

# RAJAMAHENDRI

INSTITUTE OF ENGINEERING & TECHNOLOGY

AISHE ID:C-18113

NAAC DVV

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) Documents related to certificate 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

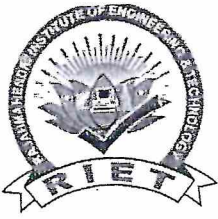
S.No	Name of the Program	Duration of Course	No. of Participants
1.	A Two-Week Certificate Program on " <b>Internet Of Things</b> "	18-07-2022 to 30-07-2022	52
2.	A Two-Week Certificate Program on " <b>AngularJS</b> "	16-08-2022 to 30-08-2022	76
3.	A Two-Week Certificate Program on " <b>Digital Signal 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

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

  
PRINCIPAL

**PRINCIPAL**  
**RAJAMAHENDRI**  
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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.

*M. Murali Krishna*  
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	<i>Ys</i>			----	<i>Dopuwo</i>
B.Tech.2nd Year	<i>Qad MS</i>	<i>m</i>	<i>GME</i>	-----	-----
B.Tech.3rdYear	<i>J Ys</i>	<i>Me</i>	<i>g</i>	<i>S</i>	-----
B.Tech.4thYear	<i>Psee Y</i>	<i>P.M.C.</i>	<i>Nay</i>		-----
ALLHOD'S	<i>J</i>		<i>Shetty</i>	<i>J. Jyoc</i>	<i>Dopuwo</i>
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORTDEPT.	LIBRARY	EXAM SECTION
<i>J</i>	<i>D</i>	<i>J</i>	<i>Shetty</i>	<i>J</i>	<i>Y</i>

## 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**

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



- 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

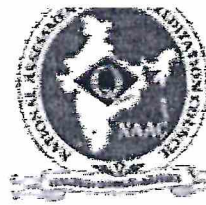
- Improve Efficiency. Data is key to successfully improving productivity and operational efficiency with IOT solutions.
- Gain Competitive Edge
- Expand Your IOT View.

## 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)



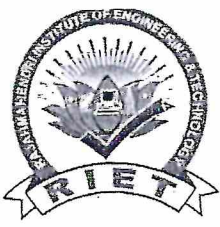


Date:15-07-2022

**PROGRAM SCHEDULE**

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

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




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



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

  
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**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/ 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. L. S.  
Principal

Rajamahendri Institute of Engineering & Technology  
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E.G. Dist., (A.P)









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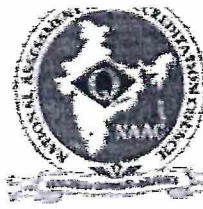
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42	22MD5A0407	MUNI SATISH CHANDRA	P	P	P	P	P	P	P	P	P	P	P	P
43	21MD1A0441	MADAPATI PAVANI	P	P	P	P	P	P	P	P	P	P	P	P
44	21MD1A0442	MADDALA S ANUROOP TATAJI	P	P	P	P	P	P	P	P	P	P	P	P
45	21MD1A0448	MEESALA SIVASRUJAN	P	P	P	P	P	P	P	P	P	P	P	P
46	21MD1A0449	MUNAGALA 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.

  
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Coordinator



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

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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## Organizing Committee

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**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

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**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@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:

  
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## 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**  
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.



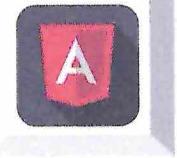
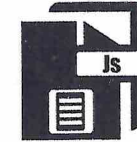
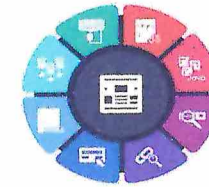
## About the Department

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

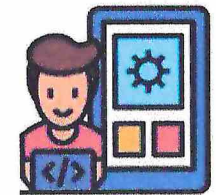


Angular JS is a JavaScript framework developed by Google for building dynamic web applications. It follows the Model-View-Controller (MVC) architecture, offering features like two-way data binding, directives for extending HTML, and dependency injection for modularity. It supports client-side routing 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 10:00 AM - 12:40 PM 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 10:00 AM - 12:40 PM 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 10:00 AM - 12:40 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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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<b>Day8:</b> 24-08-2022 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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 10:00 AM - 12:30 PM 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/ 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	BOLISETTI 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	KATI KI 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
41	19MD1A0554	CHITTURI MOUNIKA VENKATA SRI LAKSHMI	IV-I	C. Lakshmi
42	19MD1A0555	DODDI VENKATA SATYA SAI M NUKESH	IV-I	D. Mukesh
43	19MD1A0556	KRISHNA NANDHANA SHINU	IV-I	K. Krishna
44	19MD1A0557	ESWAR DEVI SETTI	IV-I	E. Devi setti
45	19MD1A0558	GADDE DEDEEPIYA	IV-I	G. Deedeeepya
46	19MD1A0559	GARAPATI BHARGAVI JYOTHI	IV-I	G. Deedeeepya
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

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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
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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. L. S.

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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.



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### Out Comes of the Program:

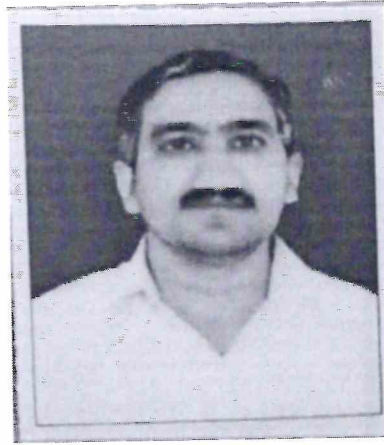
Assign a project that allows students to build a small web application using Angular JS. This project should include multiple views, controllers, services, and routing.

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





# RAJAMAHENDRI

## INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada, Accredited BY NAAC)

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

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



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				----	<i>Disapprove</i>
B.Tech.2nd Year	<i>JK</i>	<i>Me</i>	<i>g</i>	----	-----
B.Tech.3rdYear	<i>MS</i>	<i>ly</i>	<i>noel</i>	<i>ES</i>	-----
B.Tech.4thYear	<i>P&amp;E</i>	<i>P.T.C.</i>	<i>RC</i>	<i>J.Kandh</i>	-----
ALLHOD'S	<i>dk</i>	<i>AY</i>	<i>g</i>	<i>P&amp;E</i>	<i>Disapprove</i>
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORTDEPT.	LIBRARY	EXAM SECTION
<i>dk</i>	<i>dk</i>	<i>dk</i>	<i>Pradha</i>	<i>dk</i>	<i>JK</i>

## Organizing Committee

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

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

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**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”

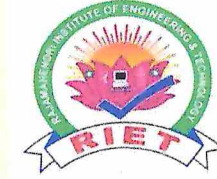
## REGISTRATION FORM

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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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**  
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

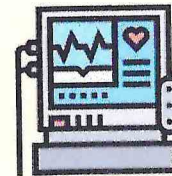
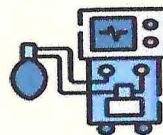
technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## About the Department

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



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

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



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/ 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. Bharathi
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. Ananda Vani
18.	21MD5A0405	KAPAKAYALA ANAND VAMSI GANESH	III-II	K. anand van
19.	21MD5A0406	KUKKALA SAI CHAKRAVARTHI	III-II	K. Sai chakraarthi
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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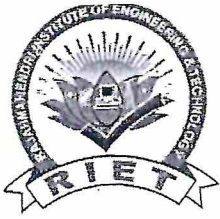


19	21MD5A0406	KUKKALA SAI CHAKRAVARTHI	P	P	P	P	P	P	P	P	P	P	P	P
20	21MD5A0407	NIMMALA SWARUPA RANI	P	P	P	P	P	P	P	P	P	P	P	P
21	21MD5A0408	SATTI NAGA VENKATA GANESH	P	P	P	P	P	P	P	P	P	A	P	P
22	21MD5A0409	YADLA YAMUNA	P	P	P	P	P	P	P	P	P	P	P	P
23	206L1A0431	YARLAGADDA JASMINE	A	A	A	A	A	A	A	A	A	A	A	A

M. L. S.

Principal

Rajamahendri Institute of Engineering & Technology  
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:

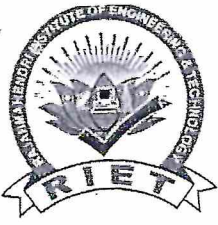
1. Analyze the discrete-time signals and systems in time and frequency domains.
2. Know the importance of FFT algorithm for computation of Discrete Fourier Transform  
Understand the various implementations of digital filter structures.
3. Learn the FIR and IIR Filter design procedures.
4. Learn the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



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

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

P: +919121214413

## Participation Certificate

This is to certify that

Mr./Mrs./Ms. SANGHVI, VIJAYASHRUTI

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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BHUPALAPATNAM,  
RAJAMAHENDRAVARAM-533 107, E.G. Dist.

Dr. M. Murali Krishna  
Principal



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E: [info@rajatech.edu.in](mailto:info@rajatech.edu.in)

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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## Organizing Committee

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**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

**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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## About the Institute

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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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30PM 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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Ph: +91 91212 14413



<b>Day10:</b> 22-12-2022 10:00AM-12:30PM 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 10:00AM-12:30PM 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 10:00AM-12:30 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/ 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 Satya
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 karteek
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. Sameshwara Rao
25	20MD1A0526	KOTU VNM NARASIMHA KARTHIKEYAN	III - II	K. V. N. Karthikeyan



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

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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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## *Participation Certificate*

This is to certify that

Mr./Mrs./Ms.

          NAILA          MOUNIKA          

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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)

- Copy to : Secretary
- Copy to : All HODs for circulation to Staff
- Copy to : Admin. Office
- Copy to : Library

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BRANCH	CSE				MECH	ECE	EEE	S&H
	CSE A	CSE B	AI&ML	DS				
B.Tech 1 <sup>st</sup> year					-		-	
B.Tech 2 <sup>nd</sup> year			-	-				
B.Tech 3 <sup>rd</sup> year			-	-	Ky			
B.Tech 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  
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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 10:00AM-12:40 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 10:00AM-12:40 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 10:00AM-12:40 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 10:00AM-12:30 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 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Liquid solid state bonding</li></ul>
<b>Day6:</b> 17/12/2022 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• weldability</li></ul>
<b>Day7:</b> : 19/12/2022 10:00AM-12:30 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 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Advanced inspection in welding technology</li></ul>
<b>Day9 :</b> 21/12/2022 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Hard facing of metals</li></ul>
<b>Day10 :</b> 22/12/2022 10:00AM-12:30 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 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• . Characteristics of welding process</li></ul>
<b>Day12:</b> 24/12/2022 10:00AM-12:30 1:30PM-3:00PM	<ul style="list-style-type: none"><li>• . Applications, advantages and dis advantages</li></ul>

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



### 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**



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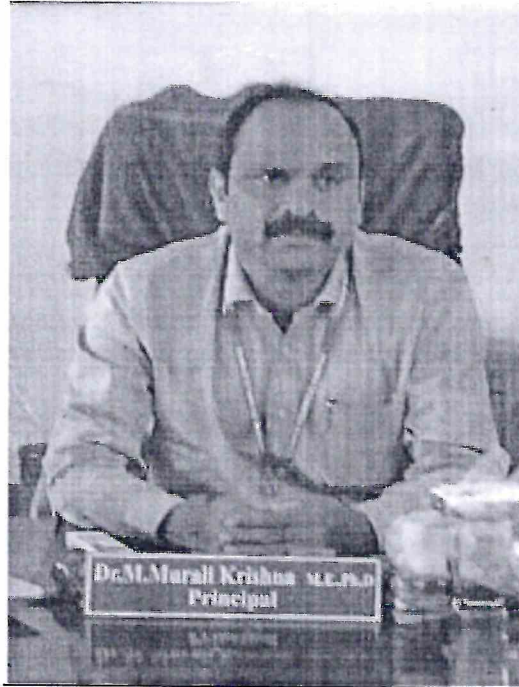
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eMail: office@rietrjy.co.in Website: www.rietrjy.co.in Ph: +91 91212 14413



### 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.

<sup>Ky</sup>  
CO-ORDINATOR

  
PRINCIPAL  
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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

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

P: +91 9121214413

## Participation Certificate

This is to certify that

Mr./Mrs./Ms. K. Taxun

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**




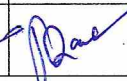
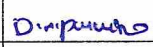






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Copy to : All HODs for circulation to Staff

Copy to : Admin. Office

Copy to : Library

BRANCH	CSE				MECH	ECE	EEE	S&H
	CSE A	CSE B	AI&ML	DS				
B.Tech 1 <sup>st</sup> year								
B.Tech 2 <sup>nd</sup> year			-	-				
B.Tech 3 <sup>rd</sup> year			-	-				
B.Tech 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. 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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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

**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.

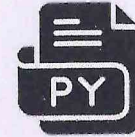


## About the Department

The Department of 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: [dasarismwarnaprasad@gmail.com](mailto:dasarismwarnaprasad@gmail.com)

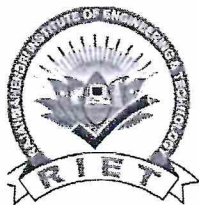




Date: 21/01/2023.

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

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



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

  
Principal

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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



# RAJAMAHENDRI

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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**

  
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**Participation Certificate**

This is to certify that

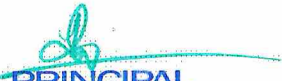
Mr./Mrs./Ms.

*Reddi Mohan*

has participated in

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

23/01/2023 to 04/02/2023

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

HOD, Dept. of. EEE

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

Principal



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**Participation Certificate**

This is to certify that

Mr./Mrs./Ms.

*Dasu. Laxmiya*

has participated in

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

23/01/2023 to 04/02/2023

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Principal



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Chairman, Swarnandhra Educational Society

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Vice-chairman, Swarnandhra Educational Society

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### 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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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

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## 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.



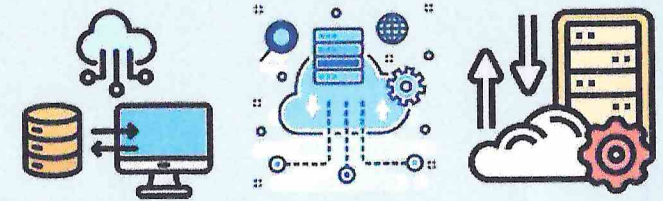
## About the Department

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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 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 9:30AM-12:30PM 1:30PM-2:30:00PM 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>

  
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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/ 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. JayaPrakanth
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 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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26	21MD1A0539	JUREDDY NAVYA	II-II	J. NAVYA
27	21MD1A0540	JUTTUKA VENKATA MANI GOWRISHANKAR	II-II	JVMGShankar
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
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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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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.*

Principal

Rajamahendri Institute of Engineering & Technology

Bhoopalapatnam, Rajahmundry-5

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”**

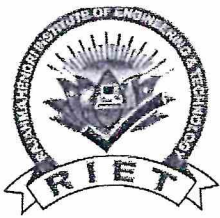
**Date of Duration: 13-02-2023 to 28-02-2023**

**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



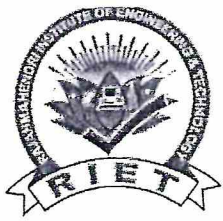
# RAJAMAHENDRI INSTITUTE OF ENGINEERING & TECHNOLOGY

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eMail: [office@rietjy.co.in](mailto:office@rietjy.co.in) Website: [www.rietjy.co.in](http://www.rietjy.co.in) Ph: +91 91212 14413



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  
**RAJAMAHENDRI**  
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E: [office@rietjy.co.in](mailto:office@rietjy.co.in)

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

P: +919121214413



## Participation Certificate

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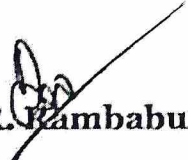
Mr./Mrs./Ms.


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

P: +919121214413



## Participation Certificate

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✓  
Mr./Mrs./Ms.

BOLLIDO TEJA

has participated in

A Two-Week Certification "AWS Fastrack Programme"

13/02/23 to 28/02/23

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

  
Dr. M. Muralikrishna  
Principal

  
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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 &  
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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 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)



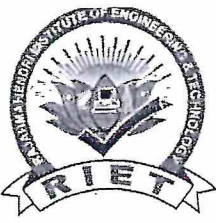


Date:24-02-2023

**PROGRAMSCHEDULE**

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

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



# RAJAMAHENDRI

## INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ 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

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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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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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RAJAMAHENDRAVARAM-533 107. E.G. Dist.

  
Coordinator



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

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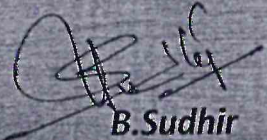
**Participation Certificate**

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

  
PRINCIPAL  
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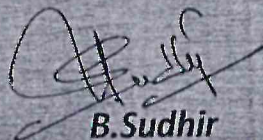
**Participation Certificate**

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

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