

# 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(3) Documents related to certificate programs for A.Y 2020-21**



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**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)



# 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@rietrajy.co.in Website: www.rietrajy.co.in Ph: +91 91212 14413

### List of Certificates/ Add on programs

Academic Year- 2020-21

S.No	Name of the Program	Duration of Course	No. of Participants
1.	A Two-Week Certificate Program on "Embedded Systems"	01-10-2020 to 17-10-2020	25
2.	A Two-Week Certificate Program on "Rapid Android App Development"	02-11-2020 to 14-11-2020	71
3.	A Two-Week Certificate Program on "Microwave Engineering"	07-12-2020 to 21-12-2020	36
4.	A Two Add-on Program on "Nano Fabrication"	21-12-2020 to 06-01-2020	102
5.	A Two-Week Certificate Program on "Robotics Technician Program for Automation Careers"	18-01-2021 to 30-01-2021	72
6.	A Two-Week Certificate Program on "Python and MongoDB Integration: Streamlining Data Management"	15-02-2021 to 27-02-2021	73
7.	A Two-Week Certificate Program on "Radar Systems"	01-03-2021 to 13-03-2021	74
8.	A Two Add-on Program on "Web Technologies"	15-3-2021 to 26-03-2021	68

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M. A. S. S.  
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BHOOPALAPATNAM.  
RAJAMAHENDRAVARAM-533 107. E.G. Dist.  
PRINCIPAL



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

eMail: office@rietrjy.co.in

Website: www.rietrjy.co.in

Ph: +91 91212 14413



Date:21-09-2020

### CIRCULAR

It is here by informed to all 4<sup>th</sup> B.Tech ECE A & B that is our college conducting A Two Week Certificate Program on “Embedded Systems” on 01<sup>st</sup> October 2020 to 17<sup>th</sup> October 2020. All the students give their names to coordinator listed below on or before 15<sup>th</sup> September 2020. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET.

Coordinator: K.Ravi kumar, Assistant Professor, Dept. of ECE,RIET.

Principal

(Dr. Mr.Murali Krishna)

Copy to: Secretary

Copy to :All HODs for circulation to Staff

Copy to: Admin. Office:

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

BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech. 1stYear				-----	
B.Tech.2ndYear				-----	-----
B.Tech. 3rdYear					-----
B.Tech.4thYear					-----
ALLHOD'S		V.Ravi kr			
	-----		-----		
I&AC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT.	LIBRARY	EXAM SECTION

## Organizing Committee

### Chief Patron

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

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

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Vice-Chairman, Swarnandhra Educational Society

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

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. R. Srinivas**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [cinu02@gmail.com](mailto:cinu02@gmail.com)

### Co-ordinator

**Mr. K. Ravi Kumar**

Assistant Professor,  
Department of Electronics and Communication Engineering

Mobile No: +91 9010885474

Email id: [ravikothapali222@gmail.com](mailto:ravikothapali222@gmail.com)

## A Two-Week Certificate Program on

# “EMBEDED SYSTEMS”

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

HOD



## A Two-Week Certificate Program on

# “EMBEDED SYSTEMS”

*Schedule:*

01/10/2020 to 17/10/2020

*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 were started with an intake of 60 in the year 2011. RIET has completed 12 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its tenth 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

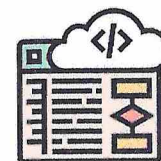
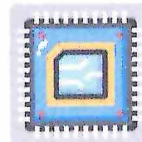
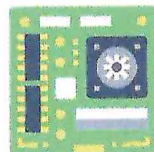
management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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 introduce the Building Blocks of Embedded System.
- To Educate in Various Embedded Development Strategies
- To Introduce Bus Communication in processors, Input/output interfacing.
- To impart knowledge in various processor scheduling algorithms.
- To introduce Basics of Real time operating system.

## Topics to be Covered

- Identify hardware and software components to build an embedded system
- Porting of OS on to ARM processor board.
- Demonstrate Deadlock situation in RTOS
- Demonstrate Inter-task communication methods in RTOS.

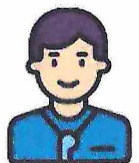
## Resource Person

**Mr. D. Vijay Harsha Vardhan**

Assistant Professor,  
Department of Electronics and  
Communication Engineering

Mobile No: +91 9885071850

Email id: [dasarivijay2003@gmail.com](mailto:dasarivijay2003@gmail.com)





Date:24-10-2020

**PROGRAMSCHEDULE**

Program Schedule for “A Two-Week Certificate Program on **EMBEDDED SYSTEMS**”

Duration	Program
Day1:01-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Introduction to Embedded Systems
Day2: 03-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Hardware/Firmware partitioning
Day3: 05-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Circuit Design
Day4: 06-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Circuit debugging
Day5: 07-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Firmware Architecture
Day6: 08-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Firmware Design
Day7: 09-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Firmware Debugging



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Day8: 12-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Circuit Layout
Day9: 13-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Development tools
Day10: 14-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Hardware Development
Day11: 15-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Testing & Debugging
Day12- Day13: 16-10-2020 to 17-10-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Iot Physical Devices and End Points ➤ Written Test

  
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## NAME OF THE PROGRAM : A Two Week Add on Program on Embedded systems STUDENTS LIST

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

M. Anitha  
Principal







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19	19MD1A0419	SATYAM GOUTHAMI	P	A	P	P	P	P	P	A	P	P	P	P	P
20	19MD1A0420	SIRIGINEEDI TINKU SURENDRA	P	P	P	P	P	A	P	P	P	P	P	P	P
21	19MD1A0421	UNDAVALLI DEVI PRUDHVIKA	P	P	P	P	P	P	P	P	P	P	P	P	P
22	19MD1A0422	VAIDYALINGAM VINAI KUMAR	A	A	A	A	A	A	A	A	A	A	A	A	A
23	19MD1A0424	VEMAGIRI SUSHMA	P	P	P	P	P	P	P	P	P	P	P	P	P
24	19MD1A0425	YERROJU J PUSHPALATHA	P	P	P	P	P	P	P	P	P	P	P	P	P
25	19MD1A0426	YERUBANDI VENKATESH	P	P	P	A	P	P	P	P	P	P	P	P	P

*M. Lakshmi*  
Principal

Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajamahendravaram-533107.  
E.G. Dist., (A.P)



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Date:20-10-2020

## PROGRAM REPORT

**Name and Title of the Program:** A Two Week Certificate Program On “Embedded Systems”

**Date & Duration:** 01-10-2020 to 17-10-2020 & 10:00 AM to 5:00 PM.

**Resource Person :** Mr. D. Vijay Harsha Vardhan, Assistant Professor, Dept of ECE ,RIET.

**Name of The Coordinator:** Mr. K. Ravi Kumar, Assistant Professor, Dept of ECE, RIET.

### **Objective of the program:**

1. To introduce the Building Blocks of Embedded System.
2. To Educate in Various Embedded Development Strategies.
3. To Introduce Bus Communication in processors, Input/output interfacing.
4. To impart knowledge in various processor scheduling algorithms.
5. To introduce Basics of Real time operating system and example tutorials to discuss on one real time operating system tool.

### **Outcomes Of The Program :**

1. Acquire a basic knowledge about fundamentals of microcontrollers
2. Acquire a basic knowledge about programming and system control to perform a specific task.
3. Acquire knowledge about devices and buses used in embedded networking Develop programming skills in embedded systems for various applications
4. Acquire knowledge about basic concepts of circuit emulators.
5. Acquire knowledge about Life cycle of embedded design and its testing.

**Number of students attended: 25**



### RESOURCE PERSON PROFILE

**Name of the Certificate Program: A Two-Week Certificate Program on “Embedded Systems”.**



He completed M.Tech in ECE at JNTUK, 8 years of excellent teaching skills in relevant subjects. His area of specialization is Embedded Systems and Good skills in “Embedded C”. 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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BHUPALAPATNAM, RAJAHMUNDRI -533 107, E.G. Dist.

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

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

P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. B. Indrani

*has participated in*

*An Add On Two-Week Certificate Program on "Embedded System"*

**01/10/2020 to 17/10/2020**

Mr. D. V. Harsha Vardhan  
HOD, Dept. of. ECE

Dr. M. Murali Krishna  
Principal

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

P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. Ch Ramya Sree

*has participated in*

*An Add On Two-Week Certificate Program on "Embedded System"*

**01/10/2020 to 17/10/2020**

Mr. D. V. Harsha Vardhan  
HOD, Dept. of. ECE

Dr. M. Murali Krishna  
Principal

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Date: 26-10-2020

**CIRCULAR**

It is here by informed to all IV B.Tech I-Sem CSE A & B students that our college conducting “A Two-Week Certificate Program on Rapid Android App Development” on 2<sup>nd</sup> November 2020 to 14<sup>th</sup> November 2020. All the students give their names to coordinator listed below on or before 31<sup>st</sup> October 2020. Hence all the students here by informed to attend the classes without fail.

**Venue:** Seminar Hall, RIET

**Coordinator:** Mrs. K.N.V.Ramya Devi, Assistant Professor, Dept. of CSE, RIET.

*M. Lsh*  
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
B.Tech. 1st Year	<i>JK</i>	<i>JK</i>				-----	
B.Tech. 2nd Year						-----	-----
B.Tech. 3rd Year							-----
B.Tech. 4thYear	<i>QQA</i>	<i>Rese</i>	<i>V. Ravi Kir</i>	<i>Qh</i>	<i>Q</i>	<i>So</i>	-----
ALL HOD'S	<i>JK</i>	<i>JK</i>	<i>V. Ravi Kir</i>	<i>Qh</i>	<i>Q</i>	<i>So</i>	<i>D. Ramya</i>
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT.	LIBRARY	EXAM SECTION		
<i>JK</i>	<i>Q</i>	<i>JK</i>	<i>Qh</i>	<i>Q</i>	<i>JK</i>	<i>JK</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

**Dr. R. Rambabu Reddy**

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

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

### Co-ordinator

**Mr. S. Narendra**

Assistant Professor,  
Department of Computer Science and Engineering

Mobile No: +91 8074609910

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

## A Two-Week Certificate Program on

# “Rapid Android App Development”

## 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

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## A Two-Week Certificate Program on

# “Rapid Android App Development”

*Schedule:*

*02-11-2020 to 14-11-2020*

*Venue: Seminar Hall*



Organized

by

Department of

Computer Science and Engineering

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AP, 533107.



## About the Institute

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

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch were started with an intake of 60 in the year 2011. RIET has completed 12 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its tenth 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



The Rapid Android App Development Certificate Program is a condensed and practical course designed for individuals with basic programming knowledge. It covers essential topics, including user interface design, Java programming, data handling, networking, and material design, providing hands-on experience and culminating in the development of a complete Android app. Successful participants receive a certificate to validate their Android app development skills. This program is ideal for those looking to quickly acquire the fundamentals of Android app development.

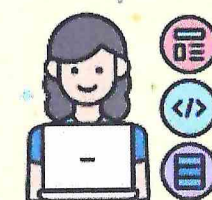
## Resource Person

**Mrs A. Josh Mary**

Assistant Professor,  
Department of Computer  
Science and Engineering

Mobile No: +91 9491191750

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





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Date: 29-10-2020

### PROGRAM SCHEDULE

Program Schedule for “A Two-Week Certificate Program on **Rapid Android App Development**”

Duration	Program
<b>Day1:</b> 02-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Introduction to Android Development:</b> <ul style="list-style-type: none"><li>➤ Introduction to Android platform and ecosystem.</li><li>➤ Installing Android Studio.</li><li>➤ Creating a "Hello, World!" Android app.</li></ul>
<b>Day2:</b> 03-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>User Interface (UI) Design:</b> <ul style="list-style-type: none"><li>➤ Basics of XML layout files.</li><li>➤ Designing UI elements using XML.</li><li>➤ Introduction to views, view groups, and XML attributes.</li></ul>
<b>Day3:</b> 04-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>UI Elements and Event Handling:</b> <ul style="list-style-type: none"><li>➤ Introduction to widgets (buttons, text views, etc.).</li><li>➤ Handling user interactions.</li><li>➤ Layouts and design principles.</li></ul>
<b>Day4:</b> 05-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Java Programming for Android:</b> <ul style="list-style-type: none"><li>➤ Variables, data types, and operators.</li><li>➤ Control structures (if-else, loops).</li><li>➤ Functions and method structure in Java.</li></ul>
<b>Day5:</b> 06-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Activities and Intents:</b> <ul style="list-style-type: none"><li>➤ Understanding Android activities and their lifecycle.</li><li>➤ Creating and navigating between activities.</li><li>➤ Passing data between activities using intents.</li></ul>
<b>Day6:</b> 07-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Data Storage and Permissions:</b> <ul style="list-style-type: none"><li>➤ Working with Shared Preferences for simple data storage.</li><li>➤ Introduction to SQLite database for structured data.</li><li>➤ Android permissions and handling security.</li></ul>
<b>Day7:</b> 09-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Networking and Web APIs:</b> <ul style="list-style-type: none"><li>➤ Making HTTP requests.</li><li>➤ Parsing JSON data from web APIs.</li><li>➤ Handling network responses and displaying data.</li></ul>
<b>Day8:</b> 10-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Working with Fragments:</b> <ul style="list-style-type: none"><li>➤ Introduction to Android fragments.</li><li>➤ Creating UI with fragments.</li><li>➤ Communicating between fragments and activities.</li></ul>



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<b>Day9:</b> 11-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Material Design and UI Styling:</b> <ul style="list-style-type: none"><li>➤ Material Design principles and guidelines.</li><li>➤ Implementing material design in Android apps.</li><li>➤ Customizing app themes and styling UI elements.</li></ul>
<b>Day10:</b> 12-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Deployment and Testing:</b> <ul style="list-style-type: none"><li>➤ Preparing an app for deployment.</li><li>➤ Debugging and testing on real devices.</li><li>➤ Overview of app distribution and marketing.</li></ul>
<b>Day11:</b> 13-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Final Project Work:</b> <ul style="list-style-type: none"><li>➤ Students work on a final Android app project.</li><li>➤ Instructor provides guidance and assistance.</li></ul>
<b>Day12:</b> 14-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	<b>Project Presentations and Graduation:</b> <ul style="list-style-type: none"><li>➤ Students present their final projects.</li><li>➤ Graduation and distribution of certificates.</li></ul>

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



NAME OF THE PROGRAM : A Two Week Certificate Program on Rapid Android App Development

### STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1	17MD1A0501	ALLAPALLI ALEKHYA	IV/I	A. Alekhya
2	17MD1A0502	BAISETTI HIMA BINDU	IV/I	B. Hima Bindu
3	17MD1A0503	BETHAPUDI SAI KALYANI	IV/I	B. Sai Kalyani
4	17MD1A0504	CHILUVURI VIJAYA MOUNIKA	IV/I	C. Vijaya Mounika
5	17MD1A0505	CHITTAJALLU LALITHA RANI	IV/I	C. Lalitha Rani
6	17MD1A0506	CHITTALA LAVANYA SATYA SURYA DURGA	IV/I	C.L.S.S DURGA.
7	17MD1A0507	CHUNDRU BHUMIKA	IV/I	C. Bhumika
8	17MD1A0508	CHUNDRU JHANSI LAKSHMI	IV/I	C. J. Lakshmi
9	17MD1A0509	CHUNDRU MOUNIKA	IV/I	C. Mounika
10	17MD1A0510	DANDU ATREYEE	IV/I	D. Atreyee
11	17MD1A0511	ELI K S R NAGA LAKSHMI	IV/I	K.N. Lakshmi
12	17MD1A0512	GOPISETTI SWETHA	IV/I	G. swetha
13	17MD1A0513	GRANDHI HARIKA	IV/I	G. Harika
14	17MD1A0514	JAHNAVI GANIVADA	IV/I	J. Ganivada
15	17MD1A0515	KAKARLA SUSHMITHA	IV/I	K. Sushmitha
16	17MD1A0516	KALEPU ANUSHA	IV/I	K. Anusha
17	17MD1A0517	KALLA VEERA VENKATA LAKSHMI	IV/I	K.V.V. Lakshmi
18	17MD1A0518	KANTIPUDI GREESHMA	IV/I	K. Greeshma.
19	17MD1A0519	KONDETI HARIKA	IV/I	K. Harika
20	17MD1A0520	KUNADHARAJU NEERAJA	IV/I	K. Neeraja
21	17MD1A0521	LANKA SANDHYA	IV/I	L. Sandhya
22	17MD1A0522	MADDI M V A SATYA DEVI	IV/I	M. MVA Satyadevi
23	17MD1A0523	MADDUKURI HARI CHANDANA DEVI	IV/I	M. H.C. Devi
24	17MD1A0524	MAKIREDDY NIHARIKA	IV/I	M.V. Devi



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25	17MD1A0525	MAMIDI MEHER MOUNIKA	IV   I	M.M.Mounika
26	17MD1A0526	MEDAPATI SATYA PRABHAJA	IV   I	M. Satya Prabhaja
27	17MD1A0527	MOHAMMED BASHEERUNNISA	IV   I	M. Basheerunika
28	17MD1A0528	NOORUNNISA BEGUM	IV   I	N. Begum
29	17MD1A0529	PALANGI CHATURYA SUDHA	IV   I	P. chaturya Sudha
30	17MD1A0530	PAPPALA PRIYANKA	IV   I	P. Priyanka
31	17MD1A0531	PEMMANABOINA THARALA DEVI	IV   I	P. T. DEVI
32	17MD1A0532	POLINA JAYA SAI SRIJA	IV   I	P.J.sai srija
33	17MD1A0533	PUREDLA SAI PADMA PRIYA	IV   I	P. S. P. PRIYA
34	17MD1A0534	RAYIPATI SIREESHA	IV   I	R. Sireesha
35	17MD1A0535	SAMPENGA S NAGA SHANMUKHA DURGA	IV   I	S. S. N. S Durga
36	17MD1A0536	SINGAMSETTY RAJA NANDINI	IV   I	S.R Nandini
37	17MD1A0537	SUNKAVALLI PAVANI DURGA	IV   I	S.R. Durga
38	17MD1A0538	THOTA RAVALI	IV   I	T. RAVALI.
39	17MD1A0539	THOTA SIRISHA	IV   I	T. SIRISHA
40	17MD1A0540	UNDAMATLA S LALITHA SUVARTHA RANI	IV   I	U.L.S. Rani
41	17MD1A0541	VAKALAPUDI SAI CHARISHMA	IV   I	V.S. Charishma
42	17MD1A0542	VALLABHANENI N SATYA VIJAYA BHARGAVI	IV   I	V. Bhargava
43	17MD1A0543	VALLABHANI LAKSHMI SOWJANYA	IV   I	V.L. Sowjanya
44	17MD1A0544	YALAMATI HARSHITHA	IV   I	Y. Harshittha
45	17MD1A0545	ALLA ABHINAYA	IV   I	A. Abhinaya
46	17MD1A0546	BANDARU RITHIN ANAND SACHIN	IV   I	B.Rithin Anand
47	17MD1A0547	BANKA SWATHI	IV   I	B. Swathi
48	17MD1A0548	BATHULA SUSHMA PRIYANKA	IV   I	B.S. Priyanka
49	17MD1A0549	BORUSU SATYA DHARMA TEJA	IV   I	B.S. D Teja
50	17MD1A0550	BOYI SATISH	IV   I	B. Satish
51	17MD1A0551	BUDIDA BHAVANA V VARA KEDHARNATH	IV   I	B.B.V.V. kedharnath
52	17MD1A0552	DASIREDDI SAI KISHORE	IV   I	D.S. Kishore
53	17MD1A0553	EDARA PHANINDRA SRI SURYA VAMSI	IV   I	E.P.S. S Vamsi P



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



54	17MD1A0554	GANDEPALLI RAM BABU	IV/I	G. Ram Babu
55	17MD1A0556	GOLUGURI ALEKHYA	IV/I	G. Alekhya
56	17MD1A0557	KAKARAPARTHI JOSEPHRAJU	IV/I	K. Joseph Raju
57	17MD1A0564	MANEPALLI NAGESWARA VAMSI KRISHNA	IV/I	M.N.V. Krishna
58	17MD1A0565	MATTA NAGESH	IV/I	M. Nagesh
59	17MD1A0566	MUPPURI ANIL KUMAR	IV/I	M. Anil Kumar
60	17MD1A0567	PADAM SATYA SREE	IV/I	P.S. Sree
61	17MD1A0568	PALADUGULA GNANA SRI DEVI	IV/I	P.G. Sri Devi
62	17MD1A0570	POLINA VENKATA DURGA SAI RAVI TEJA	IV/I	P.V.D.S.R. Teja
63	17MD1A0571	PRATTIPATI SAIRAM	IV/I	P. Sairam
64	17MD1A0572	PRIYA CHOWDARY	IV/I	P. Chowdary
65	17MD1A0573	ROTTA EMMANUAL	IV/I	P. Chowdary
66	17MD1A0574	RUDRARAJU KONDARAJU	IV/I	R. Kondaraju
67	17MD1A0576	SHEIK SUBHAN	IV/I	S. Subhan
68	17MD1A0577	SUNKARA GEETHA TRIVENI	IV/I	S. Geetha Triveni
69	17MD1A0578	TAMALAMPUDI BABY SRAVANTHI	IV/I	T.B. Sravanthi
70	17MD1A0579	UPPULURI SRINIVAS	IV/I	U. Srinivas
71	17MD1A0580	VAGDEVI VENTRAPATI	IV/I	V. Ventrapati

M. Ash  
Principal

Rajamahendri Institute of Engineering & Technology  
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65	17MD1A0573	ROTTA EMMANUAL	P	P	P	P	P	P	P	P	P	P	P	P
66	17MD1A0574	RUDRARAJU KONDARAJU	P	P	P	P	P	P	P	P	P	P	P	P
67	17MD1A0576	SHEIK SUBHAN	P	P	P	P	P	P	P	P	P	P	P	P
68	17MD1A0577	SUNKARA GEETHA TRIVENI	P	P	P	A	P	P	P	P	P	P	P	P
69	17MD1A0578	TAMALAMPUDI BABY SRAVANTHI	P	P	P	P	P	P	P	P	P	P	P	P
70	17MD1A0579	UPPULURI SRINIVAS	P	P	P	P	P	P	P	P	P	P	P	P
71	17MD1A0580	VAGDEVI VENTRAPATI	P	P	P	P	P	P	P	P	P	P	P	P

H.La  
Principal  
Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajamahendravaram-533 107  
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Date:19-11-2020

### PROGRAM REPORT

**Name and Title of the Program: "A Two-Week Certificate Program on Rapid Android App Development"**

**Course of Duration:** 02-11-2020 to 14-11-2020

**Objectives of the Program:**

The objectives of rapid Android app development are to provide students with a condensed yet comprehensive education in Android development. This includes understanding user interface design, Java programming, activities, data storage, networking, and material design. The course emphasizes hands-on learning, encourages students to build a final project, and concludes with project presentations and graduation. The aim is to equip students with the fundamental skills to quickly create functional Android apps.

**Out Comes of the Program:**

The outcomes of a rapid Android app development course include students gaining proficiency in basic Android development, user interface design, Java programming, activity and intent management, data handling, networking, fragments, material design, app deployment and testing, and project development. Students also receive certificates upon successful course completion, marking their competence in rapid Android app development.

**No. of Participants:** 71



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### RESOURCE PERSON PROFILE

**Name of the Certificate Program:** A Two-Week Certificate Program on “Rapid Android App Development”



**Name of the Resource Person:** Mrs. A. Josh Mary

She was completed M.Tech in Information Technology at JNTUK, 10 years of excellent teaching skills in relevant subjects. Her area of specialization is Operating Systems and Good skills in Programming Languages. Senior Faculty as an Assistant Professor in the Computer Science and Engineering Department is a distinguished position that encompasses advanced teaching, significant research contributions, and leadership within the academic community.

*K. N. V. Ramya Devi*  
Coordinator

*[Signature]*  
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## Participation Certificate

This is certify that


Mr./Mrs./Ms.


BOYI SATISH

has participated in

A Two-Week Certificate on "Rapid Android App Development"

02/11/20 to 14/11/20

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

  
Dr. M. Murali Krishna  
Principal

  
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**Participation Certificate**

This is certify that


Mr./Mrs./Ms.


GOPISETTI SWETHA


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02/11/20 to 14/11/20

  
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HOD, Dept. of. CSE

  
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Principal

  
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Date: 26-11-2020

### CIRCULAR

It is here by informed to all IV B.Tech I-Sem ECE A & B students that our college conducting **A Two-Week Certificate Program on "Micro Wave Engineering"** on 7<sup>th</sup> December 2020 to 21<sup>st</sup> December 2020. All the students give their names to coordinator listed below on or before 2<sup>nd</sup> December 2020. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Mr. P. Venkata Ratnam, Assistant Professor, Dept. Of ECE, RIET.

  
Principal

(Dr. M. Murali Krishna)


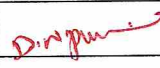

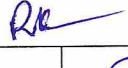







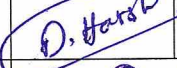








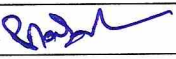


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B.Tech.2nd Year				-----	-----
B.Tech.3rdYear					
B.Tech.4thYear					
ALLHOD'S		V. Ravi Kumar		-----	
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT.	LIBRARY	EXAM SECTION
					

## 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

**Mr. R. Srinivas**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [cinu02@gmail.com](mailto:cinu02@gmail.com)

### Co-ordinator

**Mr. P. Venkata Ratnam**

Associate Professor,  
Department of Electronics and Communication Engineering

Mobile No: +91 9848791413

Email id: [ratnamraj08@gmail.com](mailto:ratnamraj08@gmail.com)

## A Two-Week Certificate Program on

# “MICROWAVE ENGINEERING” REGISTRATION FORM

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

Date:  
Station:

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

HOD



## A Two-Week Certificate Program on

# “MICROWAVE ENGINEERING”

*Schedule:*

**07/12/2020 to 21/12/2020**

*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

Rajahmendri 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.

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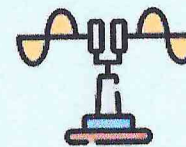
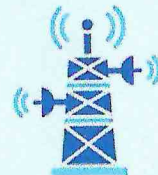
look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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



- An understanding of microwave wave guides, passive & active devices tubes and network analysis.
- An ability to design microwave matching networks.
- An ability to perform microwave measurements.
- An understanding of Microwave measurements

## Topics to be Covered

- Review of Transmission lines
- Wave guides
- Microwave networks:
- Microwave passive circuits
- Microwave tubes
- Microwave measurements

## Resource Person

**Mrs. D. Jyothi**

Assistant Professor,  
Department of Electronics and  
Communication Engineering

Mobile No: +91 9059969960

Email id: [jyothi.murali2719@gmail.com](mailto:jyothi.murali2719@gmail.com)





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



Date:29-11-2020

### PROGRAMSCHEDULE

Program Schedule for “A Two-Week Certificate Program on “Micro Wave Engineering”

Duration	Program
<b>Day1:</b> 07-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Introduction To Micro Wave Engineering and Transmission Line
<b>Day2:</b> 08-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Rectangular circular ➤ Wave guides
<b>Day3:</b> 09-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Microwave networks ➤ Scattering matrix
<b>Day4:</b> 10-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Impedance matching
<b>Day5:</b> 11-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Micro wave resonators
<b>Day6:</b> 12-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Power divider ➤ Directional couplers & filters
<b>Day7:</b> 14-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Micro wave Semiconductor Devices
<b>Day8:</b> 15-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Microwave Amplifiers ➤ Oscillators ➤ Communicating between fragments and activities.
<b>Day9:</b> 16-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Microwave tubes



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<b>Day10:</b> 17-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Ferrite devices
<b>Day11:</b> 18-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Introduction to microwave Integrated Circuits(MIC)
<b>Day12:</b> 19-11-2020 09:30AM-12:50PM 01:30PM-03:50PM	➤ Microwave Communication Systems and Other Applications areas

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



## NAME OF THE PROGRAM : A Two Week Add on Program on Microwave Engineering STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1	18MD1A0401	AKULA DIVYA	III/I	A. Divya.
2	18MD1A0402	BALLA N V VENKATA NAGA PAVANI	III/I	B.nu Venkata naga Pavani
3	18MD1A0403	BITRA SARVANI	III/I	B. SARVANI
4	18MD1A0404	BUDDIGA SAI TEJASWINI	III/I	B. S. Teja
5	18MD1A0405	BULAGANI V S PRAPUL NAIDU	III/I	B.V.S.P. NAIDU.
6	18MD1A0406	CHELAMASETTI NANI	III/I	C. Nani
7	18MD1A0407	CHINTA NARENDRA VIJAYESWAR	III/I	C.N. vijayeswar
8	18MD1A0408	CHINTA V N DURGA TARUN	III/I	C DURGA tarun
9	18MD1A0409	DASARI JAGADISH	III/I	D. jagadish
10	18MD1A0411	DUGGIRALA LAKSHMI PRASUNA	III/I	D. lakshmi prasuna
11	18MD1A0413	EATHAKOTI PRARDHANA	III/I	E. Prardhana
12	18MD1A0414	GEDDAM SINDHUJA	III/I	G. Sindhuja
13	18MD1A0415	GIRITHURI PRASANTHI	III/I	G. Prasanthi
14	18MD1A0416	GUBBALA NAVYA SRI	III/I	G. Navya Sri
15	18MD1A0417	GUTHULA SATYA RAJESH	III/I	G. S. Rajesh
16	18MD1A0418	JANNAVARAPU BHUVANA SANTHI	III/I	J. Santhi
17	18MD1A0419	JILLELLA UJWAL	III/I	J. UJWAL
18	18MD1A0420	KADIYALA ARAVIND	III/I	k. Aravind
19	18MD1A0422	KASSEY DEEPIKA	III/I	k. Aravind
20	18MD1A0423	KETHAMALLA Y V RAM KUMAR	III/I	Ram Kumar
21	18MD1A0424	KHANDAVALLI M MANGATAYARU	III/I	R. Mangatayaru
22	18MD1A0425	LALAM SAHITHI	III/I	L. Sahithi
23	18MD1A0426	MADDUKURI BHAVANA CHOWDARY	III/I	M. Bhavana chow
24	18MD1A0427	MANTHENA SIVA RAMA RAJU	III/I	M. siva Ramaraju
25	18MD1A0428	MEGHAM SA S ANIRUDH BABA	III/I	M. SASS ANIRUDH



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26	18MD1A0429	MEKA RITWICK	III   I	M. Ritwick
27	18MD1A0430	MUPPIDI SIRISHA	III   I	M. Sirisha
28	18MD1A0431	NAGABHATLA GAJA SAI LALITHA	III   I	N. G. Lalitha
29	18MD1A0433	NEBARTHI SUDHA PRIYA	III   I	N. Sudha Priya
30	18MD1A0434	NERELLA VAMSI SIVA KUMAR	III   I	N. Vamsi
31	18MD1A0435	OLETI VEERA DURGARAMASUDHEER	III   I	O.V.D.R. SUNDHEER
32	18MD1A0436	PALLALA HAVANI KRISHNA T REDDY	III   I	P. HAVANI KRISHNA REDDY
33	18MD1A0437	PRAGALLAPATI V G CH SEKHA	III   I	P. Sekha
34	18MD1A0438	THALLURI NAGA SITA MAHALAKSHMI	III   I	T. N. S. Lakshmi
35	18MD1A0439	TULASI KAMESWARI VYSHNAVI DEVI	III   I	T. K. V. Devi
36	18MD1A0440	VASAMSETTI GEETHA SOWMYA	III   I	V. Geetha Sowmya

*H. Lakshmi*  
Principal  
Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajamahendravaram-533107  
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19	18MD1A0422	KASSEY DEEPIKA	P	P	P	P	P	P	P	P	P	P	P	P
20	18MD1A0423	KETHAMALLA Y V RAM KUMAR	P	P	P	A	P	P	P	A	P	P	P	P
21	18MD1A0424	KHANDAVALLI M MANGATAYARU	P	P	P	P	P	P	P	P	P	P	P	P
22	18MD1A0425	LALAM SAHITHI	P	P	P	P	A	P	P	P	P	P	P	P
23	18MD1A0426	MADDUKURI BHAVANA CHOWDARY	P	P	P	P	P	P	P	P	P	P	P	P
24	18MD1A0427	MANTHENA SIVA RAMA RAJU	P	P	P	P	P	P	P	P	P	P	P	P
25	18MD1A0428	MEGHAM SA S S ANIRUDH BABA	P	P	P	P	P	P	P	P	P	P	P	P
26	18MD1A0429	MEKA RITWICK	P	P	P	P	P	P	P	P	P	P	P	P
27	18MD1A0430	MUPPIDI SIRISHA	P	P	P	P	P	P	A	P	P	P	P	P
28	18MD1A0431	NAGABHATLA GAJA SAI LALITHA	P	P	P	P	P	P	P	P	P	P	P	P
29	18MD1A0433	NEBARTHI SUDHA PRIYA	P	P	P	P	P	P	P	P	P	P	P	P
30	18MD1A0434	NERELLA VAMSI SIVA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
31	18MD1A0435	OLETI VEERA DURGARAMASUDHEER	P	P	P	P	P	P	P	P	P	P	P	P
32	18MD1A0436	PALLALA HAVANI KRISHNA T REDDY	P	P	P	P	P	P	P	P	P	P	P	P
33	18MD1A0437	PRAGALLAPATI V G CH SEKHAR	P	P	P	P	P	P	P	P	P	P	P	P
34	18MD1A0438	THALLURI NAGA SITA MAHALAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P
35	18MD1A0439	TULASI KAMESWARI VYSHNAVI DEVI	P	P	P	P	P	P	P	P	P	P	P	P
36	18MD1A0440	VASAMSETTI GEETHA SOWMYA	A	A	A	A	A	A	A	A	A	A	A	A

  
Principal

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



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



Date : 25-11-2020

### PROGRAM REPORT

**Name and Title of the Program:** A Two-Week Certificate Program on “Micro Wave Engineering”

**Duration & Time :** 07-12-2020 to 19-12-2020 & 10.00 AM to 5.00 PM

**Resource Person:** Ms. D. Jyothi, Assistant Professor, Dept of ECE, RIET.

**Name of The Coordinator:** Mr.P.Venkata Ratnam ,Assistant Professor , Dept of ECE, RIET

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

1. An understanding of microwave waveguides, passive & active devices, tubes and network analysis.
2. An ability to design microwave matching networks.
3. An ability to perform microwave measurements.
4. An understanding of RADARs and its applications

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

1. Explain different types of waveguides and their respective modes of propagation.
2. Analyze typical microwave networks using impedance, admittance, transmission and scattering matrix
3. Design microwave matching networks using L section, single and double stub and quarter wave
4. Explain working of microwave passive circuits such as isolator, circulator, Directional couplers, attenuators etc.
5. Describe and explain working of microwave tubes and solid state devices.
6. Perform measurements on microwave devices and networks using power meter and VNA.

**No. of Participants:** 36





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### RESOURCE PERSON PROFILE

**Name of the Certificate Program: A Two-Week Certificate Program on “Micro Wave Engineering”**



**Name of the Resource Person: Ms. D. Jyothi**

She completed M.Tech in ECE at JNTUK, 6 years of excellent teaching skills in relevant subjects. Her area of specialization on Micro wave Engineering and Best Knowledge 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.

**Coordinator**

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

P: +91 9121214413

## Participation Certificate

This is to certify that

Mr./Mrs./Ms. BITRA. SARVANI

has participated in

A Two Week Certificate Program on "Micro Wave Engineering"

07/12/2020 to 21/12/2020

Mr. D. V. Harsha Vardhan  
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. D. LAKSHMI PRASUNA

*has participated in*

*A Two Week Certificate Program on "Micro Wave Engineering"*

**07/12/2020 to 21/12/2020**

Mr. D. V. Harsha Vardhan  
HOD, Dept.of. ECE

Dr. M. Murali Krishna  
Principal



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Date:08-12-2020

### CIRCULAR

It is here by informed to all IV B.Tech I SEM Mechanical Engineering that our college conducting "Two Week Certificate Program on NANO FABRICATION" from 21-12-2020 to 06-01-2021. All the students give their names to coordinator listed below on or before 09<sup>th</sup> December 2020. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Mr.G.Satya Sai, Assistant Professor, Dept. of Mech, RIET.

*M. Murali Krishna*  
Principal

(Dr M.Murali Krishna)

Copyto: Secretary

Copyto: All HODs for circulation to Staff

Copy to: Admin. Office

Copyto: Library

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

BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech.1stYear				-----	
B.Tech.2ndYear				-----	-----
B.Tech.3rdYear	<i>YL</i>	<i>YL</i>			-----
B.Tech. 4thYear	<i>YL</i>				-----
ALLHOD'S	<i>Das</i>	<i>V. Bairikumar</i>	<i>Deep</i>	<i>Das</i>	<i>P. Prasad</i>
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT.	LIBRARY	EXAM SECTION
<i>Das</i>	<i>Das</i>	<i>g</i>	<i>Prasad</i>	<i>Das</i>	<i>YL</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

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Vice-Chairman, Swarnandhra Educational Society

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

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. P. Atcha Rao**

Associate Professor  
Department of Mechanical Engineering  
Email id: [pacharao.666@gmail.com](mailto:pacharao.666@gmail.com)

### Coordinator

**Mr. G. Satya Sai**

Assistant Professor  
Department of Mechanical Engineering  
Mobile No: +91 970344618  
Email id: [satyagrahy.0029@gmail.com](mailto:satyagrahy.0029@gmail.com)

## A Two-Week Certificate Program on

# “NANO FABRICATION”

## 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 “NANO FABRICATION”

*Schedule:*

21/12/2020 to 06/01/2021



Organized  
by  
Department of

**MECHANICAL ENGINEERING**  
**RAJAMAHENDRI**  
**INSTITUTE OF ENGINEERING &  
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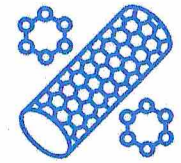
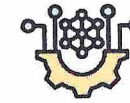
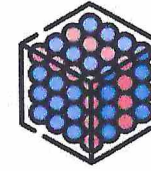
infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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, mettargly 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



The program is intended as a platform for sharing knowledge and expertise in Nano science and Nanotechnology with researchers and professionals from neighbouring countries so that they will be able to initiate R&D work. oratories - will be arranged for participants. These various interactions can catalyse collaborations with Indian labs as well as among the participants. To conduct workshops for dissemination of knowledge in the field of Nano electronics To impart hands-on training in Nano electronics to researchers from different countries. To assist researchers from these countries with initiation of their research projects in Nano electronics by enabling their execution To provide a platform for researchers in Nano electronics to come together and benefit from complementary expertise.

## Resource Person

**Mr. V. Ravi Kumar**

Associate Professor

Head of the Mechanical Department

Mobile no. : +91 9885406640

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






Date:18-12-2020

**PROGRAM SCHEDULE**

Program Schedule for “A Two Week Add-on Program on NANO FABRICATION”

Duration	Program
<b>Day1:</b> 21-12-2020 10:00AM-12:40PM 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Introduction to the Nano Technology</li><li>• History of Nano technology</li><li>• Advanced Nano technology</li></ul>
<b>Day2:</b> 22-12-2020 10:00AM-12:40 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Nano Materials</li><li>• General applications</li><li>• Nano Technology in aerospace</li></ul>
<b>Day3:</b> 23-12-2020 10:00AM-12:40 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Nano Technology in aerospace</li></ul>
<b>Day4:</b> 24-12-2020 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Microstructure</li></ul>
<b>Day5:</b> 26-1-2020 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Unique properties of nano materials</li></ul>
<b>Day6:</b> 28-12-2020 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Synthesis of routes</li><li>• Top down approaches</li></ul>
<b>Day7:</b> 29-12-2020 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Tools to characterize nano materials</li></ul>
<b>Day8:</b> : 30-12-2020 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• STM, FEM,3DAP</li></ul>
<b>Day9:</b> 31-12-2020 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Advantages and disadvantages of nano materials</li></ul>
<b>Day10:</b> 2-1-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"><li>• Applications of nano materials</li></ul>

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



NAME OF THE PROGRAM : A TWO WEEK CERTIFICATE PROGRAM ON NANO FABRICATION

### STUDENTS LIST

S.NO	REGD.NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1	17MD5A0301	AKULA KARTHIK	IV-I	A. Kartik
2	17MD5A0302	AYINAMPUDI SRINIVASU	IV-I	A. Srinivasu
3	17MD5A0303	CHINTA HIMA VAMSY	IV-I	C.H. Vamsy
4	17MD5A0304	DEVARAPALLI RAMAKRISHNA	IV-I	D.R. Krishna
5	17MD5A0305	DOWLURI SATYA MOHAN	IV-I	D. Satya mohan
6	17MD5A0306	GORRELA NAGARJUNA	IV-I	G. Nagarjuna
7	17MD5A0307	KAMISSETTI BHARATH RAJESH	IV-I	K.B. Rajesh
8	17MD5A0308	KASIREDDY SURESH	IV-I	K. Suresh
9	17MD5A0309	KONDEBATHULA VENKATESH	IV-I	K. Venkatesh
10	17MD5A0310	KOSINTI VEERENDRA	IV-I	K. veerendra
11	17MD5A0311	LAVETI SURESH GOPI	IV-I	K. Veerendra
12	17MD5A0312	MARISSETTI BABJI	IV-I	M. Babji
13	17MD5A0313	MEESALA NAVEEN ASEERWAD	IV-I	M. Naveen Aseerwad
14	17MD5A0314	MEESALA PRAVEEN	IV-I	M. Praveen
15	17MD5A0315	NURUKURTHI TRILOK	IV-I	N. Trilok
16	17MD5A0316	PATNALA CHANDRA MOULI	IV-I	P.C. mouli
17	17MD5A0317	PIKKILI KASHI BABU	IV-I	P. KASHI BABU
18	17MD5A0318	PUCHALA RAMA BRAHMAJI	IV-I	P.R. Brahmasi
19	17MD5A0319	PULLURI PRUDHVI RAJESH	IV-I	P-P Rajesh.
20	17MD5A0320	ROKKAM KALYAN	IV-I	P. Kalyan
21	17MD5A0321	TALLURI KRISHNA GANESH	IV-I	T.K. Ganesh
22	17MD5A0322	THUMMAGUNTA HAREESH	IV-I	T. Hareesh
23	17MD5A0323	VANAPALLI VAMSIKRISHNA	IV-I	V. vamsikrishna
24	17MD5A0324	VETSHA JYOTHI SWAROOP	IV-I	V.J. Swaroop.
25	17MD5A0325	YATLA SATHISH KUMAR	IV-I	Y.S. Sathish kumar





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



26	17MD5A0326	YENNETI ANIL KUMAR	IV-I	Y. A. Kumar
27	17MD5A0327	YEPURI VENKATA MANIKANTA	IV-I	Y. V. Manikanta
28	17MD1A0301	AFRIDI ANSARI	IV-I	A. Ansari
29	17MD1A0302	ARE RAKESH	IV-I	A. Rakesh
30	17MD1A0303	BEESAPU SAI PRAVEEN	IV-I	B. S. Praveen
31	17MD1A0304	BHUSHANAMENI DURGA PRASAD	IV-I	B. D. Prasad
32	17MD1A0305	CHAKRALA VENKATA DURGA PRASAD	IV-I	C. V. D Prasad
33	17MD1A0306	CHALLANGI SIVA RAMA KRISHNA	IV-I	Ch. R. Krishna
34	17MD1A0307	CHIKKALA SAI SWAMY	IV-I	C. Swamy.
35	17MD1A0308	GADA NAGASAI	IV-I	G. Naga Sai
36	17MD1A0310	GARAGALA PRAVEEN	IV-I	G. Praveen
37	17MD1A0311	GARRE SRINIVAS	IV-I	G. Srinivas
38	17MD1A0312	GOSULA SOMA SEKHAR	IV-I	G. Somasekhara
39	17MD1A0313	JALLEPALLI RAMESH	IV-I	J. Ramesh.
40	17MD1A0314	KALABATHULA JOY RAVI KIRAN	IV-I	K. Ravikiran
41	17MD1A0315	KALEPU RAJESH	IV-I	K. Rajesh
42	17MD1A0316	KARUMUJJI SAI SRINIVAS	IV-I	K. S. Srinivas
43	17MD1A0317	KETHA NIKESH	IV-I	K. Nikesh
44	17MD1A0318	KILAPARTHY SRAVANI	IV-I	K. N. Kesh.
45	17MD1A0319	KOTI MANIDEEP	IV-I	K. Manideep
46	17MD1A0320	KOYYA VENKATA BHUVANA TEJA	IV-I	K. V. B. Teja
47	17MD1A0321	MADDI HARI VENKATA ARJUN REDDY	IV-I	M. H. V. Arjun Reddy
48	17MD1A0322	MARNI VEERA V SATYANARAYANA	IV-I	M. V. V. S. Rayana
49	17MD1A0323	MENEDDI SATISH	IV-I	M. Sathish
50	17MD1A0324	PARAMATA PRASAD	IV-II	P. Prasad
51	17MD1A0325	PONNADA MAHESH	IV-I	P. Mahesh
52	17MD1A0326	RAPAKA RAMESH BABU	IV-I	R. R. Babu
53	17MD1A0328	RUDRAM DHARMAJI	IV-I	R. D. Dharmaji
54	17MD1A0329	THOTAPALLI VENKATA AKHIL	IV-I	T. V. Akhil



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55	17MD1A0330	YELURI SAI KIRAN	IV-I	Y. Sai Kiran
56	18MD5A0301	ABDUL BASHEER	IV-I	Abheer
57	18MD5A0302	BARLA RAMESH	IV-I	B. Ramesh
58	18MD5A0303	BATTINA DURGA VEERA V PRASAD	IV-I	B. Prasad.
59	18MD5A0304	BUDAMPARTHI R GOWRISWEAR	IV-I	B. Gowriswear.
60	18MD5A0305	CHOKKAPU MAHESH	IV-I	C. Mahesh.
61	18MD5A0306	JANA AKASH	IV-I	J. Akash
62	18MD5A0307	KADULURI VENKATA RAMANA	IV-I	K.V. Ramana
63	18MD5A0308	KAMIREDDY SAI VINAY	IV-I	K.S. Vinay
64	18MD5A0309	KILANI KUSUMA SHIVANI	IV-I	K. Kusuma
65	18MD5A0310	KILANI LALITHA BHAVANI	IV-I	Lalitha Bhavani
66	18MD5A0311	KUSETTI SHANMUK SAIDEVESH	IV-I	M. MANISHA
67	18MD5A0312	MEDAPATI MANISHA	IV-I	M. Manisha
68	18MD5A0313	MOHAMMED MOZAMIL	IV-I	M. Mozamil:
69	18MD5A0314	MULAGA SAINADH	IV-I	M. Sainadh.
70	18MD5A0315	NILUROTHI RAJESH	IV-I	N. RAJESH
71	18MD5A0316	NIMMAKAYALA VAMSI KRISHNA	IV-I	N. ram si
72	18MD5A0317	NULU USHA KIRAN	IV-I	N.U. KIRAN
73	18MD5A0319	PAPPU GANESH	IV-I	P. Ganesh
74	18MD5A0321	SEERAPU YUVA S N REDDY	IV-I	S.Y.S.N.Reddy
75	18MD5A0322	SHAIK LAL THAYYAB ALI	IV-I	Shaik. Ali
76	18MD5A0323	SIRIPURAPU CHARAN ROHITH	IV-I	S.C. Rohith
77	18MD5A0324	SOMANA TEJA V E NARASIMHA	IV-I	S.T.V. E. Narasimha
78	18MD5A0325	TAANALA DINESH	IV-I	T. Dinesh
79	18MD5A0326	UPADRASHTA S KAMESWARA RAO	IV-I	U. kameswara rao
80	18MD5A0327	V V V PHANEENDRA BABU	IV-I	V.V.V. Babu
81	18MD5A0328	VENNAPU PREM KUMAR	IV-I	V. Prem Kumar
82	18MD1A0301	ABHILASH BADDE	IV-I	Abhilash
83	18MD1A0302	BOGAVALLI V V S DURGA RAO	IV-I	B. Durgarao



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



84	18MD1A0303	CHANDRAMALLA RAJESH	III-I	C. Rajesh
85	18MD1A0304	CHIGURUPALLI SUDHEER KUMAR	III-I	C. sudheerku
86	18MD1A0305	CHOLLANGI YASWANTH	III-I	C. yaswanth
87	18MD1A0306	GANISETTI RAJESH	III-I	Gr. Rajesh
88	18MD1A0307	JAKKANA VEERA MANIKANTA	III-I	J.V. Manikanta
89	18MD1A0308	KANDULA VENKAT KARUN	III-I	K. Venkat Karuna
90	18MD1A0309	KANURI GANGANNA SWAMY	III-I	K. G. Swamy
91	18MD1A0310	KAVULURI SATISH CHANDRA	III-I	k. s. chandra
92	18MD1A0311	MIRAPA ANAND KUMAR	III-I	M. Anand Kumar
93	18MD1A0312	PEDDEHAPU SIVAJI	III-I	P. Sivaji
94	18MD1A0313	PENTAKOTA DURGA SAI KIRAN	III-I	P. D. S. Kiran
95	18MD1A0314	POLUGUMATI VIVEK	III-I	P. vivek
96	18MD1A0315	RAMIREDDY LAKSHMI N REDDY	III-I	R. Lakshmi
97	18MD1A0316	SADE VAMSI	III-I	S. Vamsi
98	18MD1A0318	VARA GOWTHAMKUMAR	III-I	V. Gowthamkumar
99	19MD5A0301	ALLA RAJA	III-I	A. Raja
100	19MD5A0302	DWARAMPUDI RAJKUMAR	III-I	D. R. Kumar
101	19MD5A0303	GEDDAM GNANADEEP	III-I	Gr. Gnanadeep
102	19MD5A0304	GUMMADI SAI VIMAL	III-I	G. S. VIMAL

*M. An*  
Principal  
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eMail: office@rietjy.co.in Website: www.rietjy.co.in Ph: +91 91212 14413



88	18MD1A0307	JAKKANA VEERA MANIKANTA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
89	18MD1A0308	KANDULA VENKAT KARUN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
90	18MD1A0309	KANURI GANGANNA SWAMY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
91	18MD1A0310	KAVULURI SATISH CHANDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
92	18MD1A0311	MIRAPA ANAND KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
93	18MD1A0312	PEDDEHAPU SIVAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
94	18MD1A0313	PENTAKOTA DURGA SAI KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
95	18MD1A0314	POLUGUMATI VIVEK	P	P	P	P	P	P	P	P	P	P	P	P	P	P
96	18MD1A0315	RAMIREDDY LAKSHMI N REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
97	18MD1A0316	SADE VAMSI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
98	18MD1A0318	VARA GOWTHAMKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
99	19MD5A0301	ALLA RAJA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
100	19MD5A0302	DWARAMPUDI RAJKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	19MD5A0303	GEDDAM GNANADEEP	P	P	P	P	P	P	P	P	P	P	P	P	P	P
102	19MD5A0304	GUMMADI SAI VIMAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P

M. S. S.

Principal

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



Date:08-01-2021

### PROGRAM REPORT

**Name of the Event: A Two-Week Add-on Program On “NANO FABRICATION”**

**Date&Duration:** 21-12-2020 to 06-01-2021, 10:00 AM to 5:00 PM.

#### **Objectives Event:**

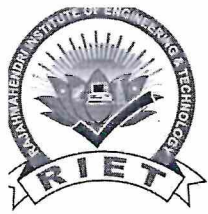
- To conduct workshops for dissemination of knowledge in the field of Nano electronics
- To impart ands-on training in Nano electronic store searchers from different countries.
- To assist researchers from these countries with initiation of their research projects in Nano electronics by enabling their execution
- To provide a platform for researchers in Nano electronics to come together and benefit from complementary expertise

#### **Outcomes of the event:**

After attending the certificate program students will be able to

- Understand the basics, various types, Processes and Applications involved in the 3D Printing/Additive Manufacturing.
- Nano materials importance and availability of nano materials.
- About structure of nano materials.
- Familiarity with working principles, tools and techniques in the field of nano materials.
- Understanding of strengths, limitations and potential uses of nano materials.

**Number of students attend:**102



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



### RESOURCE PERSON PROFILE

Name of the resource person: Mr. V Ravi Kumar



Dr. V Ravi Kumar is the Head of Mechanical Engineering Department in Rajamahendri Institute of Engineering and Technology, Rajamahendravaram. He is a well known Associate Professor in Mechanical Engineering, Having more than 14 years of experience in teaching and industry. His is university topper in B.Tech and Completed his M.Tech at Jntuk, University, Kakinada. He is Visionary Senior Educational Manager, Administrator, researcher and academician. He brought some structural reforms so that the Mechanical Department and Institute gets recognized as a corporate social responsible one. Good placement record is created for Mechanical Department. Entrepreneurship was highly encouraged.

  
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CO-ORDINATOR



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

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

P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. PAPPU GANESH

*Has participated in*

A Two Week Program On “NANO FABRICATION”

21/12/2020 to 06/01/2021

*V. Ravi Kumar*

Mr. V. Ravi Kumar  
HOD, Dept. of. Mech

*M. Murali Krishna*

Dr. M. Murali Krishna  
Principal

Principal  
RAJAMAHENDRI  
INSTITUTE OF ENGINEERING TECHNOLOGY  
BHUPALAPATNAM.  
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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. JANA AKASH

*Has participated in*

A Two Week Program On "NANO FABRICATION"

21/12/2020 to 06/01/2021

*V. Ravi Kumar*

Mr. V. Ravi Kumar  
HOD, Dept. of. Mech

*M. Murali Krishna*

Dr. M. Murali Krishna  
Principal



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eMail: office@rietrjy.co.in

Website: www.rietrjy.co.in

Ph: +91 91212 14413



Date: 07-01-2021

### CIRCULAR

It is here by informed to all III B.Tech II-Sem CSE A & B students that our college conducting "A Two-Week Program on Certified Robotics Technician Program for Automation Careers" on 18<sup>th</sup> January 2021 to 30<sup>th</sup> January 2021. All the students give their names to coordinator listed below on or before 18<sup>th</sup> January 2021. Hence all the students here by informed to attend the classes without fail.

**Venue:** Seminar Hall, RIET

**Coordinator:** Mrs G. Swarna Latha, Associate Professor, RIET

*M. Murali Krishna*  
Principal

(Dr M. Murali Krishna)

Copy to: Secretary

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**BHOOPALAPATNAM.**  
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BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech. 1st Year	<i>JK</i>	<i>JK</i>		----	
B.Tech. 2nd Year				-----	-----
B.Tech. 3rd Year	<i>J</i>	<i>Peelo</i>	<i>Ch</i>	<i>S</i>	-----
B.Tech. 4th Year		<i>V. Ravi Kiran</i>			-----
ALL HOD'S	<i>JK</i>	<i>V. Ravi Kiran</i>	<i>Ch</i>	<i>JK</i>	
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT.	LIBRARY	EXAM SECTION
<i>JK</i>	<i>JK</i>	<i>JK</i>	<i>Ch</i>	<i>JK</i>	<i>JK</i>

## Organizing Committee

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Chairman, Swarnandhra Educational Society

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Vice-chairman, 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: [cse.hod@rietry.co.in](mailto:cse.hod@rietry.co.in)

### Co-ordinator

**Mr. S. Narendra**

Assistant Professor  
Department of Computer Science and Engineering  
Mobile No: +91 8074609910  
Email id: [narendrais@gmail.com](mailto:narendrais@gmail.com)

## A Two-Week Certificate Program on “Certified Robotics Technician Program for Automation Careers”

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

HOD



## A Two-Week Certificate Program on “Certified Robotics Technician Program for Automation Careers”

*Schedule:*

*18-01-2021 to 30-01-2021*

*Venue: Seminar Hall*



Organized  
by  
Department of  
Computer Science and Engineering

**RAJAMAHENDRI**  
**INSTITUTE OF ENGINEERING &  
TECHNOLOGY**

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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 were started with an intake of 60 in the year 2011. RIET has completed 12 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its tenth 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.



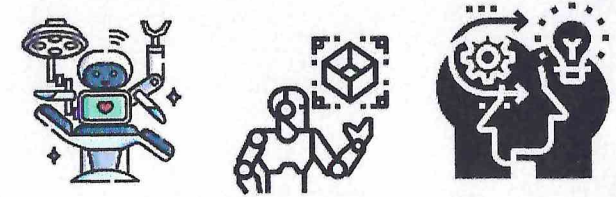
## About the Department

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



Robotics is a multidisciplinary field at the intersection of engineering, computer science, and artificial intelligence. It involves the design, construction, and operation of robots. Key aspects include robot design, programming, sensors, perception, autonomy, and artificial intelligence. Robotics finds applications in various industries, from manufacturing to healthcare and space exploration. Challenges include safety, ethics, technological advancements, education, and interdisciplinary collaboration.

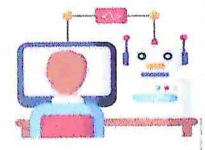
## Resource Person

**Dr. R. Rambabu Reddy**

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

Mobile No: +91 9440218157

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





Date: 09-01-2021

**PROGRAM SCHEDULE**

Program Schedule for "A Two-Week Program on Certified Robotics Technician Program for Automation Careers"

Duration	Program
<b>Day1:</b> 18-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Introduction to Robotics:</b> <ul style="list-style-type: none"><li>▪ Overview of the course and its objectives</li><li>▪ History and evolution of robotics</li><li>▪ Types and applications of robots</li></ul>
<b>Day2:</b> 19-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Basics of Electronics and Mechanics:</b> <ul style="list-style-type: none"><li>▪ Understanding electronic components</li><li>▪ Mechanical components in robotics</li><li>▪ Introduction to sensors and actuators</li></ul>
<b>Day3:</b> 20-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Robot Design and Construction:</b> <ul style="list-style-type: none"><li>▪ Basic principles of robot design</li><li>▪ Hands-on assembly of a simple robot</li><li>▪ Overview of software and programming options</li></ul>
<b>Day4:</b> 21-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Robot Programming Basics:</b> <ul style="list-style-type: none"><li>▪ Introduction to programming languages for robotics</li><li>▪ Writing and running simple programs</li><li>▪ Troubleshooting and debugging</li></ul>
<b>Day5:</b> 22-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Sensing and Perception:</b> <ul style="list-style-type: none"><li>▪ Types of sensors used in robotics</li><li>▪ Calibration and data collection</li><li>▪ Integrating sensors with robots</li></ul>
<b>Day6:</b> 23-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Robot Motion Control:</b> <ul style="list-style-type: none"><li>▪ Basics of kinematics and dynamics</li><li>▪ Introduction to motion planning</li><li>▪ Implementing movement in robots</li></ul>
<b>Day7:</b> 25-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Computer Vision:</b> <ul style="list-style-type: none"><li>▪ Understanding computer vision in robotics</li><li>▪ Image processing techniques</li></ul>
<b>Day8:</b> 27-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Advanced Programming:</b> <ul style="list-style-type: none"><li>▪ Learning more complex programming concepts</li><li>▪ Implementing autonomous behavior</li><li>▪ Practical coding exercises</li></ul>
<b>Day9:</b> 28-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Communication and Networking:</b> <ul style="list-style-type: none"><li>▪ Introduction to robot communication protocols</li><li>▪ Setting up communication systems</li><li>▪ Remote control and data sharing</li></ul>





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<b>Day10:</b> 29-01-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Safety and Ethics in Robotics:</b> <ul style="list-style-type: none"><li>▪ Ensuring robot and human safety</li><li>▪ Ethical considerations in robotics</li><li>▪ Legal and regulatory aspects</li></ul>
<b>Day11:</b> 30-01-2021 09:30AM-12:50PM 01:30PM-03:00PM	<b>Final Projects and Assessment:</b> <ul style="list-style-type: none"><li>▪ Work on individual or group projects</li><li>▪ Presentation and demonstration of the projects</li><li>▪ Certification assessment and feedback</li></ul>

  
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NAME OF THE PROGRAM : A Two Week Certificate Program on Robotics Technician  
Program for Automation Careers

### STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1.	18MD1A0501	ARAVA GAYATHRI	III/II	A. Gayathri
2.	18MD1A0502	ADABALA MANIKANTA KUMARI	III/II	A.M. Kumari
3	18MD1A0503	ADAPA DEVI SARANYA	III/II	A. Devi Saranya
4.	18MD1A0504	ADARI CHETHANA	III/II	A. Chethana
5.	18MD1A0505	ADDAGARLA DURGA SRI RAMYA	III/II	A.D.S. Ramya
6.	18MD1A0506	ADILAKSHMI KADIYAM	III/II	k. Adilakshmi
7.	18MD1A0507	ATTILI ROHITHA	III/II	A. Rohitha
8	18MD1A0508	BOPANA HARI PRIYA	III/II	B. Hari Priya
9	18MD1A0509	BORUSU SRINAGADURGA	III/II	B. Srinagadurga
10	18MD1A0510	CHITTURI DEVI SAHITHI	III/II	CH. D. SAHITHI
11	18MD1A0511	CHOUTIPALLI SAI GOWTHAMI	III/II	C. Sai
12	18MD1A0512	DEVISREE KONDAPALLI	III/II	D. Kondapalli
13	18MD1A0513	DHULIPALA SRILASYA	III/II	D. Srilasya
14	18MD1A0514	DUGGIRALA TEJA SUBHASHINI	III/II	D. Teja Subhashini
15	18MD1A0515	DULAM VINEELA	III/II	D. Vineela
16	18MD1A0516	JUTTA MAHIMA RANI	III/II	J. Mahima rani
17	18MD1A0517	KAKARA DIVYA BHARGAVI	III/II	K. Divya Bhargavi
18	18MD1A0518	KALABATTULA JYOSHNASRI	III/II	k. Jyoshnasri
19	18MD1A0519	KANCHARLA SRI LAKSHMI RATNA BHAVYA	III/II	K. S. L. R. Bhavya
20	18MD1A0520	KANDUKURI LAKSHMI SAI NAGA SWETHA	III/II	K. Swetha
21	18MD1A0521	KARUTURI RAMYA SATYA SAI SINDHUJA	III/II	K. R. S. S. Sindhuja
22	18MD1A0522	KONA SHALINI	III/II	k. Shalini
23	18MD1A0523	KROVVIDI DEVI MANASA SANJATHA	III/II	B. D. M. Sanjatha
24	18MD1A0524	LANKALAPALLI SAI DEVIKA	III/II	L. S. devika
25	18MD1A0525	MADUKURI VAISHNAVI DEVI	III/II	M. V. Devi



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26	18MD1A0526	MADDIREDDY SRI PRANITHAVYA	III/II	M.S prarithaya
27	18MD1A0527	MOHAMMAD YASMIN	III/II	M. Yasmin
28	18MD1A0528	MORTHA GRACE CATHERENE	III/II	M.G. Catherine
29	18MD1A0529	MUTHANGI VENKATA SUPRIYA	III/II	M.Venkata Supriya
30	18MD1A0531	NAKKA NAGA LAKSHMI	III/II	N. N Lakshmi
31	18MD1A0532	NAMBURI BHAGYA SURYA SAVITRI	III/II	N.B.S. SAVITRI
32	18MD1A0533	NARALSETTI BHAGYA SRI	III/II	N. Bhagya sri
33	18MD1A0534	NARKIDIMILLI DURGA LALITHA	III/II	N. Durga Lalitha
34	18MD1A0535	NUDURUMATI KASI ANNAPURNA	III/II	N.K. Annapurna
35	18MD1A0536	PALISETTI SATYA SRI DURGA	III/II	P.S.S Durga
36	18MD1A0537	PALURI SAI DEVI	III/II	P. Sai devi
37	18MD1A0538	PEPAKAYALA YAMINI V V L TRIVENI	III/II	P.Y. Triveni
38	18MD1A0539	PEESAPATI APARNA	III/II	P. APARNA
39	18MD1A0540	PINASIMHAM SAI LAKSHMI RAMYA	III/II	P. RAMYA A.
40	18MD1A0556	ADDAGARLA SAI	III/II	A. Sai
41	18MD1A0557	ALUPANA RAMKARTHIK REDDY	III/II	A.R. Karthik
42	18MD1A0558	ANNAMDEVULA NARENDRA BABU	III/II	A. Narendra Babu
43	18MD1A0559	BAJANA VEERA VENKAT	III/II	B.V. Venkat
44	18MD1A0560	BOLLIPO MOULI BHASWANTH	III/II	B. Mouli Bhas <sup>an</sup> th
45	18MD1A0561	BORUSU SRI PAVAN TEJ	III/II	B.S. Pavan Tej
46	18MD1A0562	CHANAPATHI LEELA SATYA SAI MURALI KRISHNA	III/II	C. LSSM Krishna
47	18MD1A0564	DASARI JAYA SANKAR	III/II	D.J. SANKAR
48	18MD1A0565	DUPPADA SANDEEP KUMAR	III/II	D. Sandeep Kumar
49	18MD1A0566	ERANKI SAI SANTOSH KUMAR	III/II	E.S.S. Kumar
50	18MD1A0567	GANNAVARAPU VENKATA SURYA SAI TEJA	III/II	G.V.S.S. Teja
51	18MD1A0568	GUTHULA NAGA KANAKA SAI	III/II	G. N. Kanaka Sai
52	18MD1A0569	GUTHULA YASWANTH KUMAR	III/II	G. Yaswanth Kumar
53	18MD1A0570	KADARI VEERA BABU	III/II	K.V. Babu
54	18MD1A0571	KANCHERLA VISHNU VARDHAN	III/II	K.V. Vardhan



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55	18MD1A0572	KANDIVALASA SAI TEJA	III/II	K. Sai teja
56	18MD1A0573	KARRI PAVAN KUMAR	III/II	K. Pavan Kumar
57	18MD1A0574	KONDEPARTHI KRISHNA SAI	III/II	K. Krishna Sai
58	18MD1A0575	KUCHIPUDI L S CHAITANYA SRIRAM LOKESH	III/II	K.L.S.C.S Lokesh
59	18MD1A0576	MADDULA MANIKANTA LOKESH	III/II	M.M. Lokesh
60	18MD1A0577	MATTA UDARAJU	III/II	M. Udaraju
61	18MD1A0578	MEKA LAKSHMAN	III/II	M. Lakshman
62	18MD1A0579	MENDU SURYA VAMSI	III/II	M.S. Vamsi
63	18MD1A0580	MERAPUREDDY YASWANTH	III/II	M. Yaswanth
64	18MD1A0590	RYALI BALA MURALI KRISHNA	III/II	R. murali
65	18MD1A0591	SHAIK BADEMIYA	III/II	SK. Bademiya
66	18MD1A0592	SUNDARA SAI RAM PAVAN KUMAR	III/II	S.S.R.P. Kumar
67	18MD1A0593	SUNKARA HEMANTH SAI VENKATESH	III/II	S.H. Sai Venkatesh
68	18MD1A0594	SUNNAM TEJA	III/II	S. Teja
69	18MD1A0595	TEGELA VENKATA SAI SUBRAHMANYA AKSHAY	III/II	T.V.S.S Akshay
70	18MD1A0596	TUPAKULA AYYAPPA SWAMY	III/II	T. AYYAPPA swamy.
71	18MD1A0597	VAMSI KIRAN KUPPULA	III/II	V.K. Kuppula
72	18MD1A0598	YELUBANDI JAYA SHANKAR	III/II	Y. Jayashankar

*M. L. S.*  
Principal

Rajamahendri Institute of Engineering & Technology  
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42	18MD1A0558	ANNAMDEVULA N BABU	P	P	P	P	P	P	P	P	P	P	P	P
43	18MD1A0559	BAJANA VEERA VENKAT	P	P	P	P	P	P	P	P	P	P	P	P
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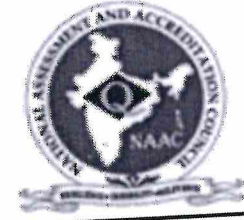


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68	18MD1A0594	SUNNAM TEJA	P	P	P	P	P	P	P	P	P	P	P	P
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71	18MD1A0597	VAMSI KIRAN KUPPULA	P	P	P	P	P	P	P	P	P	P	P	P
72	18MD1A0598	YELUBANDI JAYA SHANKAR	P	P	P	P	P	P	P	P	P	P	P	P

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





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Date: 04-02-2021

### PROGRAM REPORT

**Name and Title of the Program:** "A Two-Week Program on Certified Robotics Technician Program for Automation Careers"

**Course of Duration:** 18-01-2021 to 30-01-2021

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

1. Develop technical proficiency in designing, building, and programming robots.
2. Foster problem-solving skills using robotics technology.
3. Promote safety awareness in robot operations.
4. Teach programming competence for intelligent robot design.
5. Provide hands-on experience with robotics hardware.
6. Explain sensors and actuators integration.
7. Introduce computer vision and its applications.
8. Enhance communication and teamwork in robotics.
9. Address ethical, legal, and regulatory aspects.
10. Prepare for adaptability to evolving technology.
11. Grant a recognized certification for career enhancement.
12. Encourage project-based learning for practical application.
13. Cultivate innovation and creativity in robotics solutions.
14. Develop critical thinking and problem-solving.
15. Facilitate networking and community building within the field.

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

1. Design robots to meet specific requirements.
2. Program robots for control and autonomous behavior.
3. Possess hands-on technical skills for assembling and operating robots.
4. Solve real-world problems using robotics technology.
5. Understand sensors and actuators and integrate them effectively.
6. Utilize computer vision techniques in robotics applications.
7. Prioritize safety in robotics operations.
8. Communicate and collaborate effectively within robotics teams.
9. Be aware of ethical, legal, and regulatory considerations.
10. Adapt to evolving technologies and continue learning.

**No. of Participants:** 72



# RAJAMAHENDRI

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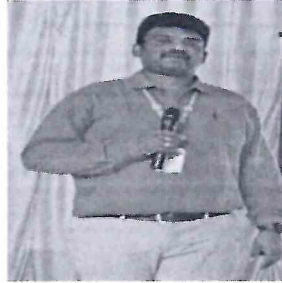
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eMail: office@rietrjy.co.in Website: www.rietrjy.co.in Ph: +91 91212 14413



### RESOURCE PERSON PROFILE



**Name of the Resource Person: Dr. RAMBABU REDDY RAMPATRUNI**

Dr. R Rambabu Reddy, is working as Professor and Head of the Department, Dept. of CSE, Rajamahendri Institute of Engineering & Technology, Rajamahendravaram. He completed Ph.D. from JNTUK Kakinada in 2018. He has over eighteen years of academic experience in various institutions.

His Ph.D. work was on “Data mining and Bioinformatics” which was carried at JNTUK, Kakinada, A.P, India. Before his Ph.D., he had earned Bachelor of Engineering in Computer Science and Engineering from QIS College of Engineering & Technology, Ongole (Affiliated to JNTU Hyderabad), in 2003, and M.Tech. in Information Technology from Andhra University, Visakhapatnam, Andhra Pradesh in 2006.

Dr. Rambabu Reddy has interests include Bioinformatics, Data Science, Algorithms, Artificial Intelligence, Data Mining, Computer Networks, Software Engineering, Mobile Computing Technologies, and Cloud Computing. He has published many papers in national and international journals and conferences.

He has been taken this administration role since December 2009. He actively participated in Academic and Administrative works at Department and Institutional levels. Guided various projects for both B. Tech and M. Tech students conducted seminars and workshops. Visited various colleges for final year projects adjudication.



Coordinator

  
PRINCIPAL  
RAJAMAHENDRI  
INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALAPATNAM.  
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E:office@rietrajy.co.in

W:www.rietrajy.co.in

P:+919121214413



## Participation Certificate

This is certify that


Mr./Mrs./Ms.


DASART JAYA SANKAR.

has participated in

A Two-Week Certificate on "Certified Robotics Technician Program For Automation Careers"

18/01/21 To 30/01/21

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

  
Dr. M. Murali Krishna  
Principal

  
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BHUPALAPATNAM.  
RAJAMAHE N D R I  
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***Participation Certificate***

This is certify that


Mr./Mrs./Ms.

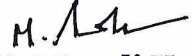
DULAM VINEELA

has participated in

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18/01/21 To 30/01/21

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

  
**Dr. M. Murali Krishna**  
Principal

  
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Date: 08-02-2021

**CIRCULAR**

It is here by informed to all II B.Tech II-Sem CSE A & B students that our college conducting "A Two-Week Certified Program on Python and MongoDB Integration: Streamlining Data Management" on 15<sup>th</sup> February 2021 to 27<sup>th</sup> February 2021. All the students give their names to coordinator listed below on or before 14<sup>th</sup> February 2021. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Mrs. K.S.N.V. Jyothisna Devi, Assistant Professor, Dept. of CSE, RIET.

*M. Murali Krishna*  
 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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**BHOOPALAPATNAM.**  
**RAJAMAHENDRAVARAM-533 107. E.G.Dist.**

BRANCH	CSE		Mech.	ECE		EEE	S&H
B.Tech. 1st Year	<i>JK</i>	<i>JK</i>				-----	
B.Tech. 2nd Year	<i>Peese</i>	<i>Ramp</i>		<i>JK</i>		-----	-----
B.Tech. 3rd Year	<i>JK</i>						-----
B.Tech. 4thYear		<i>JK</i>				<i>S</i>	-----
ALL HOD'S	<i>JK</i>		<i>V. Ravi Kiran</i>	<i>JK</i>		<i>JK</i>	<i>Dr. P. S. S. S.</i>
IQAC	ACCOUNTS		PLACEMENT CELL	TRANSPORT DEPT.		LIBRARY	EXAM SECTION
<i>JK</i>	<i>JK</i>		<i>JK</i>	<i>JK</i>		<i>JK</i>	<i>JK</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

**Dr. R. Rambabu Reddy**

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

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

### Co-ordinator

**Mrs. K.S.N. Jyotsna Devi**

Associate Professor,  
Department of Computer Science and Engineering

Mobile No: +91 9581422334

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

## A Two-Week Certificate Program on

# “Python and MongoDB Integration:”

## Streamlining Data Management

### 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

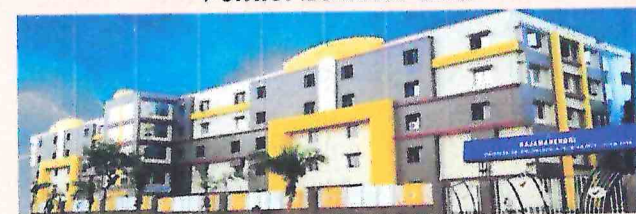
# “Python and MongoDB Integration:”

## Streamlining Data Management

### Schedule:

15-02-2021 to 27-02-2021

Venue: Seminar Hall



Organized  
by  
Department of  
Computer Science and Engineering

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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 were started with an intake of 60 in the year 2011. RIET has completed 12 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its tenth 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.



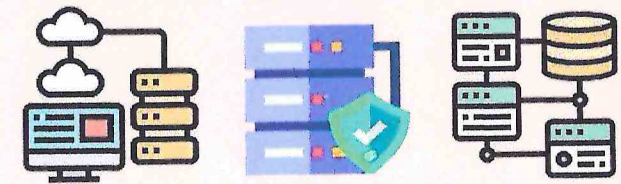
## About the Department

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



This program provides a comprehensive education in integrating Python and MongoDB to streamline data management. With an emphasis on real-time data handling, the course covers key aspects of Python programming, MongoDB database management, data modeling, and practical skills for data integration and analysis. Participants will learn how to work effectively with real-time data streams, perform data analysis and visualization, and optimize data management processes.

## Resource Person

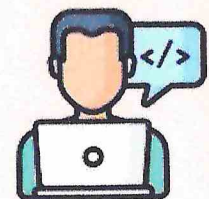
**Mr. P.S.S.K. Sarma**

Associate Professor,

Department of Computer  
Science and Engineering,

Mobile No: +91 9491424256,

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





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eMail: [office@rietryj.co.in](mailto:office@rietryj.co.in)

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

Ph: +91 91212 14413



Date: 12-02-2021

### PROGRAM SCHEDULE

Program Schedule for "A Two-Week Program - Python and MongoDB Integration: Streamlining Data Management"

Duration	Program
<b>Day1:</b> 15-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Introduction to Python and MongoDB:</b> <ul style="list-style-type: none"><li>• Overview of the course and objectives</li><li>• Introduction to Python and MongoDB</li><li>• Installation of Python and MongoDB</li></ul>
<b>Day2:</b> 16-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Basic Python Programming:</b> <ul style="list-style-type: none"><li>• Python syntax, variables, and data types</li><li>• Control structures (if, loops)</li><li>• Functions and modules</li></ul>
<b>Day3:</b> 17-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>MongoDB Fundamentals:</b> <ul style="list-style-type: none"><li>• What is MongoDB?</li><li>• Installation and setup</li><li>• Creating databases and collections</li></ul>
<b>Day4:</b> 18-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Data Modeling in MongoDB:</b> <ul style="list-style-type: none"><li>• Designing document structures</li><li>• Inserting and querying data</li><li>• Indexing for performance</li></ul>
<b>Day5:</b> 19-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Python and MongoDB Connectivity:</b> <ul style="list-style-type: none"><li>• Python libraries for MongoDB (e.g., pymongo)</li><li>• Establishing connections</li><li>• CRUD operations in Python</li></ul>
<b>Day6:</b> 20-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Advanced Querying and Aggregation:</b> <ul style="list-style-type: none"><li>• Filtering and sorting data</li><li>• Using aggregation pipelines</li><li>• Practical exercises</li></ul>
<b>Day7:</b> 22-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Data Import and Export:</b> <ul style="list-style-type: none"><li>• Importing and exporting data with Python</li><li>• Data transformation and cleaning</li><li>• Handling large datasets</li></ul>
<b>Day8:</b> 23-02-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Python Data Streaming:</b> <ul style="list-style-type: none"><li>• Introduction to data streaming concepts</li><li>• Working with libraries like Kafka-Python</li><li>• Building data streaming pipelines</li></ul>
<b>Day9:</b> 24-02-2021 09:30AM-12:50PM	<b>Real-time Data Integration:</b> <ul style="list-style-type: none"><li>• Connecting Python and MongoDB to data streams</li></ul>





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NAME OF THE PROGRAM : A Two Week Certificate Program on Python and Mongo DB  
Integration: Streamlining Data Management

### STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR BRANCH	SIGNATURE
1.	19MD1A0501	AMALAKANTI HEMASATYA	II/II	A. Hemasatya
2.	19MD1A0502	ANKIT KUMAR	D/II	A. kumar
3	19MD1A0503	ANNALADASU CHINNA RAJAMMA	II/II	A. Chenna Rajamma
4.	19MD1A0504	APPANA SRI CHARAN	II/II	A. Sri charan
5.	19MD1A0505	ATHILI AJAY DURGA	II/II	A. Ajay Durga
6.	19MD1A0506	ATYAM SAI ABHAY	II/II	A.S ABHAY
7.	19MD1A0507	AYINAM SIVANI	II/II	A. Sivani
8	19MD1A0508	BASAVA APARNA	II/II	B. Aparna
9	19MD1A0509	BOLISSETTI MYTHRIKA	II/II	B. Mythrika
10	19MD1A0510	BOLLA RAMA HARIKA	II/II	B. Rama Harika
11	19MD1A0511	CHELLE SOPHIA RANI	II/II	S.S. Rani
12	19MD1A0512	CHEMBOLU S PRASANNA KARTHIKEYA	II/II	C.S.P Karthikeya
13	19MD1A0513	CHILUVURI SAI PRIYANKA	II/II	ch. priyanka
14	19MD1A0514	DASARI LAKSHMI SAI SINDHUJA	II/II	D.L.S. Priyanka
15	19MD1A0515	EATHA APARNA	II/II	E. Aparna
16	19MD1A0516	GADA GAYATHRI DEVI	II/II	G. gayatri devi
17	19MD1A0517	GANNAMANENI SIVA	II/II	G. Siva...
18	19MD1A0518	GUNDRAPU SUNIL	II/II	G. Sunil
19	19MD1A0519	KALLA BABURAO	II/II	k. Baburao
20	19MD1A0520	KANCHUMARTHI MADHURI	II/II	k. Madhuri
21	19MD1A0521	KATIKI MOUNIKA	II/II	k. Mounika
22	19MD1A0522	KOLLI MOHAN SRI SAI	II/II	k. Mohan Sri Sai
23	19MD1A0523	KORADA URMILA	II/II	k. Urmila
24	19MD1A0524	KOTHA LASYA M CHANDINI PRAVALLIKA	II/II	k. LM Chandini
25	19MD1A0525	KURAMDASU SATYANARAYANA	II/II	K. Satyanarayan



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26	19MD1A0526	LEELA SAI KUMAR GORLE	II/II	L.S.K. Gorle
27	19MD1A0527	MADDUKURI VIJAY RAM	II/II	M. Vijay Ram
28	19MD1A0528	MANUBOTHULA SAI KRISHNA	II/II	M.S. Krishna
29	19MD1A0529	MEDIBOINA BHAVANA	II/II	M. Bhavana
30	19MD1A0530	MUTYALA HEMA TEJASWI	II/II	M. Hema Tejaswi
31	19MD1A0531	NACHIREDDY KAMALA PRIYA	II/II	N. Priya
32	19MD1A0532	PEDAPUDI DURGA PAVAN KALYAN	II/II	P.D.P. Kalyan
33	19MD1A0533	PENUMETSA VENKATA SIVA VARMA	II/II	P. Venkata Sivakumar
34	19MD1A0534	PERICHERLA SRI SANTHI PRIYA	II/II	P. Sri Santhipriya
35	19MD1A0535	PILLA HANUMA N SATYA SAI NAVEEN	II/II	P.H.S. Naveen
36	19MD1A0536	YALLAPU PRAMEELA	II/II	Y. Prameela
37	19MD1A0537	RYALI AKSHAY SRI KIRAN	II/II	R. Akshay Kiran
38	19MD1A0538	SADANALA AKHIL	II/II	S. Akhil
39	19MD1A0539	SHAIK SANJARI	II/II	S. Sanjari
40	19MD1A0540	SOMU LAKSHMI	II/II	S. Lakshmi
41	19MD1A0541	TANAKALA MANIKANTA	II/II	T. Manikanta
42	19MD1A0542	THAMMINA SAMPATH KUMAR	II/II	T. S. Kumar
43	19MD1A0543	THOTA TRINADH	II/II	T. Trinadh
44	19MD1A0544	THOTA YESASWINI	II/II	T. Yesaswini
45	19MD1A0545	TOLETI NAGASAI NISHITHA	II/II	T.N. Nishitha
46	19MD1A0547	VARREY S GANESH BHANU PRATHYUSH	II/II	V.G.B. Prathyush
47	19MD1A0548	YERUBANDI DORABABU	II/II	Y. DORABABU
48	19MD1A0549	ALLA SANJANA DEVI	II/II	A.S. Devi
49	19MD1A0550	APPARI BHANU AKSHAYA SAI SHRIYA	II/II	A.B.A.S. Shriya
50	19MD1A0551	CHAKKA SNEHITHA	II/II	C. snehitha
51	19MD1A0552	CHITTA LAKSHMI SATYA SRINIVAS	II/II	C.L.S. Srinivas
52	19MD1A0553	CHITTURI CHANDINI	II/II	C. Chandini
53	19MD1A0554	CHITTURI M VENKATA SRI LAKSHMI	II/II	C.V.S. Lakshmi
54	19MD1A0555	DODDI V S SAI MANIKANTA NUKESH	II/II	D.V.S.S.M. Nukesh



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



55	19MD1A0556	KRISHNA NANDHANA SHINU	II/II	K.N. Shrinu
56	19MD1A0557	ESWAR DEVI SETTI	II/II	E. Devi Setti
57	19MD1A0558	GADDE DEDEEPIYA	II/II	Gr. Dedeepya
58	19MD1A0559	GARAPATI BHARGAVI JYOTHI	II/II	Gr. Bhargavi Jyothi
59	19MD1A0560	GEDDAM SRIKRISHNA BABU	II/II	Gr. S. Babu
60	19MD1A0561	GOSALA LAKSHMI PRASAD	II/II	G.L. Prasad
61	19MD1A0562	GUJJARU DEEPIKA	II/II	G. Deepika
62	19MD1A0563	GUTHULA SRIVIDHYA	II/II	Gr. Sri Vidhya
63	19MD1A0564	INDUKURI LAKSHMI NAGA PRANAVI	II/II	K.N. Pranam
64	19MD1A0565	KADALI SAI SREE	II/II	K. Sai Sree
65	19MD1A0566	KAGITAPU RAMYA SREE	II/II	K. Sai Sree
66	19MD1A0567	KAMAVARAPU MANOJ KUMAR	II/II	K. Manoj Kumar
67	19MD1A0568	KAMISETTI HEMA LALITHA	II/II	K.H. Lalitha
68	19MD1A0569	DIRUSUMILLI CHARAN	II/II	D. Charan
69	19MD1A0570	KANDELLI VIJAYA RATHNA KUMARI	II/II	K.V.R. Kumari
70	19MD1A0571	KANDULA AMRUTHAVALLI	II/II	K. Amruthavalli
71	19MD1A0572	KONDREDDY NIKHIL SURYA	II/II	K.N. Surya
72	19MD1A0573	KOTA SAI TARUN	II/II	K. Sai Tarun
73	19MD1A0574	MADDALA JAHNAVI NAGA BHANU	II/II	M.J.N. Bhanu
74	19MD1A0575	MEDIBOYINA SAI RAJ	II/II	M. Sai Raj
75	19MD1A0576	MENDU SRAVYA	II/II	M. Sravya
76	19MD1A0577	MOGALLAPU VEERA VENKATA NAVEEN	II/II	M.V.V. Naveen

M. S. S.  
Principal

Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajahmundry-533107.  
E.G. Dist., (A.P)









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65	19MD1A0566	KAGITAPU RAMYA SREE	P	P	P	P	P	P	P	P	P	P	P	P
66	19MD1A0567	KAMAVARAPU MANOJ KUMAR	P	P	A	P	P	P	P	P	P	P	P	P
67	19MD1A0568	KAMISETTI HEMA LALITHA	P	P	P	P	P	P	P	P	P	P	P	P
68	19MD1A0569	DIRUSUMILLI CHARAN	P	P	P	P	P	P	P	P	P	P	P	P
69	19MD1A0570	KANDELLI V R KUMARI	P	P	P	P	P	P	P	P	P	P	P	P
70	19MD1A0571	KANDULA AMRUTHAVALLI	P	P	P	P	P	P	P	P	P	P	P	P
71	19MD1A0572	KONDREDDY NIKHIL SURYA	P	P	P	P	P	P	P	P	P	P	P	P
72	19MD1A0573	KOTA SAI TARUN	P	P	P	P	P	P	P	P	P	P	P	P
73	19MD1A0574	MADDALA JAHNAVI NAGA BHANU	P	P	P	P	P	P	P	P	P	P	P	P
74	19MD1A0575	MEDIBOYINA SAI RAJ	P	P	P	P	P	P	P	P	P	P	P	P
75	19MD1A0576	MENDU SRAVYA	P	P	P	P	P	P	P	P	P	P	P	P
76	19MD1A0577	MOGALLAPU V V NAVEEN	P	P	P	P	P	P	P	P	P	P	P	P

M. L. S.  
Principal

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



Date: 03-03-2021

### PROGRAM REPORT

Name and Title of the Program: **“A Two-Week Program - Python and MongoDB Integration: Streamlining Data Management”**

**Course of Duration:** 15-02-2021 to 27-02-2021

**Objective of the Program:**

The course objectives encompass proficiency in Python, understanding MongoDB, data modeling, connectivity, advanced querying, data import/export, real-time data integration, data streaming, data analysis, error handling, optimization, scalability considerations, real-world project experience, and certification. These objectives are designed to empower participants with the knowledge and skills necessary to integrate Python and MongoDB for effective streaming data management.

**Out Comes of the Program:**

1. **Proficiency in Python Programming:** Participants can demonstrate competence in Python, including knowledge of syntax, data structures, and control flow.
2. **Mastery of MongoDB:** Graduates are proficient in MongoDB database management, including data modeling, CRUD operations, and query optimization.
3. **Effective Data Modeling:** Participants can design efficient document structures for MongoDB databases, ensuring effective data storage and retrieval.
4. **Data Connectivity Skills:** Graduates can establish connections between Python and MongoDB, successfully perform data operations, and troubleshoot connectivity issues.
5. **Advanced Querying and Aggregation:** Participants can perform complex queries and aggregation tasks in MongoDB, extracting meaningful insights from data.
6. **Data Import and Export Competence:** Graduates can efficiently import and export data between Python and MongoDB, including data transformation and cleaning.
7. **Real-Time Data Integration Proficiency:** Participants can implement real-time data integration using Python and MongoDB, connecting to data streams and integrating them effectively.





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8. **Data Streaming Capability:** Graduates can build data streaming pipelines, connecting to real-time data sources and seamlessly integrating this data into MongoDB databases.
9. **Data Analysis and Visualization Skills:** Participants can analyze and visualize data using Python libraries like pandas, Matplotlib, and Seaborn to extract insights and trends.
10. **Effective Error Handling:** Graduates have the ability to troubleshoot errors and issues in Python and MongoDB applications, ensuring smooth operations.
11. **Optimization Strategies:** Participants can optimize data management and streaming processes for efficiency and performance improvements.
12. **Scalability Considerations:** Graduates understand the principles of scalability and can make informed decisions regarding data handling and storage as datasets grow.
13. **Real-World Project Experience:** Participants have practical experience working on real-time data projects, demonstrating their ability to apply acquired skills.
14. **Certification:** Successful participants receive a recognized certification, validating their proficiency in Python and MongoDB integration for streaming data management.

No. of Participants: 76



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### RESOURCE PERSON PROFILE

Name of the Certificate Program: "A Two-Week Program - Python and MongoDB Integration: Streamlining Data Management"



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

He is completed M.Tech in Computer Science and Engineering at JNTUK, 14 Years of excellent teaching skills in relevant subjects. His area of specialization is Java and Good skills in Programming Languages. He has through sustained excellence and leadership, significantly contribute to the academic and research endeavors of the department and the broader academic community.

*K. Jothsna*  
Coordinator

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

P: +91 9121214413



## Participation Certificate

This is to certify that


Mr./Mrs./Ms. SHAIK SANJARI


has participated in

**A Two Week Program On "Python and Mango DB  
Integration: Streamlining Data Management"**

15/02/21 to 27/02/21

  
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.

609



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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. GUNDRAPU SUNIL

has participated in

**A Two Week Program On "Python and Mango DB  
Integration: Streamlining Data Management"**

15/02/21 to 27/02/21

  
Dr. R. Rambabu  
HOD, Dept. of CSE

  
Dr. M. Murali Krishna  
Principal

  
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Date: 22-02-2021

### CIRCULAR

It is here by informed to all II B.Tech II-Sem ECE students that our college conducting **A Two-Week Certificate Program on "Radar Systems"** on 1<sup>st</sup> March 2021 to 13<sup>th</sup> March 2021. All the students give their names to coordinator listed below on or before 25<sup>th</sup> Febraury 2021. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Mr. G.Krishna , Assistant Professor, Dept. of ECE,RIET.

  
Principal

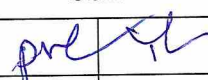
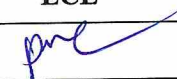
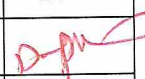





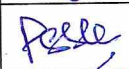


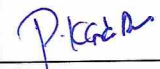

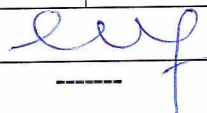
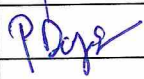


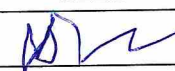


(Dr. M. Murali Krishna)

Copy to: Secretary

Copy to: All HODs for circulation to Staff

Copy to : Admin. Office

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

## Organizing Committee

### Chief Patron

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

Chairman, Swarnandhra Educational Society

### Patrons

**Shri. K. Venkatesh**

Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

### Co-Patrons

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

Vice-Chairman, Swarnandhra Educational Society

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

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. R. Srinivas**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [cinu02@gmail.com](mailto:cinu02@gmail.com)

### Co-ordinator

**Mr. G. Krishna**

Assistant Professor,  
Department of Electronics and Communication Engineering

Mobile No: +91 9493102658

Email id: [krish09401@gmail.com](mailto:krish09401@gmail.com)

## A Two-Week Certificate Program on

# “RADAR SYSTEMS”

## 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

# “RADAR SYSTEMS”

*Schedule:*

01/03/2021 to 13/03/2021

*Venue: Seminar Hall*



Organized  
by  
Department of  
Electronics and Communication  
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 were started with an intake of 60 in the year 2011. RIET has completed 12 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its tenth 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

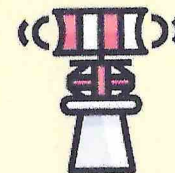
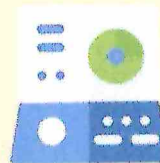
management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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 principles of operation of various blocks of Radar systems and Radar Range equation in detail
- ❖ To study the functions of various blocks of CW Radar, FM-CW Radar, MTI and Pulse Doppler Radars, Tracking radar and their limitations and applications.
- ❖ To study the functions of various blocks of Radar receivers and detection of Radar signals in noise in detail.

## Topics to be covered

- Nature of Radar
- CW and Frequency Modulated Radar
- MTI and Pulse Doppler Radar
- Tracking Radar
- Detection of Radar Signals in Noise

## 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: 25-02-2021

**PROGRAM SCHEDULE**

Program Schedule for A Two-Week Certificate Program on “Radar Systems”.

Duration	Program
<b>Day1:</b> 01-03-2021 09:30AM-12:50M 01:30PM-03:50PM	➤ Introduction To Radar Systems
<b>Day2:</b> 02-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Radar Equation
<b>Day3:</b> 03-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Propagation Effects
<b>Day4:</b> 04-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Target Radar Cross Section
<b>Day5:</b> 05-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Detection Of Signals In Noise And Pulse Compression
<b>Day6:</b> 06-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Radar Antennas
<b>Day7:</b> 08-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Radar clutter And Chaff
<b>Day8:</b> 09-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Signal Processing ➤ MTI And Pulse Doppler Techniques
<b>Day9:</b> 10-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Transmitters ➤ Receivers





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<b>Day10:</b> 11-03-2021 09:30AM- 12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ Transmitters</li><li>➤ Receivers</li></ul>
<b>Day11:</b> 12-03-2021 9:30AM-12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ Final Project Work</li></ul>
<b>Day12:</b> 13-03-2021 09:30AM-12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ Project Presentations And Graduation</li></ul>

  
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**NAME OF THE PROGRAM : A Two Week Add on Program on Rader Systems**  
**STUDENTS LIST**

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1	17MD1A0401	ARUGULA PADMINI DEVI	IV / I	A.P. DEVI
2	17MD1A0402	BANDARU SRI LATHA BHARGAVI	IV / I	B. Bhargavi
3	17MD1A0403	BASAMSETTI SRAVANI	IV / I	B. Sravani
4	17MD1A0404	BELLAPUKONDA SUNI BHARGAVI	IV / I	B. Bhargavi
5	17MD1A0405	BORUSU GAYATHRI	IV / I	B. Gayathri
6	17MD1A0407	CHUKKA MADHURI	IV / I	C. Madhuri
7	17MD1A0408	DODDIPATLA ANUSHA	IV / I	D. Anusha
8	17MD1A0409	ELAPANA VIJAYASREE	IV / I	E. Vijayasree
9	17MD1A0410	ELI K M S RAMA DEVI	IV / I	E. Rama Devi
10	17MD1A0411	ETHALA KAVYA	IV / I	E. Kavya
11	17MD1A0412	GEDDAM ANUMADHURI	IV / I	G. Anumadhuri
12	17MD1A0414	GUTTIMDEEVI AMRUTHA	IV / I	G. Guttimdeevi Amrutha
13	17MD1A0415	HOTHA LAKSHMI SAI PRASANNA	IV / I	H. Lakshmi Sai Prasanna
14	17MD1A0416	KANCHUMARTHI SATYA	IV / I	K. M. Satya
15	17MD1A0417	KANTAMSETTI SURYA BHANU	IV / I	K. Surya Bhanu
16	17MD1A0418	KASANI PADMA DEEPIKA	IV / I	K. P. Deepika
17	17MD1A0419	KHANDAVILLI SRI PRAVALLIKA	IV / I	K. Sri Pravallika
18	17MD1A0420	LINGABHERI RAJA UDAYASREE	IV / I	L. R. UDAYASREE
19	17MD1A0421	MADASU JEMIMA RANI	IV / I	M. Jemima Rani
20	17MD1A0422	MADDIPATI KALYANI	IV / I	M. Kalyani
21	17MD1A0423	MADUKURI MANOHARI	IV / I	M. Manohari
22	17MD1A0424	MAJJURI PADMA PRIYANKA	IV / I	M. Padma Priyanka
23	17MD1A0425	MAJJURI SRI DURGA MANIKANTA	IV / I	M. S. D. Manikanta
24	17MD1A0426	MANCHIMSETTI MALLESWARI	IV / I	M. Malleswari
25	17MD1A0427	MANIKYAM VEERA NAGA SATYA MADHURI	IV / I	M. Madhuri



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26	17MD1A0430	MIRTHIPATI LAKSHMI SUREKHA	IV / I	M. Lakshmi Surekha
27	17MD1A0431	MOOGI LAVANYA	IV / I	M. Lavanya
28	17MD1A0432	MOTHUKURI USHA SRI	IV / I	M. Usha Sri
29	17MD1A0433	MUDUNURI BHAVYA NAGA SAI SRUJITHA	IV / I	H.B.N.S. Srujitha
30	17MD1A0434	MUTHA SANDYA DEVI	IV / I	M. Sandhya Devi
31	17MD1A0435	NAKKA SWETHA	IV / I	N. Swetha
32	17MD1A0436	NALLAJARLA SRUTHI	IV / I	N. Sruithi
33	17MD1A0437	NAMALA SRI KAVYA	IV / I	N. Sri Kavya
34	17MD1A0438	NEELAPALA BHUVITHA LAXMI TANYA	IV / I	N. Bhuvitha
35	17MD1A0439	PADAGA DEVI NAGA TEJASWI	IV / I	P. Teja Swi
36	17MD1A0440	PADINDALA AISHWARYA LAKSHMI	IV / I	P. Aishwarya Laksh
37	17MD1A0441	PANDU SAI NIHARIKA	IV / I	P. Sai naharika
38	17MD1A0442	PEDAPATI PADMA SURYA SAI HARSHITHA	IV / I	P. Harshitha
39	17MD1A0443	PILLI RENU SREE	IV / I	p. Renu sree
40	17MD1A0444	RAVIPATI SRAVANI	IV / I	R. Sravani
41	17MD1A0445	SUTHAPALLI PRATHYUSHA	IV / I	S. Prathyusha
42	17MD1A0446	THUMMAGUNTA LAVANYA	IV / I	T. LAVANYA
43	17MD1A0447	TORAM SUNITHA	IV / I	T. Sunitha
44	17MD1A0448	UNDAMATLA DHANALAKSHMI	IV / I	U. Dhan
45	17MD1A0449	VANGA JYOTHSNA	IV / I	V. Jyothsna
46	17MD1A0450	YALLAPU ARUNA	IV / I	Y. Aruna
47	17MD1A0451	ANAPARTHI VINAY DURGA	IV / I	A. Vinay durga
48	17MD1A0452	APPANA REVANTH	IV / I	A. Revanth
49	17MD1A0453	BONAGIRI TEJA	IV / I	B. Teja
50	17MD1A0454	CHERUVU VEERA SUHARSHA	IV / I	C. Veera Suharshe
51	17MD1A0455	CHINTA TARUN TEJA	IV / I	C. Tarun
52	17MD1A0456	CHUKKA SAI KUMAR	IV / I	C. Sai Kumar
53	17MD1A0457	DASARI MANIKANTA	IV / I	D. Manikanta
54	17MD1A0458	DONDAPATI MANIKANTA	IV / I	D. Mani Kant a



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55	17MD1A0459	GAJULA MURALI KRISHNA	IV / I	G. Murali Krishna
56	17MD1A0460	GANTI SAI MANOJ	IV / I	G. Sai Manoj
57	17MD1A0461	GOLUKONDA CHANDRA DURGA	IV / I	G.C Durga
58	17MD1A0462	GURRAPU RAMYA SRI	IV / I	G. Ramya Sri
59	17MD1A0464	JILAGAM SAI GOVIND	IV / I	J. Sai Govind
60	17MD1A0465	KAVIKONDALA SRI SAI DATTU	IV / I	K.S.S. Dattu
61	17MD1A0466	KONA VENKATESWAR RAO	IV / I	K. Venkateswar Rao
62	17MD1A0467	KONDETI LAKSHMI SOWMYA	IV / I	K.L. Sowmya
63	17MD1A0468	LELLA VEERA VENKATA SATYANARAYANA	IV / I	L.V.V. Satya
64	17MD1A0469	MACHA ANILKUMAR	IV / I	M. Anilkumar
65	17MD1A0470	MADUKURI CHANDANA	IV / I	M. Chandana
66	17MD1A0471	MAKANI PADMA ANUJA ESWARI	IV / I	M.P. & Eswari
67	17MD1A0472	MANCHUKONDA SANDEEP	IV / I	M. Sandeep
68	17MD1A0473	MARUMOKHAM SATYA SYAM SUNDHAR	IV / I	M.S.S. Sundhar
69	17MD1A0474	MARUMUKHAM SIVA KUMAR	IV / I	M. Siva Kumar
70	17MD1A0475	MIDDE BALA SAI SURESH	IV / I	M.B.S. Suresh
71	17MD1A0477	MOHAMMED ISMAILKHAN	IV / I	M. Sundar
72	17MD1A0478	MUTTINA SAI VAMSI	IV / I	M. Sai Vamsi
73	17MD1A0479	NALLALA NAVEEN	IV / I	N. Naveen
74	17MD1A0480	PEETHA RAGINI	IV / I	P. Ragini

  
Principal

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65	17MD1A0470	MADUKURI CHANDANA	P	P	P	P	P	P	P	P	P	P	A
66	17MD1A0471	MAKANI PADMA ANUJA ESWARI	P	A	P	P	P	P	P	P	P	P	P
67	17MD1A0472	MANCHUKONDA SANDEEP	P	P	P	A	P	P	P	P	P	P	P
68	17MD1A0473	MARUMOKHAM S S SUNDHAR	A	A	A	A	A	A	A	A	A	A	A
69	17MD1A0474	MARUMUKHAM SIVA KUMAR	P	P	A	P	P	P	P	P	P	P	P
70	17MD1A0475	MIDDE BALA SAI SURESH	P	P	P	P	P	P	P	A	P	P	P
71	17MD1A0477	MOHAMMED ISMAILKHAN	P	P	P	P	P	A	P	P	P	P	P
72	17MD1A0478	MUTTINA SAI VAMSI	P	P	P	P	A	P	P	P	P	P	P
73	17MD1A0479	NALLALA NAVEEN	P	P	P	P	P	A	P	P	P	P	P
74	17MD1A0480	PEETHA RAGINI	A	P	A	P	P	P	P	P	P	P	P

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Date : 17-03-2021

**PROGRAM REPORT**

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

**Duration & Time :** 01-03-2021 to 13-03-2021 & 10.00 AM to 5.00 PM

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

**Name of The Coordinator:** Mr. G. Krishna, Assistant Professor , Dept of ECE, RIET.

**Objectives of the Program:**

1. To study the principles of operation of various blocks of Radar systems and Radar Range equation in detail
2. To study the functions of various blocks of CW Radar, FM-CW Radar, MTI and Pulse Doppler Radars, Tracking radar and their limitations and applications.
3. To study the functions of various blocks of Radar receivers and detection of Radar signals in noise in detail.
4. To study the principles and working of phased array antennas and their application to radar systems .

**OutComes of the Program:**

Student will be able to

1. Analyze the statistical parameters of Noise and Radar cross section of targets
2. Distinguish the fixed and moving targets using different types of radar systems
3. Explain various techniques employed in radar receivers for detection of signals in noise.
4. Observe the variation in parameters of radar system by the estimation of noise figure & noise temperature
5. Identify the different types of display.

**No. of Participants: 30**




**RESOURCE PERSON PROFILE**

**Name of the Certificate Program:** A Two-Week Certificate Program on “Radar systems”.



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

He completed M.Tech in ECE at JNTUK, 7 years of excellent teaching skills in relevant subjects. His area of specialization on Radar System and Best Knowledge in Radar System. 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@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. Ch. Veera Subharsha

*has participated in*

*An Add-On Two Week Certificate Program on "RADAR SYSTEMS"*

**01/03/2021 to 13/03/2021**



Mr. D. V. Harsha Vardhan  
HOD, Dept. of. ECE



Dr. M. Muralikrishna  
Principal



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## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. P. Sai Niharika

*has participated in*

*An Add-On Two Week Certificate Program on "RADAR SYSTEMS "*

**01/03/2021 to 13/03/2021**

Mr. D. V. Harsha Vardhan  
HOD, Dept. of. ECE

Dr. M. Muralikrishna  
Principal

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## 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. D. Murali Krishna**

Head of the Department,  
Department of Electrical and Electronics Engineering,

Email id: [krish.murali12@gmail.com](mailto:krish.murali12@gmail.com)

### Coordinator

**Mr. P.D. Srinivas**

Associate Professor,  
Department of Electrical and Electronics Engineering

Mobile No: +91 9502270946

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

## A Two-Week Certificate Program on

# “Web Technologies”

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

HOD



## A Two-Week Certificate Program on

# “Web Technologies”

Date:

15/03/2021 to 26/03/2021

Venue: Seminar Hall



Organized  
by

Department of

Electrical and Electronics Engineering

**RAJAMAHENDRI**  
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**TECHNOLOGY**

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AP, 533107.

## About the Institute

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

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch were started with an intake of 60 in the year 2011. RIET has completed 12 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its tenth 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.

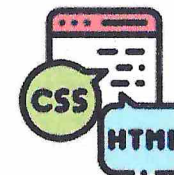
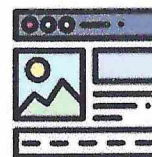
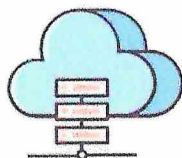


## About the Department

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 continuous 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



On completion of this course, a student will be familiar with client-server architecture and able to develop a web application using java technologies. Students will gain the skills and project-based experience needed for entry into web application and development careers. Students are able to develop a dynamic web page by the use of java script and DHTML.

## Topics to be Covered

- Concepts of Web design
- Web design issues
- Planning to publishing Website
- Basics of HTML
- Need for CSS
- Background images
- Manipulating Texts
- Padding Lists

## Resource Person

**Mr. P.S.S.K. Sarma**

Associate Professor,

Mobile No:+91 9491424256

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





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Date: 11/03/2021

### Program Schedule for “A Two-Week Add-on Program on Web Technologies”

Duration	Program
<b>Day1:</b> 15/03/2021 10:00AM-12:40 1:30PM-3:30PM	Concepts of Web design
<b>Day2:</b> : 16/03/2021 10:00AM-12:40 1:30PM-3:30PM	Web design issues
<b>Day3:</b> 17/03/2021 10:00AM-12:40 1:30PM-3:30PM	Planning to publishing Website
<b>Day4:</b> : 18/03/2021 10:00AM-12:30 1:30PM-3:30PM	Basics of HTML
<b>Day5:</b> : 19/03/2021 10:00AM-12:30 1:30PM-3:30PM	Need for CSS
<b>Day6:</b> : 20/03/2021 10:00AM-12:30 1:30PM-3:30PM	Background images
<b>Day7:</b> : 22/03/2021 10:00AM-12:30 1:30PM-3:30PM	Manipulating Texts
<b>Day8:</b> : : 23/03/2021	Padding Lists





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10:00AM-12:30 1:30PM-3:30PM	
<b>Day9: : 24/03/2021</b> 10:00AM-12:30 1:30PM-3:30PM	Mobile Computing and its Applications.
<b>Day10: : 25/03/2021</b> 10:00AM-12:30 1:30PM-3:30PM	Rover Mission Using JAVA Technology
<b>Day11: : 26/03/2021</b> 10:00AM-12:30 1:30PM-3:30PM	Pill Camera in Medicine
<b>Day12: : 27/03/2021</b> 10:00AM-12:30 2:00PM-3:45PM	Software Testing

  
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202  
20  
10

### NAME OF THE PROGRAM : A TWO WEEK ADD ON PROGRAM ON WEB TECHNOLOGY STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR BRANCH	SIGNATURE
1.	17MD1A0201	AADIMULAM SUPRIYA	IV   I	A. Supriya
2.	17MD1A0203	BAKURI M DURGA VEERA VENKATA SATYA VAMSI	IV   I	B. vamsi
3	17MD1A0204	BANALA RAJESH	IV   I	B. Rajesh
.4.	17MD1A0205	BODDU HARIGOPAL	IV   I	B. Harigopal
5.	17MD1A0206	BUSALA PUSHPA RAJU	IV   I	B.p. Raju
6.	17MD1A0207	CHANDAKA SHANMUKHARAO	IV   I	C. Shanmukha Rao
7.	17MD1A0208	CHETTEBATTULA SUBASH	IV   I	Ch. Subash
8	17MD1A0209	CHILUKURI VEERA SAI CHAKRARAO	IV   I	C. V. Sai Chakra <sup>rao</sup>
9	17MD1A0210	CHUKKAPALLI NIKEETH CHOWDARY	IV   I	C. Nikeeth chowda <sup>ry</sup>
10	17MD1A0211	DULAM SUBHASHINI	IV   I	D. Subhashini
11	17MD1A0212	GADDEMURALI KRISHNA	IV   I	G. Krishna
12	17MD1A0213	GEDDAM SRI VENKATA RAMU	IV   I	G. Sri Venkata Ramu
13	17MD1A0214	GODAVARI DIVYA NAGA HEMA SUNDARI	IV   I	G. D. N. H. Sundari
14	17MD1A0215	GUDIVADA MANOGNA SAI VIJAYA LAKSHMI	IV   I	G. M. S. V. LAKSHMI
15	17MD1A0216	JANIPALLI SIVAPRASAD	IV   I	J. Siva Prasad
16	17MD1A0217	JASTHI VISHALI	IV   I	J. Vishali
17	17MD1A0218	JASTI PADMASRI	IV   I	J. Padmasri
18	17MD1A0219	KAKARAPARTHI ROHINI	IV   I	K. Rohini
19	17MD1A0220	KAKULA BHASKAR ANIL	IV   I	K. Bhaskar anil
20	17MD1A0221	KALA PRAZNA TEJA	IV   I	K. P. TEJA
21	17MD1A0222	KALLEPALLI NAGA DURGA	IV   I	Naga Durga
22	17MD1A0223	KARRA VENKATA NAGA TARUN	IV   I	K. V. N. Tarun
23	17MD1A0224	KARRI BHAVANI	IV   I	K. Bhavani
24	17MD1A0225	KAULURI BABU RAO	IV   I	K. Babu Rao
25	17MD1A0226	KOLLI DHARMATEJA	IV   I	K. Dharmateja



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26	17MD1A0227	KOTTURI BHARGAVI	DI I	K. Bhargavi
27	17MD1A0228	KURATI SAJEEV SYAM	DI I	K. Sajeev Syam
28	17MD1A0229	KUSUMA SAGAR BABU	DI I	K. SAGAR BABU
29	17MD1A0230	MADDIREDDY HARI SATYA SAI MANIKANTA	DI I	M. Ramya
30	17MD1A0231	MATCHA BABY RAMYA	DI I	M. Baby Ramya
31	17MD1A0232	MATCHA JHANSI LAVANYA	DI I	M. J Lavanya
32	17MD1A0234	MATHUTHI SAI KANAKACHARI	DI I	M. S. Kanakachari
33	17MD1A0235	MOHAMMAD HASHIM ABBAS	DI I	M. Hashim Abbas
34	17MD1A0236	MOHAMMAD MOHIDDIN	DI I	M. Mohiddin
35	17MD1A0237	MUDUNURI BALA KRISHNAM RAJU	DI I	M. B. K. Raju
36	17MD1A0238	MULLA SYAM VENKATA SRI DURGA SAI MANIKANTA	DI I	M. S. Venkata Sri Durga Sai Manikanta
37	17MD1A0239	MULLAPUDI BALAKOWSHIK	DI I	M. B. Balakowshik
38	17MD1A0240	MUPPIDI DIVAKAR BABU	DI I	M. Divakar Babu
39	17MD1A0241	MUSINI GEETHIKA	DI I	M. Geethika
40	17MD1A0242	MUSINI PADMAJA	DI I	M. Padmaja
41	17MD1A0243	MUTTA NAGA VENKATA SRIDEVI	DI I	M. Naga Venkata Sridevi
42	17MD1A0244	NALLI SHARON ESTHER	DI I	N. Sharon Esther
43	17MD1A0245	PAPPU SAI SRINIVAS	DI I	P. Sai Srinivas
44	17MD1A0246	PONNADA KAMESWARI	DI I	P. Kameswari
45	17MD1A0247	PONNADA V V RAJENDRA PRUDHVI SRINIVAS	DI I	P. Srinivas
46	17MD1A0248	POTHALA HEMANTH KUMAR	DI I	P. Hemanth Kumar
47	17MD1A0249	SANGITHA RAVITEJA	DI I	S. Ravi Teja
48	17MD1A0250	SATHI RAMYA SRI	DI I	S. Ramya Sri
49	17MD1A0251	SUNKARA UGANDHAR	DI I	S. Ugandhar
50	17MD1A0252	SUNKAVALLI SESHAGIRI	DI I	S. Seshagiri
51	17MD1A0253	THANIKELLA GOURI SATYASREE	DI I	T. G. Satyasree
52	17MD1A0254	THOTA AKASH	DI I	T. Akash
53	17MD1A0255	TIGIRIPALLI SATYASREE	DI I	T. Satyasree
54	17MD1A0256	UNDAVALLI DURGA CHAITANYA	DI I	U. D. Chaitanya











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65	18MD5A0210	KONETI SRINIVAS	P	P	P	P	P	P	P	P	P	P	P	P	P
66	18MD5A0211	MAJI ESWARA V BUTCHI BABU	P	P	P	P	P	P	P	P	P	P	P	P	P
67	18MD5A0212	RAMBHA VINODH RAMAKRISHNA	P	P	P	P	P	A	P	P	P	P	P	P	P
68	18MD5A0213	VARADI DINESH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P

*M. Ash*  
Principal

Rajamahendri Institute of Engineering & Technology  
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Date: 29-03-2021

### Program Report

**Name of the Event:** A Two-Week Add-on Program on Web Technologies

**Date / Duration:** 15/03/2021 to 26/03/2021/ 10:00 AM to 5:00 P.M.

**Resource Person:** Mr. P S S K SARMA,  
Assistant Professor,  
Dept.of CSE  
RIET, Rajahmundry

**Name of Coordinator:** Mr. P D SRINIVAS  
Assistant Professor, Dept.of EEE

**Number of students attended:** 68

**Objective of the event:**

- On completion of this course, a student will be familiar with client server architecture and able to develop a web application using java technologies.
- Students will gain the skills and project-based experience needed for entry into web application and development careers.

**Topics covered:**

- Concepts of Web design
- Web design issues
- Planning to publishing Website
- Basics of HTML
- Need for CSS
- Background images
- Manipulating Texts
- Padding Lists



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### Outcomes of the event:

- Students are able to develop a dynamic webpage by the use of java script and DHTML.
- Students will be able to write a well formed / valid XML document.
- Students will be able to connect a java program to a DBMS and perform insert, update and delete operations on DBMS table.
- Students will be able to write a server-side java application called Servlet to catch form data sent from client, process it and store it on database.
- Students will be able to write a server-side java application called JSP to catch form data sent from client and store it on database.



# 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](mailto:office@rietjy.co.in)

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

Ph: +91 91212 14413



### RESOURCE PERSON PROFILE

Name of the Certificate Program: "A Two-Week Add-on Program on Web Technologies"



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

He is completed M.Tech in Computer Science and Engineering at JNTUK, 14 years of excellent teaching skills in relevant subjects. His area of specialization is Java and Good skills in Programming Languages. He has through sustained excellence and leadership, significantly contribute to the academic and research endeavors of the department and the broader academic community.

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

  
CO-ORDINATOR



**RAJAMAHENDRI**  
**INSTITUTE OF ENGINEERING & TECHNOLOGY**



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

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

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

P: +91 9121214413

## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. DULAM SUBHASHINI

*has participated in*

*A Two-Week Program on "Web technologies"*

**15/03/2021 to 26/03/2021**

Mr. M. Murali Krishna  
HOD, Dept.of. EEE

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. CHETTERBATTULA SUBASH

*has participated in*

*A Two-Week Program on "Web technologies"*

**15/03/2021 to 26/03/2021**

Mr. M. Murali Krishna  
HOD, Dept.of. EEE

Dr. M. Murali Krishna  
Principal



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