV-I | I.L.N. pranavi          |
| 48 | 19MD1A0565 | KADALI SAI SREE                      | IV-I | K. Sai sree             |
| 49 | 19MD1A0566 | KAGITAPU RAMYA SREE                  | IV-I | K. Ramya Sree           |
| 50 | 19MD1A0567 | KAMAVARAPU MANOJ KUMAR               | IV-I | K.M. kumar              |
| 51 | 19MD1A0568 | KAMISSETTI HEMA LALITHA              | IV-I | K. H. Lalitha           |
| 52 | 19MD1A0570 | KANDELLI VIJAYA RATHNA KUMARI        | IV-I | K. U. R. Kumari         |
| 53 | 19MD1A0571 | KANDULA AMRUTHAVALLI                 | IV-I | K. Amruthavalli         |





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|----|------------|-------------------------------------|------|----------------------|
| 54 | 19MD1A0572 | KONDREDDY NIKHIL SURYA              | IV-I | K.N. Surya           |
| 55 | 19MD1A0573 | KOTA SAI TARUN                      | IV-I | K.S. TARUN           |
| 56 | 19MD1A0574 | MADDALA JAHNAVI NAGA BHANU          | IV-I | M.J. N. Bhanu        |
| 57 | 19MD1A0576 | MENDU SRAVYA                        | IV-I | M. SRAVYA            |
| 58 | 19MD1A0577 | MOGALLAPU VEERA VENKATA NAVEEN      | IV-I | M.V.V. Naveen        |
| 59 | 19MD1A0578 | NACHIREDDY R AMRUTHA NAGALAKSHMI    | IV-I | N.R. Amrutha         |
| 60 | 19MD1A0579 | NARAMAMIDI RAMYA                    | IV-I | N. Ramya             |
| 61 | 19MD1A0580 | PALADUGULA TEJA SAI LAKSHMI         | IV-I | P.T.S. LAKSHMI       |
| 62 | 19MD1A0581 | PIRATLA SRINIVASU                   | IV-I | P. srinivasu         |
| 63 | 19MD1A0582 | PIRATLA VEERA VENKATA SATYANARAYANA | IV-I | P.V.V. Satyanarayana |
| 64 | 19MD1A0583 | PONUGUMATLA RAJU                    | IV-I | P. Raju              |
| 65 | 19MD1A0584 | PUNNAMRAJU SIREESHA                 | IV-I | P. SIREESHA          |
| 66 | 19MD1A0585 | SAI RAM PEMMIREDDY                  | IV-I | S.R.P Reddy          |
| 67 | 19MD1A0586 | SATTI VENKATA SAI REDDY             | IV-I | S.V.S. Reddy         |
| 68 | 19MD1A0587 | SHAIK FIZA                          | IV-I | S Fiza               |
| 69 | 19MD1A0588 | SIDDANA SAI PRAVEEN KUMAR           | IV-I | S. Sai Praveen Kumar |
| 70 | 19MD1A0589 | SUNKARA SHYAM PRASAD                | IV-I | S. Shyam prasad      |
| 71 | 19MD1A0590 | THOTAKURA NAGA VAMSI                | IV-I | T. naga vamsi        |
| 72 | 19MD1A0591 | THUMU DURGA TANUJA                  | IV-I | T. Durga             |
| 73 | 19MD1A0592 | VEMPATI RATNA SRESHNAVI             | IV-I | V.R. Sreshnavi       |
| 74 | 19MD1A0593 | VETCHA SHYAM                        | IV-I | V. shyam             |
| 75 | 19MD1A0594 | YALAMATI NAGA SUPRAJA               | IV-I | Y.N. SUPREJA         |
| 76 | 20MD5A0501 | VUPPALA KOWSHIK                     | IV-I | V. Kowshik           |

M. L. S.  
Principal

Rajamahendri Institute of Engineering & Technology  
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|----|------------|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 19MD1A0584 | PUNNAMRAJU SIREESHA       | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 66 | 19MD1A0585 | SAI RAM PEMMIREDDY        | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 67 | 19MD1A0586 | SATTI VENKATA SAI REDDY   | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 68 | 19MD1A0587 | SHAIK FIZA                | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 69 | 19MD1A0588 | SIDDANA SAI PRAVEEN KUMAR | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 70 | 19MD1A0589 | SUNKARA SHYAM PRASAD      | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 71 | 19MD1A0590 | THOTAKURA NAGA VAMSI      | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 72 | 19MD1A0591 | THUMU DURGA TANUJA        | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 73 | 19MD1A0592 | VEMPATI RATNA SRESHNAVI   | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 74 | 19MD1A0593 | VETCHA SHYAM              | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 75 | 19MD1A0594 | YALAMATI NAGA SUPRAJA     | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 76 | 20MD5A0501 | VUPPALA KOWSHIK           | P | P | P | P | P | P | P | P | P | P | P | P | P |

M. Lakshmi

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RAJAMAHENDRAVARAM-533 107. E.G. Dist.



Date: 03-09-2022

## PROGRAM REPORT

**Name and Title of Program: “A Two Week Certificate Program on Angular JS”**

**Date of Duration:** 16-08-2022 to 30-08-2022

**Objective of the Program:**

- 1. Simplify Web Development:** Angular JS aims to simplify web development by providing a framework that handles common tasks, such as data binding, DOM manipulation, and routing, so that developers can focus on building the application's unique features rather than reinventing the wheel.
- 2. Dynamic and Interactive User Interfaces:** Angular JS enables the creation of dynamic and interactive user interfaces through two-way data binding. Changes in the model are automatically reflected in the view and vice versa, providing a seamless user experience.
- 3. Modular and Maintainable Code:** Angular JS promotes the development of modular and maintainable code. It encourages the use of components like controllers, directives, and services, which help in organizing code into smaller, reusable parts.
- 4. Separation of Concerns:** Angular JS enforces the separation of concerns by following the Model-View-Controller (MVC) architectural pattern. This separation makes code more manageable and promotes collaboration among developers working on different aspects of the application.
- 5. Extensibility and Reusability:** Developers can extend Angular JS by creating custom directives, services, and filters, making it possible to create reusable components that can be shared across projects.
- 6. Dependency Injection:** Angular JS employs a dependency injection system, making it easy to manage and inject dependencies into different parts of the application. This promotes modular and testable code.
- 7. Testing and Testability:** Angular JS is designed with testability in mind. It provides tools and patterns for writing unit and end-to-end tests, which can help ensure the reliability and stability of applications.



**8. AJAX and Server Communication:** Angular JS includes built-in services for making asynchronous requests (e.g., \$http) and simplifies handling data from servers. This simplifies the process of integrating with APIs and back-end services.

**9. Single Page Application (SPA) Support:** Angular JS is suitable for building single-page applications (SPAs) with features like client-side routing and view templates. This enables smooth user experiences without full page reloads.

**10. Community and Ecosystem:** Angular JS benefits from a strong community and ecosystem. It has a wealth of third-party libraries, plugins, and resources available for extending its capabilities.

**11. Backward Compatibility:** While promoting the transition to Angular (Angular 2+), Angular JS aims to maintain backward compatibility and support for existing applications, ensuring that developers can continue to maintain and update their projects.

#### Topics to be covered:

##### Best Practices and Code Organization:

- Angular JS best practices for code structure and organization.
- Modular development.

##### Advanced Topics (Optional):

- Internationalization and localization (i18n and l10n).
- Authentication and security in Angular JS.
- Real-time features using Web Sockets.
- Performance optimization techniques.

##### Project Development:

- Building a small Angular JS project to apply the concepts learned.

##### Transition to Angular (Angular 2+):

- Understanding the key differences and considerations when transitioning to Angular, the successor to Angular JS.



# RAJAMAHENDRI

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### Out Comes of the Program:

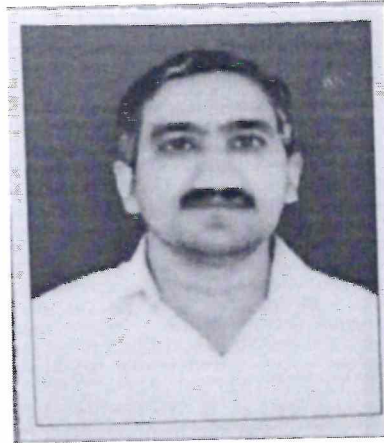
Assign a project that allows students to build a small web application using Angular JS. This project should include multiple views, controllers, services, and routing.

No. of Participants: 76



**RESOURCE PERSON PROFILE**

**Name of the Certification program: "A Two-Week Certificate Program on Angular JS"**



**Name of the Resource Person: Mr. P.S.S.K. Sarma**

Mr. P.S.S.K. Sarma, an Associate Professor in the Computer Science Department, stands as a seasoned professional with an impressive 20-year work experience. Having earned his Master's in Technology (M.Tech) at JNTUK, his journey reflects a dedication to both learning and teaching. Within the classroom, he goes beyond traditional instruction, creating an interactive and inspiring learning environment with a deep commitment to the field. He not only excels in teaching, creating an engaging learning atmosphere, but also actively contributes to the department's growth. Beyond being an educator, he is a guide, helping students navigate the complexities of computer science.

*K. P. S. K. Sarma*  
Co-ordinator

  
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W: [www.rietjy.co.in](http://www.rietjy.co.in)

P: +91 9121214413

## Participation Certificate


This is to certify that


✓  
Mr./Mrs./Ms. ESWAR DEVI SETTI

has participated in

A Two-Week Program on "Angular JS"

16/08/22 to 30/08/22

  
Dr. R. Rambabu  
HOD, Dept. of. CSE

  
Dr. M. Murali Krishna  
Principal

  
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W: [www.rietrijy.co.in](http://www.rietrijy.co.in)

P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. BOLISETTI MYTHRIKA

*has participated in*

A Two-Week Program on "Angular JS"

**16/08/22 to 30/08/22**

Dr. R. Rambabu  
HOD, Dept. of. CSE

Dr. M. Murali Krishna  
Principal

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Date: 22-08-2022

### CIRCULAR

It is here by informed to all III<sup>rd</sup> B.Tech I-Sem ECE students that our college conducting A Two-Week Certificate Program on "Digital Signal Processing" on 1st September 2022 to 14<sup>th</sup> September 2022. All the students give their names to coordinator listed below on or before 27th August 2022. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall ,RIET

Coordinator: Mr J .Kiran Chandrasekhar, Assistant Professor ,Dept. of ECE,RIET.

  
Principal























(Dr M. Murali Krishna)

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Copy to: Secretary

Copy to: All HODs for circulation to Staff

Copy to: Admin. Office

| BRANCH  | CSE   | Mech.   | ECE  | EEE   | S&H   |
|---|---|---|--|---|---|
| B.Tech.1stYear  |   |   |  | ----  | Disapprove  |
| B.Tech.2nd Year   |  |  |   |   | -----   |
| B.Tech.3rdYear  |  |  |   |    | -----   |
| B.Tech.4thYear  |  |  |   |    | -----   |
| ALLHOD'S  |  |  |   |  | Disapprove  |
| IQAC  | ACCOUNTS  | PLACEMENT CELL  | TRANSPORTDEPT.   | LIBRARY   | EXAM SECTION  |
|  |  |  |  |  |  |

## Organizing Committee

### Chief Patron

**Shri. A.V.V. Satyanarayana**

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

**Sri. T.V.L. Narasimha Rao**

Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr.B. Sudhir**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [bsudhir539@gmail.com](mailto:bsudhir539@gmail.com)

### Co-ordinator

**Mr. J. Kiran Chandhra Shekar**

Assistant Professor,  
Department of Electronics and Communication Engineering

Mobile No: +91 9966049405

Email id: [kiran.jarajapu@gmail.com](mailto:kiran.jarajapu@gmail.com)

## A Two-Week Certificate Program on “Digital Signal Processing”

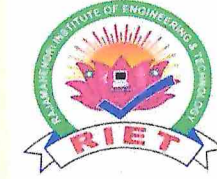
### REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:
7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:  
Station:

  
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RAJAMAHENDRAVARAM-533 107. E.G.Dist.

HOD



## A Two-Week Certificate Program on “Digital Signal Processing”

*Schedule:*

01/09/2022 to 14/09/2022

*Venue: Seminar Hall*



Organized  
by  
Department of  
Electronics and Communication  
Engineering

**RAJAMAHENDRI**  
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AP, 533107.

## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as "RIET" was established in the year 2008 in Rajahmundry by "The Swarnandhra Educational Society" pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in advanced

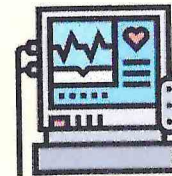
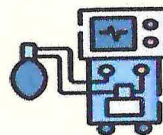
technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## About the Department

The Department of Electronics and Communication Engineering, Rajamahendri Institute of Engineering and Technology was established in the year 2008. The department of ECE has been known for its exceptionally strong Under-Graduate training programmes. Ranked among the prominent in East Godavari, the department has always been on a progressive path, thanks to the experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education.

## About the Program



- ❖ To study the image fundamentals and mathematical transforms necessary for image processing
- ❖ To study the image enhancement techniques.
- ❖ To study image restoration procedures.
- ❖ To study the image compression procedures.

## Topics to be covered

### 1. Medical Image

- Medical Image Processing
- Computer Aided Diagnosis
- Computer Aided Detection

### 2. Natural Image (Object and Scene Image)

- Image Classification
- Image Segmentation
- Object Detection
- Object Recognition

## Resource Person

### Mr. T. Gangadhar Rao

Assistant Professor,  
Department of Electronics and  
Communication Engineering  
Mobile No: +91 8465899442  
Email id: [tgangadharrao1990@gmail.com](mailto:tgangadharrao1990@gmail.com)





Date: 29-08-2022

**PROGRAMSCHEDULE**

Program Schedule for A Two-Week Certificate Program on “**Digital Signal Processing**”

| Duration  | Program   |
|---|---|
| <b>Day1:</b> 01-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Introduction to Digital Signal Processing                                     |
| <b>Day2:</b> 02-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Discrete-time signal & sequences<br>➤ Classification of discrete-time systems |
| <b>Day3:</b> 03-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Response of LTI systems to arbitrary inputs<br>➤ Review of Z-transforms       |
| <b>Day4:</b> 05-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ System function   |
| <b>Day5:</b> 06-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Properties of discrete Fourier series   |
| <b>Day6:</b> 07-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ DFS representation of periodic sequences                                      |
| <b>Day7:</b> 08-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Properties of DFT   |
| <b>Day8:</b> 09-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Linear filtering methods based on DFT   |
| <b>Day9:</b> 10-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Butterworth and Chebyshev   |



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eMail: office@rietjy.co.in Website: www.rietjy.co.in Ph: +91 91212 14413



|  |  |
|--|--|
| <b>Day10:</b> 12-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Basic structure of IIR systems         |
| <b>Day11:</b> 13-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Transposed forms                       |
| <b>Day12:</b> 14-09-2022<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Characteristics of FIR Digital Filters |

  
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NAME OF THE PROGRAM : A Two Week Add on Program on Digital signal processing

## STUDENTS LIST

| S.NO | REDG. NO.  | NAME OF THE STUDENT           | YEAR/<br>BRANCH | SIGNATURE          |
|------|------------|-------------------------------|-----------------|--------------------|
| 1.   | 20MD1A0401 | AMARA RAMU                    | III-II          | A. Ramu            |
| 2.   | 20MD1A0402 | BONAGIRI SATYANARAYANA        | III-II          | B. Satyanarayana   |
| 3.   | 20MD1A0403 | CHALAPATHI RAJANI DEVI        | III-II          | C. Rajanidevi      |
| 4.   | 20MD1A0404 | JUJJAVARAPU VENKATA SRI HARI  | III-II          | S. Hari            |
| 5.   | 20MD1A0405 | KANDULA NAGA SAI ANUSHA       | III-II          | K. Anusha          |
| 6.   | 20MD1A0406 | KOMMULA CHAITANYA BHARATHI    | III-II          | K. C. bhavathi     |
| 7.   | 20MD1A0407 | PICHUKA PRANEETH SRIKANTH     | III-II          | P. D. Praneeth     |
| 8.   | 20MD1A0408 | PONNAGANTI DEVI DEEPIKA       | III-II          | P. D. Deepika      |
| 9.   | 20MD1A0409 | SANGULA NAGA BABU             | III-II          | S. Naga babu       |
| 10.  | 20MD1A0410 | SHAIK THOHA                   | III-II          | S. Thoha           |
| 11.  | 20MD1A0411 | SURISSETTI SURESH             | III-II          | S. Suresh          |
| 12.  | 20MD1A0413 | UNDI LAKSHMI GAYATHRI         | III-II          | U. L. Gayathri     |
| 13.  | 20MD1A0414 | YANAGANTI DHARANI             | III-II          | Y. Dharani         |
| 14.  | 21MD5A0401 | AKKINA RAVI SAI CHOWDARY      | III-II          | A.R. Sai chowdary  |
| 15.  | 21MD5A0402 | ALLU KOMALI                   | III-II          | A Komali           |
| 16.  | 21MD5A0403 | BALA SUBRAHMANYA SAI          | III-II          | B. Subrahmanya Sai |
| 17.  | 21MD5A0404 | DEVADA ANANDA VANI            | III-II          | D. Anandavani      |
| 18.  | 21MD5A0405 | KAPAKAYALA ANAND VAMSI GANESH | III-II          | K. anandvan        |
| 19.  | 21MD5A0406 | KUKKALA SAI CHAKRAVARTHI      | III-II          | K. Sai chakravarti |
| 20.  | 21MD5A0407 | NIMMALA SWARUPA RANI          | III-II          | N. SWARUPA Rani    |
| 21.  | 21MD5A0408 | SATTI NAGA VENKATA GANESH     | III-II          | S. N. V. Ganesh    |
| 22.  | 21MD5A0409 | YADLA YAMUNA                  | III-II          | Y. Yamuna          |
| 23.  | 206L1A0431 | YARLAGADDA JASMINE            | III-II          | Y. Jasmine         |

M. L. L.

Principal

Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajahmundry-533 107  
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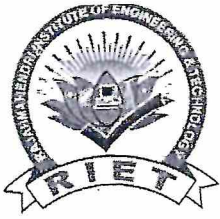


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|----|------------|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 21MD5A0406 | KUKKALA SAI CHAKRAVARTHI  | P | P | P | P | P | P | P | P | P | P | P | P |
| 20 | 21MD5A0407 | NIMMALA SWARUPA RANI      | P | P | P | P | P | P | P | P | P | P | P | P |
| 21 | 21MD5A0408 | SATTI NAGA VENKATA GANESH | P | P | P | P | P | P | P | P | P | A | P | P |
| 22 | 21MD5A0409 | YADLA YAMUNA              | P | P | P | P | P | P | P | P | P | P | P | P |
| 23 | 206L1A0431 | YARLAGADDA JASMINE        | A | A | A | A | A | A | A | A | A | A | A | A |

M. L. S.

Principal

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Bhoopalapatnam, Rajamahendravaram-533107  
E.G. Dist., (A.P)



Date: 19-09-2022

## PROGRAM REPORT

**Name and Title of the Program:** A Two-Week Certificate Program on “Digital Signal Processing”.

**Date & Time:** 01-09-2022 to 14-09-2022 & 10:00 AM to 5:00 PM

**Resource Person:** Mr. T. Gangadhar, Assistant Professor, Dept of ECE, RIET

**Name of The Coordinator:** Mr J .Kiran Chandrasekhar , Assistant Professor, Dept of ECE, RIET.

### Objectives of the Program:

The student will be able to:

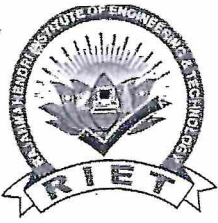
1. Analyze the discrete-time signals and systems in time and frequency domains.
2. Know the importance of FFT algorithm for computation of Discrete Fourier Transform  
Understand the various implementations of digital filter structures.
3. Learn the FIR and IIR Filter design procedures.
4. Learn the concepts of DSP Processors.

### Out Comes of the Program:

The student will be able to:

1. Formulate engineering problems in terms of DSP operations.
2. Analyze digital signals and systems.
3. Analyze discrete time signals in frequency domain.
4. Design digital filters and implement with different structures.
5. Understand the key architectural.

**No. of Participants :23**



**RESOURCE PERSON PROFILE**

Name of the Certificate Program: A Two-Week Certificate Program on “Digital Signal Processing”.



**Name of the Resource Person: Mr. T. Gangadhar**

He completed M.Tech in ECE at JNTUK, 7 years of excellent teaching skills in relevant subjects. His area of specialization on Digital Signal Processing and Best Knowledge in (DSP). Senior Faculty as an Assistant Professor in the Electronics and Communication Engineering Department is a distinguished position that encompasses advanced teaching, significant research contributions, and leadership within the academic community.

  
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BHOOPALAPATNAM.  
RAJAMAHENDRAVARAM-533 107. E.G.Dist.

  
Coordinator



RAJAMAHENDRI



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E: [office@rajma.edu.in](mailto:office@rajma.edu.in)

W: [www.rajma.edu.in](http://www.rajma.edu.in)

P: +919121214413

## Participation Certificate

This is to certify that

Mr./Mrs./Ms. SANGHAVA NARASIMH

Has participated in

An Add-On Two Week Certificate Program On "Digital Signal Processing"

**01/09/2022 to 14/09/2022**

Mr. B. Sudhir

HOD, Dept. of ECE

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RAJAMAHENDRAVARAM-533 107, E.G. Dist.

Dr. M. Murali Krishna

Principal



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W: [www.rajatech.edu.in](http://www.rajatech.edu.in)

P: +919121214413

## Participation Certificate

This is to certify that

Mr./Mrs./Ms. YANDRANTI DHARAM

Has participated in

An Add-On Two Week Certificate Program On "Digital Signal Processing"

01/09/2022 to 14/09/2022

Mr. B. Sudhir

HOD, Dept. of ECE

Dr. M. Murali Krishna

Principal

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Website: www.rietrjy.co.in

Ph: +91 91212 14413



Date: 01-12-2022

### CIRCULAR

It is here by informed to all III B.Tech – II Sem CSE A & B that our college conducting “A Two-Week Certificate Program on Recent Trends in Cloud Computing and Virtualization” Program on 12<sup>th</sup> December 2022 to 24<sup>th</sup> December 2022. All the students give their names to coordinator listed below on or before 11<sup>th</sup> December 2022. Hence all the students here by informed to attend the classes without fail.

**Venue:** Seminar Hall, RIET


**Coordinator:** Mr. Ch. Gopi, Assistant Professor, Dept. of CSE, RIET

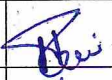



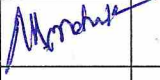





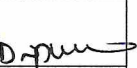


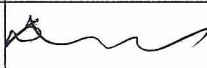
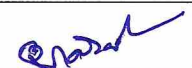


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| BRANCH  | CSE   | DS  | AIML   | ECE   | EEE   | MECH  | S & H   |
|---|---|---|--|---|---|---|---|
| B.Tech 1 <sup>st</sup> Year   |   | yl  | yl   |   |   |   |   |
| B.Tech 2 <sup>nd</sup> Year   |   |   |  |   |   |   |   |
| B.Tech 3 <sup>rd</sup> Year   |  |  | -  | -   |    |  |  |
| B.Tech 4 <sup>th</sup> Year   |  |   |  |   |   |   |   |
| ALL HOD'S   |  |   |  |   |  |  |  |
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Chairman, Swarnandhra Educational Society

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**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

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Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Dr. R. Rambabu Reddy**

Head of the Department,  
Department of Computer Science and Engineering,

Email id: [cse.hod@rietrijy.co.in](mailto:cse.hod@rietrijy.co.in)

### Co-ordinator

**Mr. Ch. Gopi**

Assistant Professor,  
Department of Computer Science and Engineering

Mobile No: +91 817930091

Email id: [chindada.gopi@gmail.com](mailto:chindada.gopi@gmail.com)

## A Two-Week Certificate Program on “Recent Trends in Cloud Computing and Virtualization”

### REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:
  
7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:  
Station:

  
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HOD



## A Two-Week Certificate Program on “Recent Trends in Cloud Computing and Virtualization”

*Schedule:*

*12-12-2022 to 24- 12-2022*

*Venue: Seminar Hall*



Organized  
by  
Department of  
Computer Science and Engineering

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AP, 533107.



## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as "RIET" was established in the year 2008 in Rajahmundry by "The Swarnandhra Educational Society" pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in advanced technologies. They continuously

develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## About the Department

The Computer Science and Engineering department was established in the year 2008 with initial intake of 60 seats, increased to 120 in the year 2010. The Department of Computer Science and Engineering has a mission to empower every student to be industrious, creative and quality conscious in the field of Information Technology by imparting quality technical education and inculcating human and ethical values. The faculty members are highly qualified and experienced with specialization in Machine Learning, Data Science, Networking, Algorithms, Data Mining, Image Processing, Software Engineering, Network Security, Computer Vision, Web Technologies, Internet of Things, Cloud Computing Services etc.

Students are given proper exposure to current trends including IOT applications design and development, Cisco network management and administration, cloud services, bio-informatics, software architecture, sensor networks, cloud computing, mobile computing, soft computing, block chain technology, and artificial intelligence

etc. through workshops, guest lectures, seminars by industry experts and professionals.

## About the Program



Recent trends in cloud computing and virtualization include server less computing, edge computing, hybrid and multi-cloud strategies, containerization with Kubernetes, AI and machine learning integration, heightened focus on security and compliance, server less containers, green cloud computing, quantum computing integration, and server less databases. These trends collectively aim to enhance flexibility, efficiency, and innovation in IT infrastructure and application management.

## Resource Person

**Mr. P. Rama Krishna**

Assistant Professor,  
Department of Computer  
Science And Engineering

Mobile No: +91 9492168458

Email id: [ramakrishnapothula@gmail.com](mailto:ramakrishnapothula@gmail.com)





Date: 10-12-2022

**Program Schedule for “A Two-Week Certificate Program on Recent Trends in Cloud Computing and Virtualization**

| Duration  | Program   |
|---|---|
| <b>Day1:</b> 12-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Introduction Program</li><li>• Introduction to Cloud Computing</li></ul>  |
| <b>Day2:</b> 13-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Service Models:</li><li>• Software as a Service(SAAS)</li><li>• Infrastructure as Service(IAAS)</li><li>• Platform as a Service(PAAS)</li></ul> |
| <b>Day3:</b> 14-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Top Cloud Computing Trends for 2022</li><li>• Introduction of the Citizen Developer</li></ul>   |
| <b>Day4:</b> 15-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Better AI/ML</li><li>• Automation</li></ul>   |
| <b>Day5:</b> 16-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Continued Investment in Data</li><li>• Competition</li></ul>  |
| <b>Day6:</b> 17-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Kubernetes and Docker to Manage Cloud Deployment</li><li>• Cloud Security and Resilience</li></ul>  |
| <b>Day7:</b> 19-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Multi and Hybrid Cloud Solutions</li><li>• Cloud Cost Optimization.</li></ul>   |
| <b>Day8:</b> 20-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Edge Computing</li><li>• Disaster Recovery</li></ul>  |
| <b>Day9:</b> 21-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Innovation and Consolidation in Cloud Gaming</li><li>• Serverless Computing</li></ul>   |



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Website: [www.rietjy.co.in](http://www.rietjy.co.in)

Ph: +91 91212 14413



|  |   |
|--|---|
| <b>Day10:</b> 22-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Blockchain</li><li>• IoT</li><li>• Open Source Cloud</li></ul>  |
| <b>Day11:</b> 23-12-2022<br>10:00AM-12:30PM<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Low-Code and No-Code Cloud Services</li><li>• Service Mesh</li></ul>                                    |
| <b>Day12:</b> 24-12-2022<br>10:00AM-12:30<br>2:00PM-2:30PM   | <ul style="list-style-type: none"><li>• Cloud-Native Applications</li><li>• DevSecOps</li></ul> <p><b>Vote of thanks to Resource Person</b></p> |

  
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NAME OF THE PROGRAM : A Two Week Certificate Program on Recent Trends in Cloud Computing and Virtualization

## STUDENTS LIST

| S.NO | REDG. NO.  | NAME OF THE STUDENT            | YEAR/<br>BRANCH | SIGNATURE            |
|------|------------|--------------------------------|-----------------|----------------------|
| 1    | 20MD1A0501 | ALLADI NAGESWARA RAO           | III - II        | A.N Rao              |
| 2    | 20MD1A0502 | ARETI MOUNIKA                  | III - II        | A. Mounika           |
| 3    | 20MD1A0503 | BASAVA H V V SATYANARAYANA     | III - II        | B.H.V.V<br>Sate      |
| 4    | 20MD1A0504 | BEZAWADA BHUVANA BRAMARAMBICA  | III - II        | B.B Brose            |
| 5    | 20MD1A0505 | BOJJA SATHYA SAI               | III - II        | B. Satya Sai         |
| 6    | 20MD1A0506 | CHALIKI AMRUTHA                | III - II        | Ch. Amrutha          |
| 7    | 20MD1A0507 | CHAPANA PURNA KARTEEK          | III - II        | Ch.purna kartheek    |
| 8    | 20MD1A0508 | CHAMARTHI LAKSHMI MEGHANA      | III - II        | Ch. LAKSHMI MEGHA    |
| 9    | 20MD1A0509 | CHOWTIPALLI SAI SURESH         | III - II        | C.S. Suresh          |
| 10   | 20MD1A0510 | DANDAMUDI SAI HARSHA VARDHAN   | III - II        | D.S. Harshavardhan   |
| 11   | 20MD1A0511 | DANGETI VEERABABU              | III - II        | D. Veerababu         |
| 12   | 20MD1A0512 | DESABATHULA MADHAVI            | III - II        | D. Madhavi           |
| 13   | 20MD1A0513 | ELI MV SAI PAVAN KALYAN        | III - II        | E.M. S.P. Kalyan     |
| 14   | 20MD1A0514 | GANDROTHU VAMSI                | III - II        | G. Vamsi             |
| 15   | 20MD1A0515 | GANTASALA VIKAS KUMAR          | III - II        | G.V. Kumar           |
| 16   | 20MD1A0516 | GEDDAM GIREESHA                | III - II        | G. Gireesha          |
| 17   | 20MD1A0517 | GUTTULA BHANU SAI CHARAN       | III - II        | G.B. Sai Charan      |
| 18   | 20MD1A0518 | KADALI D D SIVA SANTHOSHI      | III - II        | K.D.D.S. Santhoshi   |
| 19   | 20MD1A0519 | KAKARAPARTI RAKESH             | III - II        | K. Rakesh            |
| 20   | 20MD1A0520 | KASANI SITA RAMA RAJU          | III - II        | K. S. R. Raju        |
| 21   | 20MD1A0521 | KAVALA SINDHU                  | III - II        | K. Sindhu            |
| 22   | 20MD1A0522 | KESAMSETTI DEVI                | III - II        | K. Devi              |
| 23   | 20MD1A0523 | KODAMANCHILI MUKESH KUMAR      | III - II        | K. Mukesh Kumar      |
| 24   | 20MD1A0524 | KOMATI SOMESHWARA RAO          | III - II        | K. Someshwara Rao    |
| 25   | 20MD1A0526 | KOTU VNM NARASIMHA KARTHIKEYAN | III - II        | K. V. N. Karthikeyan |



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|    |            |                                 |          |                         |
|----|------------|---------------------------------|----------|-------------------------|
| 26 | 20MD1A0527 | LANJAPALLI MANIKANTA            | III - II | L. Mani Kanta           |
| 27 | 20MD1A0528 | MADDIPATI DEEPIKA               | III - II | M. Deepika              |
| 28 | 20MD1A0529 | MANCHIRAJU RAMANJANEYA SHARMA   | III - II | M.R. Sharma             |
| 29 | 20MD1A0530 | MANE V L SATYA SIREESHA         | III - II | M.V.L SATVA SIREESHA    |
| 30 | 20MD1A0531 | MEDISETTI SATYA SURYA ABHISHEK  | III - II | M. Satya Surya Abhishek |
| 31 | 20MD1A0532 | MOSALI HARIKA RATNAM            | III - II | M. H. Ratnam            |
| 32 | 20MD1A0534 | NALLA MOUNIKA                   | III - II | N. Mounika              |
| 33 | 20MD1A0536 | NELLIPUDI V L D CH PRAVALLIKA   | III - II | N.V.L.D.Ch pravallika   |
| 34 | 20MD1A0537 | NUKALABANTI SIREESHA            | III - II | N. siresha              |
| 35 | 20MD1A0538 | PANANGIPALLI VEDA SAMHITHA      | III - II | P.V. Samhitha           |
| 36 | 20MD1A0539 | PANNURI NAGA SAI TARUN          | III - II | P. N. Sai Tarun         |
| 37 | 20MD1A0540 | PASUPULETI MEENAKSHI            | III - II | P. Meenakshi            |
| 38 | 20MD1A0554 | ALLAKA MANJULA DEVI             | III - II | A. Manjula Devi         |
| 39 | 20MD1A0555 | AYODYULA POORNA SAI             | III - II | A. P. Sai               |
| 40 | 20MD1A0556 | BANDARU CHAITANYA VENKATA SAI   | III - II | A. Poorna Sai           |
| 41 | 20MD1A0557 | BANDARU SAI KUMAR               | III - II | B. S. Kumar             |
| 42 | 20MD1A0558 | BATTINA L M H VIGNESH KUMAR     | III - II | B.L.M.H.V. Kumar        |
| 43 | 20MD1A0560 | BORRA RATNA GIRI SATYA SAI TEJA | III - II | B.R.G.S.S. Teja         |
| 44 | 20MD1A0561 | CHOHAN S V S KARANAM            | III - II | C. S.V.S. Karanam       |
| 45 | 20MD1A0562 | CHUNDRU GOWRI SHANKAR           | III - II | C.G. Shankar            |
| 46 | 20MD1A0563 | DULAM MUNI GANESH               | III - II | D. Muni Ganesh          |
| 47 | 20MD1A0564 | ELLA TEJASWINI                  | III - II | E. Tejaswini            |
| 48 | 20MD1A0569 | KALLEPALLI MARUTHI PRASAD       | III - II | A. Maruthi Prasad       |
| 49 | 20MD1A0570 | KERLA ANIL KUMAR                | III - II | K. A. Kumar             |
| 50 | 20MD1A0571 | KODAVALI SATYA TEJASWI          | III - II | K. S. Tejaswi           |
| 51 | 20MD1A0572 | KOTHA SATYA DATTA GURUMURTHY    | III - II | K.S.D. Gurumurthy       |
| 52 | 20MD1A0573 | KOTHAPALLI HARIKA               | III - II | K. Harika               |
| 53 | 20MD1A0574 | KUDIPUDI MEGHANA                | III - II | K. Meghana              |
| 54 | 20MD1A0575 | LINGALA RAJEEV                  | III - II | L. Rajeev               |



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|    |            |                                |         |                      |
|----|------------|--------------------------------|---------|----------------------|
| 55 | 20MD1A0576 | LOLUGU V.G. SATYA SAMPATH      | III/II  | L.V.G. Satya Sampath |
| 56 | 20MD1A0577 | MADDUKURI JAHNAVI              | III-II  | M. Jahnavi           |
| 57 | 20MD1A0578 | MANDAGADLA DINESH KUMAR        | III/III | M. Dinesh Kumar      |
| 58 | 20MD1A0580 | NALAM SAI GOWTHAM              | II-III  | N. Sai Gowtham       |
| 59 | 20MD1A0595 | SIVALANKA SRI VINAY PRAKASH    | II-II   | S. S. Vinay Prakash  |
| 60 | 20MD1A0596 | SUNKARA VARUN KUMAR            | III-II  | S. Varun Kumar       |
| 61 | 20MD1A0597 | SURAMPUDI ASHITHA              | II-II   | S. Ashitha           |
| 62 | 20MD1A0598 | SURAPUREDDI POOJA              | III-II  | S. Pooja             |
| 63 | 20MD1A0599 | TIRAMSETTI SRI LAKSHMI         | III-II  | T. Sri Lakshmi       |
| 64 | 20MD1A05A1 | VANTAKULA TARUN SAI PRADEEP    | III-II  | V. Tarun Sai Pradeep |
| 65 | 20MD1A05A2 | VATADI NIHARIKA                | III-II  | V. Niharika          |
| 66 | 20MD1A05A3 | VENNELAKANTI SAI BALAJI        | III-II  | V. Sai Balaji        |
| 67 | 20MD1A05A4 | VETCHA RAGAVENDRA RAVI SHANKAR | III-II  | V. R. Ravi Shankar   |
| 68 | 20MD1A0595 | SIVALANKA SRI VINAY PRAKASH    | II-II   | S. S. Vinay Prakash  |
| 69 | 20MD1A0596 | SUNKARA VARUN KUMAR            | III-II  | S. Varun Kumar       |
| 70 | 20MD1A0597 | SURAMPUDI ASHITHA              | II-II   | S. Ashitha           |

H. Asha  
Principal  
Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajahmundry-533 107  
E.G. Dist., (A.P)











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|    |            |                                |   |   |   |   |   |   |   |   |   |   |   |   |
|----|------------|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 20MD1A05A2 | VATADI NIHARIKA                | P | A | P | P | P | P | P | P | P | P | P | P |
| 66 | 20MD1A05A3 | VENNELAKANTI SAI BALAJI        | P | P | P | P | P | P | P | P | P | P | P | P |
| 67 | 20MD1A05A4 | VETCHA RAGAVENDRA RAVI SHANKAR | P | P | P | P | P | P | P | P | P | P | P | P |
| 68 | 20MD1A0595 | SIVALANKA SRI VINAY PRAKASH    | P | P | P | P | P | P | P | P | P | P | P | P |
| 69 | 20MD1A0596 | SUNKARA VARUN KUMAR            | P | P | P | P | P | P | P | P | P | P | P | P |
| 70 | 20MD1A0597 | SURAMPUDI ASHITHA              | P | P | P | P | P | P | P | P | P | P | P | P |

H. Lakshmi  
Principal

Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajahmundry-533 107  
E.G. Dist., (A.P)



Date: 28-12-2022

### PROGRAM REPORT

Name and Title of the Program: **“An Add-on Two-Week Certificate Program on Recent Trends in Cloud Computing and Virtualization”**

**Date of Duration:** 12-12-2022 to 24-12-2022

#### **Objective of the Program:**

1. Identify forms of cloud computing.
2. Differentiate the types of virtual machines.
3. Identify models of virtual desktop infrastructure (VDI).
4. Describe the vulnerabilities associated with virtual machine hosting.
5. List best practices for increasing cloud services security.

#### **Out Come of the Program:**

- 1. Current Industry Knowledge:** Participants will have a comprehensive understanding of the most recent trends, technologies, and innovations in cloud computing and virtualization.
- 2. Competence in Cloud Fundamentals:** Participants will be well-versed in the fundamental concepts of cloud computing, including service models and deployment options.
- 3. Virtualization Proficiency:** Participants will have the skills to work with various virtualization technologies, such as virtual machines and containers.
- 4. Cloud Provider Expertise:** Participants will be capable of effectively utilizing major cloud service providers and their services.
- 5. Enhanced Cloud Security Awareness:** Participants will be equipped with the knowledge and best practices to ensure the security of data and applications in a cloud environment.
- 6. Hybrid and Multicloud Competency:** Participants will understand and be able to implement strategies for managing hybrid and multicloud environments.



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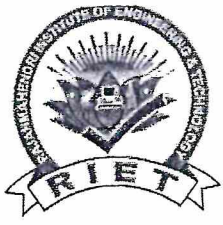
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7. **DevOps and Cloud Integration:** Participants will have the ability to apply DevOps principles and practices in cloud-related projects.
8. **Proficiency in Microservices and Cloud-native Development:** Participants will be capable of designing and building cloud-native applications and adopting microservices architecture.
9. **Big Data and Analytics Utilization:** Participants will be able to harness cloud resources for data storage, processing, and analytics purposes.
10. **AI and ML Integration Skills:** Participants will have the knowledge and skills to leverage cloud-based AI and ML services for various applications.

**No. of Participants:70**



**RESOURCE PERSON PROFILE**

**Name of the Certification program:** A Two-Week Certificate Program on “Recent Trends in Cloud Computing and Virtualization”



**Name of the Resource Person: Mr. P. Rama Krishna**

With six years of experience in Computer Science and Engineering (CSE), Mr. P. Rama Krishna stands out as a dedicated faculty member. During his M.Tech, he contributed significantly by publishing a paper in the International Journal of Technology and Engineering Science (IJTES), showcasing his commitment to advancing knowledge. Possessing strong programming skills, Mr. P. Rama Krishna brings a valuable blend of academic excellence and practical insights to the classroom. His proactive engagement with the latest advancements in CSE solidifies his position as a standout faculty member in the field.

  
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Co-ordinator



**R AJAMA HENDRI**

**INSTITUTE OF ENGINEERING & TECHNOLOGY**

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W: [www.rietrijy.co.in](http://www.rietrijy.co.in)

P: +919121214413



## *Participation Certificate*

This is to certify that

Mr./Mrs./Ms.

CHAPANA PURNA KARTHIK

has participated in

**A Two-Week Certificate Program on "Recent Trends in Cloud Computing and Virtualization"**

**12-12-2022 to 24-12-2022**

Dr. R. Rambabu

HOD, Dep. Of. CSE

Dr. M. Muralikrishna

Principal

  
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P: +919121214413



## *Participation Certificate*

This is to certify that

Mr./Mrs./Ms.

          NAILA          MOUNIKA          

has participated in

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Website: www.rietry.co.in

Ph: +91 91212 14413



Date: 27-11-2022

### CIRCULAR

It is here by informed to all IV<sup>th</sup> B.Tech. II-Sem Mechanical Engineering that our college conducting A Two-Week Add-on Program on "Welding Technology" from 12-12-22 to 24-12-22. All the students give their names to the coordinator listed below on or before 08<sup>th</sup> December 2022. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Co-ordinator: Mr. K Sri Rama Kumar, Dept. of Mech, RIET

Principal

(Dr M. Murali Krishna)

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Copy to : Library

| BRANCH                         | CSE      |                |       |              | MECH    | ECE       | EEE | S&H |
|--------------------------------|----------|----------------|-------|--------------|---------|-----------|-----|-----|
|                                | CSE A    | CSE B          | AI&ML | DS           |         |           |     |     |
| B.Tech<br>1 <sup>st</sup> year |          |                |       |              | -       |           | -   |     |
| B.Tech<br>2 <sup>nd</sup> year |          |                | -     | -            |         |           |     |     |
| B.Tech<br>3 <sup>rd</sup> year |          |                | -     | -            | Ky      |           |     |     |
| B.Tech<br>4 <sup>th</sup> year |          |                | -     | -            |         |           |     |     |
| All HODs                       |          |                |       |              |         |           |     |     |
| IQAC                           | Accounts | Placement Cell |       | Exam Section | Library | Transport |     |     |
|                                |          |                |       |              |         |           |     |     |



## Organizing Committee

### Chief Patron

**Shri. A.V.V. Satyanarayana**

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

**Sri. T.V.L. Narasimha Rao**

Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. M.M. Krishna**

Head of the Department  
Department of Mechanical Engineering  
Email id: [mmkrishna11@gmail.com](mailto:mmkrishna11@gmail.com)

### Coordinator

**Mr. K. Sri Rama Kumar**

Assistant Professor  
Department of Mechanical Engineering  
Mobile No: +91 7556856995  
Email id: [ramkumar65@gmail.com](mailto:ramkumar65@gmail.com)


## A Two-Week Certificate Program on “WELDING TECHNOLOGY”

### REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:

7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:  
Station:

  
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HOD



## A Two-Week Certificate Program on “WELDING TECHNOLOGY”

*Schedule:*

12/12/2022 to 24/12/2022

Venue: Seminar Hall



Organized  
by  
Department of  
MECHANICAL ENGINEERING  
**RAJAMAHENDRI**  
INSTITUTE OF ENGINEERING &  
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AP, 533107.

## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as "RIET" was established in the year 2008 in Rajahmundry by "The Swarnandhra Educational Society" pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in advanced

technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes



## About the Department

The Department of Mechanical Engineering . At present, the department offers Graduate degree . Mechanical Engineering Department is highly reputed for producing eminent engineers Mechanical Engineering Department is highly reputed for producing eminent engineers as professionals, researchers and entrepreneurs. Department has strong industry The Department has well-equipped laboratories such as pneumatics and hydraulic, Refrigeration and Air Conditioning, hydraulics Machinery, Theory of machines, thermal engg Lab, heat transfer lab, metrology, mettargy machine tool lab. Engineering work shop , production technology lab. Instrumentation and measurements lab. Many of its alumni occupy key positions in industries and institutions in India and abroad. The department is proud to be collaborated with well-known industries in niche areas.

## About the Program



Welding is the process of using some form of heat energy to join metal parts. One type of welding, arc welding, uses an electrical current to weld objects. This method is less accurate but is more cost effective. Laser welding, as the name suggests, uses laser energy to weld. is far more accurate but also more costly to the user.

## Topics to be Covered

- Types of Welding
- Applications of Welding Technology
- Recent Developments on Welding Technology
- Welding Technology in Advanced Materials
- Advantages and Dis-Advantages of Welding Technology

## Resource Person

**Dr. M. Murali Krishna**

Principal,

RIET

Mobile no. : +91 9492920235

Email id : [principal@rietry.co.in](mailto:principal@rietry.co.in)





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Date: 08/12/2022

### PROGRAM SCHEDULE

Program Schedule for A Two-Week Add-on Program on “Welding Technology”

| Duration  | Program  |
|---|--|
| <b>Day1:</b> 12/12/2022<br>10:00AM-12:40<br>1:30PM-3:30PM   | <ul style="list-style-type: none"><li>• Introduction to the Welding Technology</li><li>• History of welding technology</li><li>• Advanced welding technology</li></ul> |
| <b>Day2:</b> 13/12/2022<br>10:00AM-12:40<br>1:30PM-3:30PM   | <ul style="list-style-type: none"><li>• Types of welding technology</li><li>• General applications</li><li>• Welding technology in aero space</li></ul>                |
| <b>Day3:</b> 14/12/2022<br>10:00AM-12:40<br>1:30PM-3:30PM   | <ul style="list-style-type: none"><li>• Gas welding</li><li>• Electrical arc welding</li></ul>   |
| <b>Day4:</b> 15/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM   | <ul style="list-style-type: none"><li>• Resistance welding</li><li>• Miscellaneous welding process</li></ul>   |
| <b>Day5:</b> 16/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM   | <ul style="list-style-type: none"><li>• Liquid solid state bonding</li></ul>   |
| <b>Day6:</b> 17/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM   | <ul style="list-style-type: none"><li>• weldability</li></ul>  |
| <b>Day7:</b> : 19/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Types of welded joints</li><li>• Testing of welded joints</li></ul>  |



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|   |   |
|---|---|
| <b>Day8 :</b> 20/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM  | <ul style="list-style-type: none"><li>• Advanced inspection in welding technology</li></ul>     |
| <b>Day9 :</b> 21/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM  | <ul style="list-style-type: none"><li>• Hard facing of metals</li></ul>                         |
| <b>Day10 :</b> 22/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• Computer aided design in welding technology</li></ul>   |
| <b>Day11 :</b> 23/12/2022<br>10:00AM-12:30<br>1:30PM-3:30PM | <ul style="list-style-type: none"><li>• . Characteristics of welding process</li></ul>          |
| <b>Day12:</b> 24/12/2022<br>10:00AM-12:30<br>1:30PM-3:00PM  | <ul style="list-style-type: none"><li>• . Applications, advantages and dis advantages</li></ul> |

  
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### NAME OF THE PROGRAM: A TWO WEEK CERTIFICATE PROGRAM ON WELDING TECHNOLOGY STUDENTS LIST

| S.NO | REDG. NO.  | NAME OF THE STUDENT            | YEAR BRANCH | SIGNATURE           |
|------|------------|--------------------------------|-------------|---------------------|
| 1    | 19MD1A0301 | AVIDI JYOTHI DURGA PRASAD      | IV - I      | A.J. Jyothi Prasad  |
| 2    | 19MD1A0302 | BERI SATYA SAINATH             | IV - I      | B. Satya Sainath    |
| 3    | 19MD1A0303 | BOYIDI R C A VENKATESH         | IV - I      | B. R. C A Venkatesh |
| 4    | 19MD1A0304 | ELURI SAI BABU                 | IV - I      | E. Sai babu         |
| 5    | 19MD1A0305 | KODA TARUN                     | IV - I      | K. Tarun            |
| 6    | 19MD1A0306 | KOTHAPALLI MAHESH              | IV - I      | K. MAHESH           |
| 7    | 19MD1A0307 | KOTIPALLI DEVA KIRAN           | IV - I      | K.D. Kiran          |
| 8    | 19MD1A0308 | MAMIDI KRUPAVARAM              | IV - I      | M. Krupavaram       |
| 9    | 19MD1A0309 | NIMMALAPUDI VISWESH            | IV - I      | N. V. Swesh         |
| 10   | 19MD1A0310 | TAILAM TRINADH V V PRAMOD      | IV - I      | T. Pramod           |
| 11   | 19MD1A0311 | TETALA VENKATA SIVA REDDY      | IV - I      | T. Siva Reddy       |
| 12   | 19MD1A0312 | AVIDI BALA SUBRAHMANYAM        | IV - I      | A. Subrahmanyam     |
| 13   | 21MD5A0301 | KAVULURI VIVEKANANDA           | III - I     | K. Vivekananda      |
| 14   | 21MD5A0302 | KOTAPADU SHYAM SUNDAR SAI      | III - I     | K.S.S. Sai          |
| 15   | 21MD5A0303 | LANKA VIVEK                    | III - I     | L. VIVEK            |
| 16   | 21MD5A0304 | MARGANI MURALI                 | III - I     | M. Murali           |
| 17   | 21MD5A0305 | MOKKA B SRINIVASA REDDY        | III - I     | M. Srinivas Reddy   |
| 18   | 21MD5A0306 | MUNGANDI MOHAN KRISHNA         | III - I     | M. M. Krishna       |
| 19   | 21MD5A0307 | PALISSETY SAI NAGAMANI KISHORE | III - I     | P. KISHORE          |
| 20   | 21MD5A0308 | SANAGALA SRINIVASA RAO         | III - I     | S. S. Rao           |

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### DAY WISE ATTENDANCE SHEET

#### NAME OF THE PROGRAM : A TWO WEEK CERTIFICATE PROGRAM ON WELDING TECHNOLOGY

| S.NO. | Regd.No.   | Name of the student         | 12/12 | 13/12 | 14/12 | 15/12 | 16/12 | 17/12 | 19/12 | 20/12 | 21/12 | 22/12 | 23/12 | 24/12 |
|-------|------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 19MD1A0301 | AVIDI JYOTHI DURGA PRASAD   | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 2     | 19MD1A0302 | BERI SATYA SAINATH          | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 3     | 19MD1A0303 | BOYIDI R C A VENKATESH      | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 4     | 19MD1A0304 | ELURI SAI BABU              | P     | P     | P     | P     | P     | P     | P     | P     | P     | A     | P     | P     |
| 5     | 19MD1A0305 | KODA TARUN                  | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 6     | 19MD1A0306 | KOTHAPALLI MAHESH           | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 7     | 19MD1A0307 | KOTIPALLI DEVA KIRAN        | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 8     | 19MD1A0308 | MAMIDI KRUPAVARAM           | P     | P     | P     | A     | P     | P     | P     | P     | P     | P     | P     | P     |
| 9     | 19MD1A0309 | NIMMALAPUDI VISWESH         | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 10    | 19MD1A0310 | TAILAM TRINADH V V PRAMOD   | P     | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | P     |
| 11    | 19MD1A0311 | TETALA VENKATA SIVA REDDY   | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 12    | 19MD1A0312 | AVIDI BALA SUBRAHMANYAM     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 13    | 21MD5A0301 | KAVULURI VIVEKANANDA        | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 14    | 21MD5A0302 | KOTAPADU SHYAM SUNDAR SAI   | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 15    | 21MD5A0303 | LANKA VIVEK                 | P     | P     | P     | P     | P     | A     | P     | P     | P     | P     | A     | P     |
| 16    | 21MD5A0304 | MARGANI MURALI              | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 17    | 21MD5A0305 | MOKKA B SRINIVASA REDDY     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 18    | 21MD5A0306 | MUNGANDI MOHAN KRISHNA      | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 19    | 21MD5A0307 | PALISSETTY NAGAMANI KISHORE | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |
| 20    | 21MD5A0308 | SANAGALA SRINIVASA RAO      | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     | P     |

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Date: 26-12-2022

### Program Report

Name of the Event: A Two-Week Add-on Program on “Welding Technology”

Date / Duration: 12/12/22 to 24/12/22, 10:00 AM to 5:00 P.M.

#### **Objective of the event:**

- Apply knowledge of industrial safety standards to both field and factory environments.
- Apply knowledge, techniques and skills of an entry-level welder using common welding processes from various levels of automation and sources of energy while distinguishing between the different types of welding power source technology and their characteristics, uses, and limitations.
- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the welding discipline.
- Conduct visual, destructive, and non-destructive testing methods in order to determine weld integrity and physical and mechanical properties of metals as related to weldability, while ensuring conformance to industry established codes and customer requirements.
- Design solutions for well-defined technical problems and assist the engineering design of systems, components, or processes appropriate to the welding discipline.

#### **Outcome of the event:**

After attending the certificate program students will be able to

- Build skills toward industry standards.
- Build skills toward state and national welding certifications\*.
- Work as an effective and dependable team member as well as independently.
- Demonstrate safe work habits that reflect concern and care for self, others and the environment.
- Develop the skills necessary to secure employment.

**Number of students attended: 20**



# RAJAMAHENDRI

## INSTITUTE OF ENGINEERING & TECHNOLOGY

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BHOOPALAPATNAM, RAJAMAHENDRAVARAM, E.G. Dist., AP, 533107.

eMail: office@rietrjy.co.in Website: www.rietrjy.co.in Ph: +91 91212 14413



### RESOURCE PERSON PROFILE

Name of the Resource Person: Dr. M Murali Krishna



Dr. M Murali Krishna is the principal of esteemed Rajamahendri Institute of Engineering and Technology, Rajamahandravaram. He is a well known Professor in Mechanical Engineering, Having more than 25 years of experience in teaching and industry. He worked in IT industry for IBM, Bangalore and Virizon Business, Ashburn, Virginia, USA. Also, He has around 20 years of teaching experience in various reputed Engineering Colleges. He has been worked as a principal from last 10 years. He is a specialist who can work individually or as a team member. He has great skill in organizing things right from the scratch. He is a good motivator and will definitely an asset to any organization in which he is employed. He is visionary leader to manage educational transformation in the institution.

*Ky*  
CO-ORDINATOR

*[Signature]*  
PRINCIPAL  
RAJAMAHENDRI  
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E: [office@rietry.co.in](mailto:office@rietry.co.in)

W: [www.rietry.co.in](http://www.rietry.co.in)

P: +91 9121214413

## Participation Certificate

This is to certify that

Mr./Mrs./Ms. E. Sai Babu

has participated in

A Two Week Certificate Program On "WELDING TECHNOLOGY"

12/12/2022 to 24/12/2022

Mr. M. M. KRISHNA  
HOD, Dept. of. MECH

Dr. M. Murali Krishna  
Principal

  
PRINCIPAL  
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P: +91 9121214413

## Participation Certificate

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has participated in

A Two Week Certificate Program On "WELDING TECHNOLOGY"

12/12/2022 to 24/12/2022

Mk

Mr. M. M. KRISHNA  
HOD, Dept. of. MECH

M. Murali Krishna

Dr. M. Murali Krishna  
Principal

Dr  
PRINCIPAL  
RAJAMAHENDRI  
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Date: 17-01-2023

### CIRCULAR

It is here by informed to all II B.Tech II-Sem EEE that is our college conducting "A Two Week Certificate Program on Python Programming on 23<sup>rd</sup> January 2023 to 4<sup>th</sup> February 2023. All the students give their names to coordinator listed below on or before 21<sup>th</sup> January 2023. Hence all the students here by informed to attend the classes without fail.

Venue: LH-309, RIET

Co-ordinator: Ch. Suresh Kumar Dept. of EEE

  
PRINCIPAL

(Dr M. Murali Krishna)

**Principal**




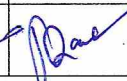
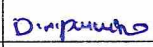







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E.G. Dist., (A.P)**

Copy to : Secretary

Copy to : All HODs for circulation to Staff

Copy to : Admin. Office

Copy to : Library

| BRANCH  | CSE   |   |       |   | MECH  | ECE   | EEE   | S&H   |
|---|---|---|-------|---|---|---|---|---|
|   | CSE A   | CSE B   | AI&ML | DS  |   |   |   |   |
| B.Tech<br>1 <sup>st</sup> year  |   |   |       |   |   |   |   |   |
| B.Tech<br>2 <sup>nd</sup> year  |   |   | -     | -   |   |   |   |   |
| B.Tech<br>3 <sup>rd</sup> year  |   |   | -     | -   |   |   |   |   |
| B.Tech<br>4 <sup>th</sup> year  |   |   | -     | -   |   |   |   |   |
| All HODs  |  |   |       |   |    |   |  |  |
| IQAC  | Accounts  | Placement Cell  |       | Exam Section  | Library   | Transport   |   |   |
|  |  |  |       |  |  |  |   |  |

## Organizing Committee

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Chairman, Swarnandhra Educational Society

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Secretary & Correspondent, Swarnandhra Educational Society

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Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. P.D. Srinivas**

Head of the Department,  
Department of Electrical and Electronics  
Engineering

Email id: [durgasrinivasperuri@gmail.com](mailto:durgasrinivasperuri@gmail.com)

### Coordinator

**Mr. Ch. Suresh Kumar**

Assistant Professor,  
Department of Electrical and Electronics  
Engineering

Mobile No: +91 9000595867

Email id: [suresh11202@gmail.com](mailto:suresh11202@gmail.com)

## A Two-Week Certificate Program on

# “PYTHON”

## REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:
7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:

Station:

  
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RAJAMAHENDRAVARAM-533 107. E.G.Dist.

HOD



## A Two-Week Certificate Program on

# “PYTHON”

Date:

**23/01/2023 to 04/02/2023**

Venue: LH-309, RIET



Organized

by

Department of

Electrical and Electronics Engineering

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AP, 533107.

## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as "RIET" was established in the year 2008 in Rajahmundry by "The Swarnandhra Educational Society" pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in

advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.

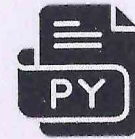


## About the Department

The Department of Electrical Engineering is one of the oldest departments of Engineering. Established as one of the major departments of the Institute, the Department of Electrical Engineering has been actively engaged in teaching and research in diverse fields of Electrical Engineering. With excellent faculty, the Department of Electrical Engineering offers undergraduate (B.Tech). The department can boast about 10 well equipped labs, latest simulation and design software, excellent staff-student ratio who are continuously engaged in teaching-learning process.

One batch have successfully completed their degree and are placed as well. The dept keen on developing consultancy services and welcomes funding research from outside agencies. We look at the potential contribution that our staff and students can make towards this aspect and strengthen the department further.

## About the Program



This certificate program provides knowledge to students for Variables, data types, strings, operators, lists, tuples, sets, dictionary functions, arrays, classes/objects in Python. After attending the certificate program students will be able to Use if-else statements and switch-statements to write programs in python to tackle any decision-making scenario Master object-oriented programming to create an entire python project using objects and classes. Store and retrieve information using variables.

## Topics to be Covered

- ◇ Introduction to python
- ◇ Python data types
- ◇ Logical and Arithmetic Operations
- ◇ Working with User Inputs

## Resource Person

**Mrs. G. Swarna Latha**

Associate Professor,

Mobile No: +91 9440894420

Email id: [dasariswarnaprasad@gmail.com](mailto:dasariswarnaprasad@gmail.com)





Date: 21/01/2023.

Program Schedule for “A Two-Week Add-on Programs on Python Programming”

| Duration  | Program                             |
|---|-------------------------------------|
| <b>Day1: 23/01/2023</b><br><br>10:00AM-12:40<br><br>1:30PM-3:30PM | Introduction to Python              |
| <b>Day2: 24/01/2023</b><br><br>10:00AM-12:40<br><br>1:30PM-3:30PM | Python Data Types                   |
| <b>Day3: 25/01/2023</b><br><br>10:00AM-12:40<br><br>1:30PM-3:30PM | Logical and Arithmetic<br>Operators |
| <b>Day4: 27/01/2023</b><br><br>10:00AM-12:30<br><br>1:30PM-3:30PM | Python OOPs Concepts.               |
| <b>Day5: 28/01/2023</b><br><br>10:00AM-12:30<br><br>1:30PM-3:30PM | Python Classes and Objects.         |
| <b>Day6: 30/01/2023</b><br><br>10:00AM-12:30<br><br>1:30PM-3:30PM | Constructors in Python.             |
| <b>Day7: 31/01/2023</b>   | Destructors in Python.              |



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|  |                              |
|--|------------------------------|
| 10:00AM-12:30<br>1:30PM-3:30PM                             |                              |
| <b>Day8: 01/02/2023</b><br>10:00AM-12:30<br>1:30PM-3:30PM  | Inheritance in Python.       |
| <b>Day9: 02/02/2023</b><br>10:00AM-12:30<br>1:30PM-3:30PM  | Types of inheritance Python. |
| <b>Day10: 03/02/2023</b><br>10:00AM-12:30<br>1:30PM-3:30PM | Encapsulation in Python      |
| <b>Day11: 04/02/2023</b><br>10:00AM-12:30<br>2:00PM-3:45PM | Polymorphism in Python.      |

  
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### DAY WISE ATTENDANCE SHEET

#### NAME OF THE PROGRAM : A TWO WEEK ADD ON PROGRAM ON PYTHON PROGRAMMING

| S.NO. | Regd.No.   | Name of the student           | 23/1 | 24/1 | 25/1 | 27/1 | 28/1 | 30/1 | 31/1 | 1/2 | 2/2 | 3/2 | 4/2 |
|-------|------------|-------------------------------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 1     | 22MD5A0201 | DASU LAVANYA                  | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 2     | 22MD5A0202 | GANDI ANIL KUMAR              | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 3     | 22MD5A0203 | GOKEDA GOWRI VENKATA PRASAD   | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 4     | 22MD5A0204 | GUTTULA VENKATA MOHAN         | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 5     | 22MD5A0205 | JAVVADI HARISH BABU           | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 6     | 22MD5A0206 | KALLAKURI NAGALAKSHMI         | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 7     | 22MD5A0207 | KODURI SATYA VENKAT           | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 8     | 22MD5A0208 | MATTEY LOKESH S S NAGA ADITYA | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 9     | 22MD5A0210 | NAKKULLU APPALARAJU           | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 10    | 22MD5A0211 | NAMAGIRI RAVI TEJA            | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 11    | 22MD5A0212 | PONNAGANTI VAMSI KRISHNA      | P    | P    | P    | P    | P    | P    | A    | P   | P   | P   | P   |
| 12    | 22MD5A0213 | REDDI MOHAN                   | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 13    | 22MD5A0214 | SHAIK SULTAN AHAMED           | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 14    | 22MD5A0215 | VENNA NAGENDRA                | P    | P    | P    | P    | P    | P    | P    | P   | P   | A   | P   |
| 15    | 22MD5A0216 | YELUGUBANTI CHAKRADHAR        | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |
| 16    | 22MD5A0217 | MUCHCHA S V V NAGA SAIKUMAR   | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   |

H. Lakshmi  
Principal

Rajamahendri Institute of Engineering & Technology  
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eMail: office@rietrajy.co.in Website: www.rietrajy.co.in Ph: +91 91212 14413



Date: 10-02-2023

### Program Report

**Name of the Event:** Two-Week Add-on Programs on Python Programming

**Date / Duration:** 23/01/2023 to 04/02/2023, 10:00 AM to 5:00 P.M.

**Resource Person:** Mrs. G. SWARNA LATHA,  
Associate Professor,  
Dept.of CSE  
RIET, Rajahmundry

**Name of Coordinator:** Mr. CH Suresh Kumar  
Assistant Professor, EEE

**Number of students attended:** 16

#### **Objective of the event:**

- This certificate program provides knowledge to students for understanding the Variables, data types, strings, operators, lists, tuples, sets, dictionaries, functions, arrays, classes/objects in Python.

#### **Topics Covered:**

- Introduction to Python
- Python Data Types
- Logical and Arithmetic Operators
- Working with Users Inputs



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### Outcomes of the event:

After attending the certificate program students will be able to

- Use if-else statements and switch-case statements to write programs in python to tackle any decision-making scenario
- Master object-oriented programming to create an entire python project using objects and classes.
- Store and retrieve information using variables



### RESOURCE PERSON PROFILE

**Name of the Certificate Program: “Two-Week Add-on Programs on Python Programming”**



**Name of the Resource Person: G. Swarna Latha**

G. Swarna Latha, is working as Associate Professor in the department of CSE, Rajamahendri Institute of Engineering & Technology, Rajamahendravaram. She completed M.Tech., (CSE) from GIET affiliated to JNTUK Kakinada in 2009. She has Fourteen Years of academic experience in various institutions.

Before M. Tech., she had earned Bachelor of Engineering in Computer Science and Engineering from SVH College of Engineering, Machilipatnam (Affiliated to Nagarjuna University) in 2002.

G. Swarna Latha has interests include Data Mining, Data Base Management Systems, Cloud Computing and Data Structures. She has published many papers in national and international journals.

She guided various projects for both B.Tech students conducted seminars and workshops. Visited various colleges for PG final year projects adjudication.

  
CO-ORDINATOR

  
PRINCIPAL  
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RAJAMAHENDRAVARAM-533107, E.G. Dist.



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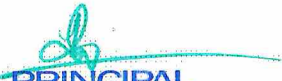
Mr./Mrs./Ms.

*Reddi Mohan*

has participated in

*A Two-Week Programs On "Python Programming"*

23/01/2023 to 04/02/2023

  
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RAJAMAHENDRAVARAM-533 107. E.G. Dist.**

*P. D. Srinivas*  
Mr. P. D. Srinivas

HOD, Dept. of. EEE

*M. Murali Krishna*  
Dr. M. Murali Krishna

Principal



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W: [www.rietrijy.co.in](http://www.rietrijy.co.in)

P: +919121214413



**Participation Certificate**

This is to certify that

Mr./Mrs./Ms.

*Dasu. Lakshmya*

has participated in

*A Two-Week Programs On "Python Programming"*

23/01/2023 to 04/02/2023

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*P. D. Srinivas*

Mr. P. D. Srinivas

HOD, Dept. of. EEE

*M. Murali Krishna*

Dr. M. Murali Krishna

Principal



## Organizing Committee

### Chief Patron

**Shri. A.V.V. Satyanarayana**

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

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Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Dr. R. Rambabu Reddy**

Head of the Department,  
Department of Computer Science and Engineering,

Email id: [csc.hod@rietrijy.co.in](mailto:csc.hod@rietrijy.co.in)

### Co-ordinator

**Mr. Ch. Gopi**

Assistant Professor,  
Department of Computer Science and Engineering

Mobile No: +91 817930091

Email id: [chindada.gopi@gmail.com](mailto:chindada.gopi@gmail.com)

## A Two-Week Certificate Program on

# “AWS Fast-Track”

## REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:
7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:

Station:

  
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INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALPATNAM.  
RAJAMAHENDRAVARAM 533 107. E.G. Dist.

HOD



## A Two-Week Certificate Program on

# “AWS Fast-Track”

### Schedule:

13-02-2023 to 28- 02-2023

Venue: Seminar Hall



Organized  
by  
Department of  
Computer Science and Engineering

**RAJAMAHENDRI**  
INSTITUTE OF ENGINEERING &  
TECHNOLOGY

Approved by AICTE, New Delhi Affiliated  
by JNTUK and Accredited by NAAC  
Bhoopalapatnam, RAJAMAHENDRAVARAM,  
AP, 533107.



## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as "RIET" was established in the year 2008 in Rajahmundry by "The Swarnandhra Educational Society" pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in

advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



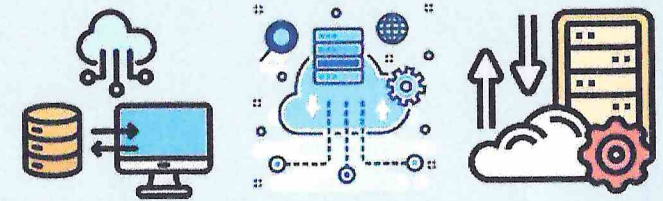
## About the Department

The Computer Science and Engineering department was established in the year 2008 with initial intake of 60 seats, increased to 120 in the year 2010. The Department of Computer Science and Engineering has a mission to empower every student to be industrious, creative and quality conscious in the field of Information Technology by imparting quality technical education and inculcating human and ethical values. The faculty members are highly qualified and experienced with specialization in Machine Learning, Data Science, Networking, Algorithms, Data Mining, Image Processing, Software Engineering, Network Security, Computer Vision, Web Technologies, Internet of Things, Cloud Computing Services etc.

Students are given proper exposure to current trends including IOT applications design and development, Cisco network management and administration, cloud services, bio-informatics, software architecture, sensor networks, cloud computing, mobile computing, soft computing,

block chain technology, and artificial intelligence etc. through workshops, guest lectures, seminars by industry experts and professionals.

## About the Program



Amazon Web Services (AWS) is a leading cloud computing platform offered by Amazon.com. It provides a wide range of cloud services, including computing power, storage, databases, machine learning, and more. AWS offers global infrastructure with high availability and scalability, allowing users to pay only for the resources they use. It's known for its security and compliance features and has a significant impact on the way businesses and individuals access and utilize IT resources.

## Resource Person

**Mrs. G. Haritha Devi**

Assistant Professor,  
Department of Computer  
Science and Engineering

Mobile No: +91 7989208792

Email id: [honey1285@gmail.com](mailto:honey1285@gmail.com)





Date: 09-02-2023

Program Schedule for “A Two-Week Certificate Program on AWS Fast-Track”

| Duration   | Program  |
|--|--|
| <b>Day1:</b> 13-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM | <b>Introduction to Cloud Computing:</b> <ul style="list-style-type: none"><li>• Overview of AWS Services</li><li>• Benefits and Use Cases of AWS</li><li>• AWS Global Infrastructure</li><li>• Setting Up an AWS Account</li><li>• AWS Identity and Access Management (IAM)</li></ul>                |
| <b>Day2:</b> 14-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM | <b>Compute Services - Amazon EC2</b> <ul style="list-style-type: none"><li>• Amazon EC2 Basics</li><li>• EC2 Instance Types and Pricing</li><li>• EC2 Security Groups and Key Pairs</li><li>• Launching and Managing EC2 Instances</li><li>• Scaling EC2 Instances</li></ul>                         |
| <b>Day3:</b> 15-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM | <b>Compute Services - Serverless Computing:</b> <ul style="list-style-type: none"><li>• Introduction to Serverless Computing</li><li>• AWS Lambda Overview</li><li>• Writing Lambda Functions</li><li>• API Gateway and Creating RESTful APIs</li></ul>  |
| <b>Day4:</b> 16-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM | <b>Storage Services - Amazon S3 and EBS:</b> <ul style="list-style-type: none"><li>• Introduction to Serverless Computing</li><li>• AWS Lambda Overview</li><li>• Writing Lambda Functions</li><li>• API Gateway and Creating RESTful APIs</li></ul>   |
| <b>Day5:</b> 17-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM | <b>Database Services - Amazon RDS and DynamoDB:</b> <ul style="list-style-type: none"><li>• Amazon RDS (Relational Database Service)</li><li>• RDS Engines (e.g., MySQL, PostgreSQL)</li><li>• Creating and Managing RDS Instances</li><li>• Amazon DynamoDB</li><li>• NoSQL Data Modeling</li></ul> |
| <b>Day6:</b> 20-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM | <b>Networking and Security - VPC and Security:</b> <ul style="list-style-type: none"><li>• Amazon VPC (Virtual Private Cloud)</li><li>• Subnets, Route Tables, and Security Groups</li><li>• AWS Security Best Practices</li><li>• AWS Identity and Access Management (IAM) Policies</li></ul>       |



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|   |  |
|---|--|
| <b>Day7:</b> 21-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM                        | <b>Networking and Security - Advanced Topics</b> <ul style="list-style-type: none"><li>• AWS Direct Connect</li><li>• VPC Peering and Transit Gateway</li><li>• AWS Web Application Firewall (WAF)</li><li>• Security Incident Response in AWS</li></ul>                 |
| <b>Day8:</b> 22-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM                        | <b>Additional AWS Services - Elastic Beanstalk and ECS</b> <ul style="list-style-type: none"><li>• AWS Elastic Beanstalk</li><li>• Deploying Web Applications</li><li>• Amazon ECS (Elastic Container Service)</li><li>• Container Orchestration with ECS</li></ul>      |
| <b>Day9:</b> 23-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM                        | <b>Advanced Compute Services - EC2 Auto Scaling and Load Balancing:</b> <ul style="list-style-type: none"><li>• EC2 Auto Scaling</li><li>• Launch Configurations and Scaling Policies</li><li>• Elastic Load Balancing (ELB)</li><li>• Types of Load Balancers</li></ul> |
| <b>Day10:</b> 24-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM                       | <b>Advanced Storage Services - Amazon EFS and Glacier:</b> <ul style="list-style-type: none"><li>• Amazon EFS (Elastic File System)</li><li>• NFS File Shares and Mounting EFS</li><li>• Amazon Glacier and Data Archiving</li><li>• Data Lifecycle Policies</li></ul>   |
| <b>Day11:</b> 25-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM                       | <b>DevOps and AWS - CodeCommit and CodeDeploy :</b> <ul style="list-style-type: none"><li>• AWS CodeCommit</li><li>• CodeCommit Repositories and Branches</li><li>• AWS CodeDeploy</li><li>• Deploying Applications with CodeDeploy</li></ul>                            |
| <b>Day12:</b> 27-02-2023<br>9:30AM-12:30PM<br>1:30PM-4:00PM                       | <b>Serverless Application Development</b> <ul style="list-style-type: none"><li>• AWS Step Functions Overview</li><li>• Building Serverless Workflows</li><li>• Serverless Application Best Practices</li><li>• Application Monitoring and Debugging</li></ul>           |
| <b>Day13:</b> 28-02-2023<br>9:30AM-12:30PM<br>1:30PM-2:30:00PM<br>03:00PM-04:00PM | <b>Monitoring, Logging, and Analytics :</b> <ul style="list-style-type: none"><li>• Amazon CloudWatch</li><li>• Monitoring EC2 Instances and Lambda Functions</li><li>• AWS CloudTrail</li><li>• Centralized Logging with AWS</li></ul>                                  |

**PRINCIPAL**  
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NAME OF THE PROGRAM : A Two Week Certificate Program on AWS Fast Track Program

### STUDENTS LIST

| S.NO | REDG. NO.  | NAME OF THE STUDENT                    | YEAR/<br>BRANCH | SIGNATURE           |
|------|------------|--|-----------------|---------------------|
| 1    | 21MD1A0501 | ACHANTA NUTHANA LOKESH                 | II-II           | A. nuthana lokesh   |
| 2    | 21MD1A0502 | AINAVILLI SATYA VENI                   | II-II           | A. Satya veni       |
| 3    | 21MD1A0503 | ALLAM VIJAYA DURGA                     | II-II           | A. V. Durga         |
| 4    | 21MD1A0504 | ANKEM LIKHITHA                         | II-II           | A. Likhitha         |
| 5    | 21MD1A0505 | AREPU LAKSHMI                          | II-II           | A. lakshmi          |
| 6    | 21MD1A0506 | BALINA SHANMITHA JAHNAVI               | II-II           | B. Jahnavi          |
| 7    | 21MD1A0507 | BIKKINA GANESH CHOWDARY                | II-II           | B. ganesh           |
| 8    | 21MD1A0508 | BIRREA SATYA                           | II-II           | B. Satya            |
| 9    | 21MD1A0509 | BOBBALA NAGENDRA                       | II-II           | B. Nagendra         |
| 10   | 21MD1A0510 | BOLLIPO TEJA                           | II-II           | B. Teja             |
| 11   | 21MD1A0511 | BOLLIPO TEJAS                          | II-II           | B. Tejas            |
| 12   | 21MD1A0512 | BOTTA SATYA VINEELA                    | II-II           | B. Satya vineela    |
| 13   | 21MD1A0516 | CHIKILE JAYAPRAKANTH                   | II-II           | C. Jaya Prakash     |
| 14   | 21MD1A0517 | CHINTALA RESHMA DEVI                   | II-II           | C. Reshma Devi      |
| 15   | 21MD1A0518 | CHUNDRU NAGA PADMA MANJU ANUSHA        | II-II           | C. Naga Padma       |
| 16   | 21MD1A0519 | DASARI GANESH                          | II-II           | D. Ganesh           |
| 17   | 21MD1A0520 | DASARI SRIVASAVIDURGA<br>CHAMUNDESWARI | II-II           | D. S. Chamundeswari |
| 18   | 21MD1A0521 | EEDUPUGANTI RAVI KIRAN                 | II-II           | E. RAVI KIRAN       |
| 19   | 21MD1A0522 | GALLA NITHIN KUMAR                     | II-II           | G. N. Kumar         |
| 20   | 21MD1A0523 | GANALA LAVANYA                         | II-II           | G. Lavanya          |
| 21   | 21MD1A0524 | GANAPAVARAPU SAI NAGA P KUMAR          | II-II           | G. S. N. P. Kumar   |
| 22   | 21MD1A0534 | HOTHA BHARANI SREE                     | II-II           | H. Bharani Sree     |
| 23   | 21MD1A0535 | ILLURI KARTHIKEYA                      | II-II           | I. karthikeya       |
| 24   | 21MD1A0537 | JAJULA SARATH SAI KUMAR                | II-II           | J. Kumar            |



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|    |            |                                      |       |                      |
|----|------------|--------------------------------------|-------|----------------------|
| 25 | 21MD1A0538 | JAKKALA AJAY KUMAR                   | II-II | J. A. Kumar          |
| 26 | 21MD1A0539 | JUREDDY NAVYA                        | II-II | J. NAVYA             |
| 27 | 21MD1A0540 | JUTTUKA VENKATA MANI GOWRISHANKAR    | II-II | JVMG Shankar         |
| 28 | 21MD1A0541 | KAJA ANUSHKA                         | II-II | k. Anushka           |
| 29 | 21MD1A0542 | KAKARLA HEMALATHA                    | II-II | k. Hemalatha         |
| 30 | 21MD1A0569 | MIRTHIPATI K N V VENKATA SATYA DURGA | II-II | M.N.V.V.S. Durga     |
| 31 | 21MD1A0570 | MOTURI DURGA                         | II-II | M. Durga             |
| 32 | 21MD1A0571 | MULLAPUDI PRASANNA LAKSHMI           | II-II | M.P. Laxmi           |
| 33 | 21MD1A0572 | MUNIKOTI VENKATESH                   | II-II | m. Venkatesh         |
| 34 | 21MD1A0573 | MUTHA SIREESHA                       | II-II | M. SIREESHA          |
| 35 | 21MD1A0574 | NAKKA VEDHASUDHA                     | II-II | N. Sudha             |
| 36 | 21MD1A0575 | NALLA VINEELA                        | II-II | N. vineela           |
| 37 | 21MD1A0576 | NARAVA TARUN ESHWAR                  | II-II | N. Taruneshwar.      |
| 38 | 21MD1A0577 | NARIGIRI NAGA SRI LALITHA            | II-II | N. Naga Sri Lalitha  |
| 39 | 21MD1A0578 | NELLI PREM PRANEETH                  | II-II | N.P. Praneeth        |
| 40 | 21MD1A0591 | PENDYALA RISHITHA                    | II-II | P. rishitha          |
| 41 | 21MD1A0592 | PENUMATCHA SAI KRISHNAM RAJU         | II-II | P.S Krishnam Raju    |
| 42 | 21MD1A0593 | PITTA SAIREDDY                       | II-II | P. Sai reddy         |
| 43 | 21MD1A0594 | RATHIPALLI VEERENDRA KUMAR           | II-II | R.veerendra kumar.   |
| 44 | 21MD1A0595 | RAVULAPUDI SIVA DURGA SAI SURENDRA   | II-II | R.D.S Surendra       |
| 45 | 21MD1A0596 | REDDY SAI TEJA                       | II-II | R. Sai teja          |
| 46 | 21MD1A0591 | PENDYALA RISHITHA                    | II-II | P. Rishitha          |
| 47 | 21MD1A0592 | PENUMATCHA SAI KRISHNAM RAJU         | II-II | P.S.R. RAJU          |
| 48 | 21MD1A0593 | PITTA SAIREDDY                       | II-II | P. Saireddy          |
| 49 | 21MD1A0594 | RATHIPALLI VEERENDRA KUMAR           | II-II | R. V. Kumar          |
| 50 | 21MD1A0595 | RAVULAPUDI SIVA DURGA SAI SURENDRA   | II-II | R. S. D. S. Surendra |
| 51 | 21MD1A05A2 | SINGADALA SATYA SAI TEJA             | II-II | S. Teja              |
| 52 | 21MD1A05A3 | SIVALA VASAVI                        | II-II | S. Vasavi            |



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|    |            |  |       |                           |
|----|------------|--|-------|---------------------------|
| 53 | 21MD1A05A6 | TADISETTI RAVI TEJA SAI KUMAR          | II-II | Ty. S. S. Kumar           |
| 54 | 21MD1A05A7 | TALARI VENI MADHURI                    | II-II | T. V. Madhuri             |
| 55 | 21MD1A05A8 | TALLURI PANDU RANGA                    | II-II | T. Pandu Ranga            |
| 56 | 21MD1A05A9 | THIRAMDASU SUBRAHMANYAM                | II-II | T. Subrahmanyam           |
| 57 | 21MD1A05B0 | UDAYABANU VEERA VENKATA SATYA SAI RAJU | II-II | U.V.S.S. Raju             |
| 58 | 21MD1A05B1 | UPPULURI LAKSHMI SIRISHA               | II-II | U.L. Sirisha              |
| 59 | 21MD1A05B2 | UPPULURI NAGA SATYANARAYANA            | II-II | U.N. Satyanarayana        |
| 60 | 21MD1A05B3 | VADAPALLI NAHUM                        | II-II | V. Nahum                  |
| 61 | 21MD1A05B4 | VADDADI HARI VIJAY MANI CHARAN         | II-II | V. Hari Vijay Mani Charan |
| 62 | 21MD1A05B5 | VASAMSETTY MOHANA VENKATA KAVYA        | II-II | V.M.V. Kavya              |
| 63 | 21MD1A05B6 | VEERA LAKSHMI DURGA DEVI               | II-II | V.L. Durga Devi           |
| 64 | 21MD1A05B7 | VEGIRAJU SUNIL VARMA                   | II-II | V. Sunil Varma            |
| 65 | 21MD1A05B8 | VELICHETI JASWANTH                     | II-II | V. Jaswanth               |
| 67 | 21MD1A05B9 | YANNAM LAKSHMAN MANIDHAR               | II-II | Y. Lakshman Manidhar      |
| 68 | 21MD1A05C0 | YEDIDA HEMA PRIYA                      | II-II | Y.H. Priya                |
| 69 | 21MD1A05C1 | BHUPANI HEMA SUNDARI                   | II-II | B.H. Sundari              |
| 70 | 21MD1A05C2 | KOTARI SHYAM                           | II-II | K. Shyam                  |
| 71 | 21MD1A05C3 | MANCHILI MANIKANTA SATYASIVA SATHIVIK  | II-II | M.M.S. Sathivik           |
| 72 | 21MD1A05C4 | MUKKIPATI SRI SAI RAMANA               | II-II | M.S.S. Ramana             |
| 73 | 21MD1A05C5 | NALAM KRISHNA BALAJI GUPTHA            | II-II | N.K.B. Gupta              |
| 74 | 21MD1A05C6 | PANDA SAI SRINIVAS MURALI KARTHIK      | II-II | P.S.S.M. Karthik          |

M. Ash

Principal

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|----|------------|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 21MD1A05B7 | VEGIRAJU SUNIL VARMA              | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 65 | 21MD1A05B8 | VELICHETI JASWANTH                | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 67 | 21MD1A05B9 | YANNAM LAKSHMAN MANIDHAR          | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 68 | 21MD1A05C0 | YEDIDA HEMA PRIYA                 | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 69 | 21MD1A05C1 | BHUPANI H SUNDARI                 | P | P | P | P | P | P | P | P | P | A | P | P | P |
| 70 | 21MD1A05C2 | KOTARI SHYAM                      | A | P | P | P | P | P | A | P | P | P | P | P | P |
| 71 | 21MD1A05C3 | MANCHILI M SATYASIVA SATHIVIK     | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 72 | 21MD1A05C4 | MUKKIPATI SRI SAI RAMANA          | P | P | P | P | A | P | P | P | P | P | P | P | P |
| 73 | 21MD1A05C5 | NALAM KRISHNA BALAJI GUPTHA       | P | P | P | P | P | P | P | P | P | A | P | P | P |
| 74 | 21MD1A05C6 | PANDA SAI SRINIVAS MURALI KARTHIK | P | P | P | P | P | P | P | P | P | P | P | P | P |

*M. S. S.*

Principal

Rajamahendri Institute of Engineering & Technology

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E.G. Dist., (A.P)



Date: 03-03-2023

### PROGRAM REPORT

**Name and Title of the Program: “A Two-Week Certificate Program on AWS Fast-Track”**

**Date of Duration: 13-02-2023 to 28-02-2023**

#### **Objectives of the Program:**

1. Introduce the concept of cloud computing and provide an overview of AWS.
2. Dive into AWS compute services with a focus on Amazon EC2.
3. Explore serverless computing with AWS Lambda and API Gateway.
4. Understand AWS storage services, including Amazon S3 and Elastic Block Store (EBS).
5. Explore AWS database services such as Amazon RDS and DynamoDB.
6. Cover networking and security topics in AWS.
7. Explore advanced networking and security topics.
8. Learn about AWS Elastic Beanstalk and Elastic Container Service (ECS).
9. Explore advanced compute services and scaling options.
10. Explore advanced storage services and data archiving.
11. Introduce DevOps practices and AWS tools for code management and deployment.
12. Learn about AWS Step Functions and the development of serverless applications.
13. Explore AWS services for monitoring, logging, and analytics.
14. Review key concepts, optimize AWS resources, and prepare for AWS certification exams.

#### **Out Comes of the Program:**

1. Creating an AWS Account and Configuring IAM Users
2. Launching an EC2 Instance
3. Creating a Serverless API with Lambda and API Gateway
4. Uploading Files to an S3 Bucket
5. Creating and Attaching EBS Volumes to EC2 Instances
6. Setting Up a VPC



7. Configuring IAM Policies for Enhanced Security
8. Configuring VPC Peering
9. Setting Up AWS WAF Rules
10. Deploying an Application with Elastic Beanstalk
11. Deploying Containers with ECS
12. Setting Up Auto Scaling
13. Configuring a Load Balancer for EC2 Instances
14. Setting Up Amazon EFS
15. Archiving Data with Glacier
16. Managing Code with CodeCommit
17. Deploying Code with CodeDeploy
18. Creating a Step Function Workflow
19. Monitoring Serverless Applications
20. Creating CloudWatch Alarms
21. Configuring CloudTrail for Audit Trails

**No. of Participants:74**



**RESOURCE PERSON PROFILE**

**Name of the Certification program: “A Two-Week Certificate Program on AWS Fast-Track Program”**



**Name of the Resource Person: Mrs. G. Haritha Rani**

Mrs. G. Haritha Rani completed her M.Tech at Swarnandhra College of Engineering & Technology. An esteemed professional with an illustrious 17-year tenure in the Computer Science and Engineering (CSE) department, has emerged as a distinguished figure in academia. Boasting a wealth of experience, she has not only demonstrated a profound commitment to education but has also showcased a forward-thinking approach by acquiring certifications in cutting-edge technologies. With a keen focus on staying at the forefront of technological advancements, she has completed certifications in AWS Solution Architect, Machine Learning, Microsoft and Cloud Practitioner, underscoring a commitment to staying current in the rapidly evolving field of computer science.

  
Co-ordinator

  
PRINCIPAL  
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## Participation Certificate

This is certify that

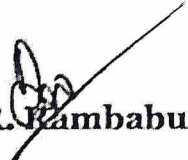
Mr./Mrs./Ms.


ANKEM LIKHITHA

has participated in

A Two-Week Certification "AWS Fastrack Programme"

13/02/23 to 28/02/23

  
Dr. R. Rambabu  
HOD, Dept. of. CSE

  
Dr. M. Muralikrishna  
Principal

  
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BHOOPALAPATNAM.  
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# RAJAMAHENDRI INSTITUTE OF ENGINEERING & TECHNOLOGY

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BHUPALAPATNAM, RAJAHMUNDRY-533107, E.G. Dist.

E: [office@rietry.co.in](mailto:office@rietry.co.in)

W: [www.rietry.co.in](http://www.rietry.co.in)

P: +919121214413



## Participation Certificate

This is certify that


✓  
Mr./Mrs./Ms.

BOLLIDO TEJA

has participated in

A Two-Week Certification "AWS Fastrack Programme"

13/02/23 to 28/02/23

  
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Date : 20-02-2023

### CIRCULAR

It is here by informed to all IVth B.Tech II-Sem ECE students that our college conducting "A Two-Week Certificate Program on Wireless Networks" on 27<sup>th</sup> February 2023 to 15<sup>th</sup> March 2023. All the students give their names to coordinator listed below on or before 24<sup>th</sup> February 2023. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator : Ms V . Devi Ramya Sri , Assistant Professor, Dept. of ECE, RIET.

  
Principal

(Dr. M. Murali Krishna)  
PRINCIPAL  
RAJAMAHENDRI  
INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALAPATNAM.  
RAJAMAHENDRAVARAM-533 107. E.G.D.

Copy to: Secretary

Copy to: All HODs for circulation to Staff

Copy to : Admin. Office

| BRANCH                     | CSE           |                |               |         | MECH      | ECE            | EEE           | S&H     |
|----------------------------|---------------|----------------|---------------|---------|-----------|----------------|---------------|---------|
|                            | CSE A         | CSE B          | AI&ML         | DS      |           |                |               |         |
| B.Tech1 <sup>st</sup> year |               | YL             |               | YL      |           |                |               | Drapana |
| B.Tech2 <sup>nd</sup> year | QAB           |                | -             | -       | Me        | QAB            | AS            |         |
| B.Tech3 <sup>rd</sup> year | YL            | J              | -             | -       | P.S.B.    | QAB            |               |         |
| B.Tech4 <sup>th</sup> year |               |                | -             | -       |           | g              |               |         |
| All HODs                   |               |                | <del>AS</del> |         | Me        | <del>QAB</del> | <del>AS</del> | Drapana |
| IQAC                       | Accounts      | Placement Cell | Exam Section  | Library | Transport |                |               |         |
| <del>AS</del>              | <del>AS</del> | <del>AS</del>  | YL            | AS      | Pradar    |                |               |         |



## Organizing Committee

### Chief Patron

**Shri. A.V.V. Satyanarayana**

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

**Sri. T.V.L. Narasimha Rao**

Vice-Chairman, Swarnandhra Educational Society

**Sri. R.R.S.S. Srinivas**

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. B. Sudhir**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [bsudhir539@gmail.com](mailto:bsudhir539@gmail.com)

### Co-ordinator

**Mrs. V. Devi Ramya Sri**

Assistant Professor,  
Department of Electronics and Communication Engineering

Mobile No: +91 9502918934

Email id: [ramyasri8934@gmail.com](mailto:ramyasri8934@gmail.com)

## A Two-Week Certificate Program on "WIRELESS NETWORK"

### REGISTRATION FORM

1. Name of the Participant:
2. Class:
3. Roll Number:
4. Academic Year:
5. Branch:
4. Phone Number:
5. Email ID:
6. Address for Communication:
7. Signature of Participant:
8. Signature of class teacher:
9. Remarks (if any):

Date:  
Station:

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HOD



## A Two-Week Certificate Program on "WIRELESS NETWORK"

*Schedule:*

**27/02/2023 to 15/03/2023**

*Venue: Seminar Hall*



Organized  
by  
Department of  
Electronics and Communication  
Engineering

**RAJAMAHENDRI**  
INSTITUTE OF ENGINEERING &  
TECHNOLOGY

Approved by AICTE, New Delhi Affiliated  
by JNTUK and Accredited by NAAC  
Bhoopalapatnam, RAJAMAHENDRAVARAM,  
AP, 533107.

## About the Institute

Rajamahendri Institute of Engineering and Technology popularly known as “RIET” was established in the year 2008 in Rajahmundry by “The Swarnandhra Educational Society” pioneered by Technocrats, Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life which is free from pollution and congenial to attain technical knowledge.

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch was started with an intake of 60 in the year 2011. CSE (AI&ML), CSE (DATA SCIENCE) branches were started with an intake of 60 students each in the year 2022. RIET has completed 14 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its twelfth year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in

adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## About the Department

The Department of Electronics and Communication Engineering, Rajamahendri Institute of Engineering and Technology was established in the year 2008. The department of ECE has been known for its exceptionally strong Under-Graduate training programmes. Ranked among the prominent in East Godavari, the department has always been on a progressive path, thanks to the experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education.

## About the Program



- ✓ To study about Wireless networks, protocol stack and standards.
- ✓ To study about fundamentals of 3G Services, its protocols and applications.
- ✓ To study about evolution of 4G Networks, its architecture and applications

## Topics to be Covered

- Wireless networks,
- Protocol stack and standards.
- Fundamentals of 3G Services, its protocols and applications.
- Evolution of 4G Networks, its architecture and applications.

## Resource Person

### Mrs. B. Vijaya

Assistant Professor,  
Department of Electronics and  
Communication Engineering  
Mobile No: +91 888652932  
Email id: [vijaya29329@gmail.com](mailto:vijaya29329@gmail.com)



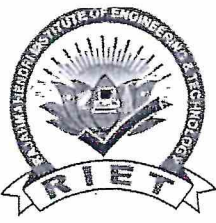


Date:24-02-2023

**PROGRAMSCHEDULE**

Program Schedule for A Two-Week Certificate Program on “Wireless Networks”.

| Duration  | Program   |
|---|---|
| <b>Day1:</b> 27-02-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Introduction to 3G/4G Wireless Communications |
| <b>Day2:</b> 28-02-2023<br>9:30AM-12:50PM<br>01:30PM-03:50PM  | ➤ Modeling of Wireless Systems                  |
| <b>Day3:</b> 01-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ System Model for Narrowband Signals           |
| <b>Day4:</b> 02-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Rayleigh Fading Wireless Channel              |
| <b>Day5:</b> 03-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Intuition for BER in a Fading Channel         |
| <b>Day6:</b> 04-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Channel Estimation in Wireless Systems        |
| <b>Day7:</b> 06-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Diversity in Wireless Communication           |
| <b>Day8:</b> 09-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Code Division for Multiple Access (CDMA)      |
| <b>Day9:</b> 10-03-2023<br>09:30AM-12:50PM<br>01:30AM-03:50PM | ➤ Advantages of CDMA                            |



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|  |  |
|--|--|
| <b>Day10:</b> 13-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Multiple-Input Multiple-Output Wireless Communications |
| <b>Day11:</b> 14-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Singular Value Decomposition                           |
| <b>Day12:</b> 15-03-2023<br>09:30AM-12:50PM<br>01:30PM-03:50PM | ➤ Orthogonal Frequency-Division Multiplexing             |

  
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eMail: office@rietriety.co.in Website: www.rietriety.co.in Ph: +91 91212 14413



### NAME OF THE PROGRAM : A Two Week Add on Program on Wireless network STUDENTS LIST

| S.NO | REDG. NO.  | NAME OF THE STUDENT                     | YEAR/<br>BRANCH | SIGNATURE           |
|------|------------|---|-----------------|---------------------|
| 1.   | 19MD1A0401 | BOLLEMPALLI AJAY CHANDRA                | IV-II           | B. Chandra          |
| 2.   | 19MD1A0402 | BOYIDAPU INDRANI                        | IV-II           | B. Indrani          |
| 3.   | 19MD1A0403 | CHINTALAPUDI VASAVI VENKATA SAI LAKSHMI | IV-II           | C.V.V.S. Lakshmi    |
| 4.   | 19MD1A0404 | CHIRAKUTTI KASTURI                      | IV-II           | C. Kasturi          |
| 5.   | 19MD1A0405 | CHIRAVURI NAGA DURGA BHARATHI           | IV-II           | C. Bharathi         |
| 6.   | 19MD1A0406 | CHITRAPU RAMYA SREE                     | IV-II           | C. Ramya            |
| 7.   | 19MD1A0407 | CHITTA VENKATESH                        | IV-II           | C. Venkatesh        |
| 8.   | 19MD1A0408 | CHITTIBOINA SATYA SAI RAM               | IV-II           | C. Satya Sai Ram    |
| 9.   | 19MD1A0409 | DASARI K V V D BHAVANI                  | IV-II           | D.K.V.V.D. Bhavani  |
| 10.  | 19MD1A0410 | DODDI ANITHA DEVI                       | IV-II           | D. ANITHA DEVI      |
| 11.  | 19MD1A0411 | GUTTULA KAVYA                           | IV-II           | G. Kavya            |
| 12.  | 19MD1A0412 | INDUKURI SWARNA LATHA                   | IV-II           | I. Swarna Latha     |
| 13.  | 19MD1A0413 | KAMBALA SAI SRAVANTHI                   | IV-II           | K. Sai Sravanthi    |
| 14.  | 19MD1A0414 | KANDULA NAGA VENKATA SAI SIREESHA       | IV-II           | K.N.V.S. Sireesh    |
| 15.  | 19MD1A0415 | LAKAMSANI SATYA PAVANI SURYA VISWASREE  | IV-II           | L.S.P.S. Diswasree  |
| 16.  | 19MD1A0416 | LANKA TEJA VENKATA SAI DURGA RAJKUMAR   | IV-II           | L.T.V.S.D. Rajkumar |
| 17.  | 19MD1A0417 | LEELA SATYA PRANEETHA KARRI             | IV-II           | K.L.S. Praneetha    |
| 18.  | 19MD1A0418 | MADDULA PUJITHA DEVI                    | IV-II           | M. Pujitha          |
| 19.  | 19MD1A0419 | SATYAM GOUTHAMI                         | IV-II           | S. Gouthami         |
| 20.  | 19MD1A0420 | SIRIGINEEDI TINKU SURENDRA              | IV-II           | S. T. Surendra      |
| 21.  | 19MD1A0421 | UNDAVALLI DEVI PRUDHVIKA                | IV-II           | U.D. Prudhika       |
| 22.  | 19MD1A0422 | VAIDYALINGAM VINAI KUMAR                | IV-II           | V.V. KUMAR          |
| 23.  | 19MD1A0424 | VEMAGIRI SUSHMA                         | IV-II           | V. Sushma           |
| 24.  | 19MD1A0425 | YERROJU JAHNAVI PUSHPALATHA             | IV-II           | Y.J. Pushpalatha    |
| 25.  | 19MD1A0426 | YERUBANDI VENKATESH                     | IV-II           | Y. Venkatesh        |

Principal

Rajamahendri Institute of Engineering & Technology  
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|    |            |                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|------------|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 19MD1A0413 | KAMBALA SAI SRAVANTHI          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 14 | 19MD1A0414 | KANDULA N VENKATA SAI SIREESHA | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 15 | 19MD1A0415 | LAKAMSANI S P SURYA VISWASREE  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 16 | 19MD1A0416 | LANKA T V SAI DURGA RAJKUMAR   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 17 | 19MD1A0417 | LEELA SATYA PRANEETHA KARRI    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 18 | 19MD1A0418 | MADDULA PUJITHA DEVI           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 19 | 19MD1A0419 | SATYAM GOUTHAMI                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 20 | 19MD1A0420 | SIRIGINEEDI TINKU SURENDRA     | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 21 | 19MD1A0421 | UNDAVALLI DEVI PRUDHVIKA       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 22 | 19MD1A0422 | VAIDYALINGAM VINAI KUMAR       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 23 | 19MD1A0424 | VEMAGIRI SUSHMA                | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| 24 | 19MD1A0425 | YERROJU JAHNAVI PUSHPALATHA    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 25 | 19MD1A0426 | YERUBANDI VENKATESH            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

  
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**BHOOPALAPATNAM.**  
**RAJAMAHENDRAVARAM-533 107. E.G. Dist.**



Date: 18-03-2023

**PROGRAM REPORT**

**Name and Title of the Program:** A Two-Week Certificate Program on “Wireless Networks”.

**Date & Time:** 27-02-2023 to 15-03-2023 & 10:00 AM to 5:00 PM.

**Resource Person:** Mrs. B. Vijaya, Assistant Professor, ECE-Dept, RIET.

**Name of The Coordinator:** Ms. V.Devi Ramya Sri , Assistant Professor, ECE-Dept, RIET.

**Objectives of the Program:**

1. The Aim of this course is to introduce the fundamental technologies for wireless Communication and networking.
2. Introducing the comprehensive exposure to the fast-evolving high-tech fields of Wireless Communications.
3. It introduces the latest technologies such as CDMA, OFDM, and MIMO, which form The bedrock of 3G/4G Wireless Networks

**Outcomes of the Program:**

The student will be able to:

1. Concept and analysis of CDMA-based Wireless Networks.
2. Understand the concepts of Multiple-Input Multiple-Output(MIMO).
3. Understand the modern wireless systems using OFDM.
4. Analysis of Satellite-Based Wireless Systems.

**No. of Participants: 25**





**RESOURCE PERSON PROFILE**


**Name of the Certificate Program: A Two-Week Certificate Program on “Wireless Networks”.**



**Name of the Resource Person: Mrs. B. Vijaya**

She completed M.Tech in ECE at JNTUK, 10 years of excellent teaching skills in relevant subjects. Her area of specialization on Wireless Networks and Best Knowledge in Wireless Networks (WN). Senior Faculty as an Assistant Professor in the Electronics and Communication Engineering Department is a distinguished position that encompasses advanced teaching, significant research contributions, and leadership within the academic community.

  
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Coordinator



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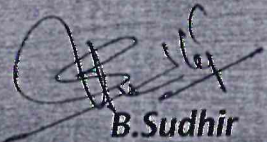
**Participation Certificate**

This is to certify that


Mr./Mrs./Ms. GUTTULA KAVYA

has participated in

A Two-Week Certificate Program on "Wireless Network"  
27/02/2023 to 15/03/2023

  
B. Sudhir

HOD, Dept. of. ECE

  
Dr. M. Murali Krishna  
Principal

  
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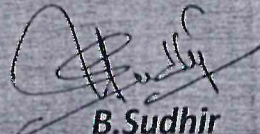
**Participation Certificate**


This is to certify that

Mr./Mrs./Ms. VENAGIRI SUSHMA

has participated in

A Two-Week Certificate Program on "Wireless Network"  
27/02/2023 to 15/03/2023

  
**B. Sudhir**  
HOD, Dept. of. ECE

  
**Dr. M. Murali Krishna**  
Principal

  
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