

# 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(2) Documents related to certificate programs for A.Y 2021-22



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

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



+91 9121214413



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



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



**List of Certificates/ Add on programs**

Academic Year- 2021-22

S.No	Name of the Program	Duration of Course	No. of Participants
1.	A Two-Week Certificate Program on "Azure Microsoft"	11-10-2021 to 23-10-2021	71
2.	A Two-Week Certificate on "Artificial Intelligence "	19-10-2021 to 30-10-2021	14
3.	A Two-Week Certificate program on "Big Data Analytics"	06-12-2021 to 18-12-2021	73
4.	A Two-Week Certificate Program on "Python Programming"	07-12-2021 to 21-12-2021	25
5.	A Two-Week Certificate Program on "FDM in 3D Printing"	20-12-2021 to 01-01-2022	45
6.	A Two-Week Add-on Program on "Internet Of Things"	07-02-2022 to 19-02-2022	22
7.	A Two-Week Certificate Program on "Embedded Systems "	01-03-2022 to 12-03-2022	36
8.	A Two-Week Certificate Program on "The Art of Ethical Hacking: Cyber Security in Practice"	14-03-2022 to 26-03-2022	78

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# RAJAMAHENDRI

## INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

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Date: 01-10-2021

### 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 Azure Microsoft" on 11<sup>th</sup> October 2021 to 23<sup>rd</sup> October 2021. All the students give their names to coordinator listed below on or before 10<sup>th</sup> October 2021. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Mrs K. Jyothi, Assistant Professor, Dept. of CSE, RIET.

  
Principal,

(Dr M. Murali Krishna)




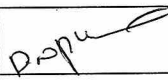


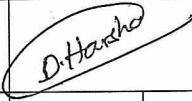




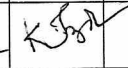


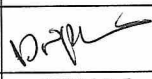


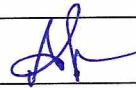

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Copy to: Secretary

Copy to: All HOD's for circulation to Staff

Copy to: Admin. Office

Copy to: Library

BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech. 1st Year	 			----	
B.Tech. 2nd Year	 			----	----
B.Tech. 3rd Year	 				----
B.Tech. 4th Year	 				----
ALL HOD'S					
IQAC	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

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

Vice-Chairman, Swarnandhra Educational Society

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

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Dr. R. Rambabu Reddy**

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

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

### Co-ordinator

**Mrs. K. Jyothi**

Assistant Professor,  
Department of Computer Science and Engineering

Mobile No: +91 9493715900

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

## A Two-Week Certificate Program on

# “Azure Microsoft”

## 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

# “Azure Microsoft”

*Schedule:*

*11-10-2021 to 23-10-2021*

*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 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh 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.



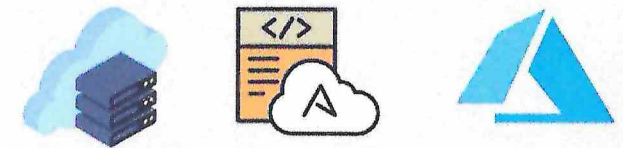
## About the Department

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 Microsoft Azure certification program is a structured system for individuals to validate their expertise in working with Microsoft Azure, the cloud computing platform. It offers role-based certifications for various job roles and is divided into levels, including Fundamentals, Associate, Expert, and Specialty certifications. The program emphasizes continuous learning and requires re-certification. Candidates need to pass specific Azure certification exams, and Microsoft provides resources for exam preparation. Earning Azure certifications can advance careers, increase earning potential, and validate cloud skills. The program evolves to stay current with the latest Azure services and industry trends.

## Resource Person

### Mr. Ch. Gopi

Assistant Professor,

Department of Computer Science  
and Engineering

Mobile No: +91 8179300991

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





Date: 09-10-2021

Program Schedule for A Two-Week Certificate Program on “Azure Microsoft”

Duration	Program
<b>Day1:</b> 11-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Fundamentals:</b> <ul style="list-style-type: none"><li>❖ Introduction to Azure and cloud computing.</li><li>❖ Create an Azure account, explore the Azure portal, and navigate through services.</li></ul>
<b>Day2:</b> 12-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Virtual Machines and Networking:</b> <ul style="list-style-type: none"><li>❖ Understanding Azure VMs.</li><li>❖ Deploy a Windows or Linux VM in Azure. Set up a virtual network and VPN.</li></ul>
<b>Day3:</b> 16-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Storage and Backup:</b> <ul style="list-style-type: none"><li>❖ Introduction to Azure Storage services.</li><li>❖ Create Azure Storage accounts and containers. Configure Azure Backup.</li></ul>
<b>Day4:</b> 18-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Identity and Access Management:</b> <ul style="list-style-type: none"><li>❖ Introduction to Azure Active Directory.</li><li>❖ Manage users, groups, and security in Azure AD.</li></ul>
<b>Day5:</b> 19-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure App Services and Web Applications:</b> <ul style="list-style-type: none"><li>❖ Introduction to Azure App Services.</li><li>❖ Deploy a web application using Azure App Service.</li></ul>
<b>Day6:</b> 20-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Security and Compliance:</b> <ul style="list-style-type: none"><li>❖ Azure security features and best practices.</li><li>❖ Configure Azure policies and compliance settings.</li></ul>
<b>Day7:</b> 21-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Monitoring and Optimization:</b> <ul style="list-style-type: none"><li>❖ Introduction to Azure Monitor and Application Insights.</li><li>❖ Set up monitoring and optimization for Azure resources.</li></ul>
<b>Day8:</b> 22-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Azure Databases and Data Services:</b> <ul style="list-style-type: none"><li>❖ Introduction to Azure databases.</li><li>❖ Create and manage Azure SQL Database and other data services.</li></ul>
<b>Day9:</b> 23-10-2021 09:30AM-12:50PM 01:30PM-02:00PM 02:30PM-03:30PM	<b>Review and Practice Exam:</b> <ul style="list-style-type: none"><li>❖ Review key concepts and practice exam questions.</li><li>❖ Take a practice exam to assess your knowledge.</li></ul>

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NAME OF THE PROGRAM : A Two Week Certificate Program on Azure Microsoft

### STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1	18MD1A0501	ARAVA GAYATHRI	IV-I	A. Gayathri
2	18MD1A0502	ADABALA MANIKANTA KUMARI	IV-I	A.M. Kumari
3	18MD1A0503	ADAPA DEVI SARANYA	IV-I	A.D Saranya
4	18MD1A0504	ADARI CHETHANA	IV-I	A. chethana
5	18MD1A0505	ADDAGARLA DURGA SRI RAMYA	IV-II	A.D.S Ramya
6	18MD1A0506	ADILAKSHMI KADIYAM	IV-I	A. Kadiyam
7	18MD1A0507	ATTILI ROHITHA	IV-I	A. Rohitha
8	18MD1A0508	BOPANA HARI PRIYA	IV-I	B. Hari priya
9	18MD1A0509	BORUSU SRINAGADURGA	IV-I	B.S.N. Dwrga
10	18MD1A0510	CHITTURI DEVI SAHITHI	IV-I	C.D SAHITHI
11	18MD1A0511	CHOUTIPALLI SAI GOWTHAMI	IV-I	CH Sai gowthami
12	18MD1A0512	DEVISREE KONDAPALLI	IV-I	D. Kondapalli
13	18MD1A0513	DHULIPALA SRILASYA	IV-I	D. SriLasya
14	18MD1A0514	DUGGIRALA TEJA SUBHASHINI	IV-I	D.T. Subhashini
15	18MD1A0515	DULAM VINEELA	IV-I	D. vineela
16	18MD1A0516	JUTTA MAHIMA RANI	IV-I	J.M. Rani
17	18MD1A0517	KAKARA DIVYA BHARGAVI	IV-I	K.D. Bhargavi
18	18MD1A0518	KALABATTULA JYOSHNASRI	IV-I	K. Jyoshnasri
19	18MD1A0519	KANCHARLA SRI LAKSHMI RATNA BHAVYA	IV-I	K. Jyoshasri
20	18MD1A0520	KANDUKURI LAKSHMI SAI NAGA SWETHA	IV-I	K.L.S.N. Swetha
21	18MD1A0528	MORTHA GRACE CATHERENE	IV-I	M.G. Catherine
22	18MD1A0529	MUTHANGI VENKATA SUPRIYA	IV-I	M.V. Supriya
23	18MD1A0531	NAKKA NAGA LAKSHMI	IV-I	N. Naga Lakshmi
24	18MD1A0532	NAMBURI BHAGYA SURYA SAVITRI	IV-I	N.B.S. Savitri
25	18MD1A0533	NARALSETTI BHAGYA SRI	IV-II	N.B. Sri



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26	18MD1A0534	NARKIDIMILLI DURGA LALITHA	IV - I	N.D. Lalitha
27	18MD1A0535	NUDURUMATI KASI ANNAPURNA	IV - I	N.K. Annapurna
28	18MD1A0536	PALISSETTI SATYA SRI DURGA	IV - I	P. Durga
29	18MD1A0537	PALURI SAI DEVI	IV - I	P. Sai devi
30	18MD1A0538	PEPAKAYALA YAMINI V V L TRIVENI	IV - I	P.Y. VVL Triveni
31	18MD1A0539	PEESAPATI APARNA	IV - I	P. Aparna
32	18MD1A0540	PINASIMHAM SAI LAKSHMI RAMYA	IV - I	P. S. L. Ramya
33	18MD1A0541	POLIREDDY GEETHA MOUNIKA	IV - I	P. G. Mounika
34	18MD1A0542	POTHININDI RAMYA SUGUNA CHANDANA	IV - I	P. R. S. Chandana
35	18MD1A0543	RONGALI NEELIMA	IV - I	R. Neelima
36	18MD1A0544	SHAIK AMEERUNNISHA	IV - I	S. Ameerunnisha
37	18MD1A0545	SIRAMSETTY VEERA APARNA	IV - I	S. V. Aparna
38	18MD1A0546	SRI KAVYA BANKA	IV - I	S. Kavya
39	18MD1A0547	SUNKAVALI SRI KRISHNA PALLAVI	IV - I	S. Sri Krishna
40	18MD1A0548	SURE SATVIKA	IV - I	S. SATVIKA
41	18MD1A0549	VADLAMUDI HIMA NAGA DEVI	IV - I	V. H. N. devi
42	18MD1A0550	VALAVALA LAKSHMI SAILAJA	IV - I	V. L. Sailaja
43	18MD1A0551	VALLABHANI HIMA CHANDRIKA	IV - I	V. H. Chandrika
44	18MD1A0552	VONTEDDU RATNANJALI	IV - I	V. Ratnanjali
45	18MD1A0553	YADLA HEMA VARA LAKSHMI	IV - I	Y. Hema Vara Lakshmi
46	18MD1A0554	YANAMADALA SAI SHARISHMA	IV - I	Y. S. Sharishma
47	18MD1A0555	YECHURI RAMA TEJASWI	IV - I	Y. R. Tejaswi
48	18MD1A0556	ADDAGARLA SAI	IV - I	A. Sai
49	18MD1A0557	ALUPANA RAMKARTHIK REDDY	IV - I	A. R. Reddy
50	18MD1A0558	ANNAMDEVULA NARENDRA BABU	IV - I	A. N. Babu
51	18MD1A0559	BAJANA VEERA VENKAT	IV - I	B. Veera Venkat
52	18MD1A0560	BOLLIPO MOULI BHASWANATH	IV - I	B. Veera Venkat
53	18MD1A0561	BORUSU SRI PAVAN TEJ	IV - I	B. SRI PAVAN TEJ
54	18MD1A0562	CHANAPATHI L S SAI MURALI KRISHNA	IV - I	C. L. S. S. M. Krishna





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55	18MD1A0564	DASARI JAYA SANKAR	IV-I	D.J.Sankar
56	18MD1A0565	DUPPADA SANDEEP KUMAR	IV-I	D. Sandeep
57	18MD1A0566	ERANKI SAI SANTOSH KUMAR	IV-I	E.S.S.kumar
58	18MD1A0567	GANNAVAPU VENKATA SURYA SAI TEJA	IV-I	G.N.V. S.S. Teja
59	18MD1A0568	GUTHULA NAGA KANAKA SAI	IV-I	G.N.K. Sai
60	18MD1A0569	GUTHULA YASWANTH KUMAR	IV-I	G.Y. Kumar
61	18MD1A0570	KADARI VEERA BABU	IV-I	K. Veera babu
62	18MD1A0571	KANCHERLA VISHNU VARDHAN	IV-I	K.V.Shmvardhan
63	18MD1A0572	KANDIVALASA SAI TEJA	IV-I	K. Sai teja
64	18MD1A0573	KARRI PAVAN KUMAR	IV-I	K. Pavan kumar
65	18MD1A0574	KONDEPARTHI KRISHNA SAI	IV-I	K. Krishna Sai
66	18MD1A0575	KUCHIPUDI L S CHAITANYA S LOKESH	IV-I	K.L.S.C.Lokesh
67	18MD1A0576	MADDULA MANIKANTA LOKESH	IV-I	M. Lokesh
68	18MD1A0577	MATTA UDARAJU	IV-I	M. Udaraaju
69	18MD1A0578	MEKA LAKSHMAN	IV-I	M. Lakshman
70	18MD1A0579	MENDU SURYA VAMSI	IV-I	M.S. Vamsi
71	18MD1A0580	MERAPUREDDY YASWANTH	IV-I	M. Yaswanth

M.A.L.  
Principal

Rajamahendri Institute of Engineering & Technology  
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19	18MD1A0519	KANCHARLA SRI L RATNA BHAVYA	A	P	P	P	P	P	P	P	P	P
20	18MD1A0520	KANDUKURI L S NAGA SWETHA	P	P	P	P	P	A	P	P	P	P
21	18MD1A0528	MORTHA GRACE CATHERENE	P	P	P	P	P	P	A	P	P	P
22	18MD1A0529	MUTHANGI VENKATA SUPRIYA	P	P	P	P	P	P	P	A	P	P
23	18MD1A0531	NAKKA NAGA LAKSHMI	P	P	A	P	P	P	P	P	P	A
24	18MD1A0532	NAMBURI BHAGYA SURYA SAVITRI	A	P	P	P	P	P	P	P	P	P
25	18MD1A0533	NARALASETTI BHAGYA SRI	P	P	P	A	A	P	P	P	P	A
26	18MD1A0534	NARKIDIMILLI DURGA LALITHA	P	A	P	P	P	P	A	P	P	P
27	18MD1A0535	NUDURUMATI KASI ANNAPURNA	P	P	A	P	P	P	P	P	P	P
28	18MD1A0536	PALISETTI SATYA SRI DURGA	A	P	P	P	P	P	P	P	P	P
29	18MD1A0537	PALURI SAI DEVI	P	P	P	A	P	P	P	A	P	P
30	18MD1A0538	PEPAKAYALA YAMINI V V L TRIVENI	A	P	A	P	P	P	P	P	A	P
31	18MD1A0539	PEESAPATI APARNA	P	P	P	A	P	P	P	P	P	P
32	18MD1A0540	PINASIMHAM SAI LAKSHMI RAMYA	P	A	P	P	P	A	P	P	P	P
33	18MD1A0541	POLIREDDY GEETHA MOUNIKA	P	P	P	P	P	P	P	A	P	P
34	18MD1A0542	POTHININDI R SUGUNA CHANDANA	P	A	A	P	P	P	P	P	P	A
35	18MD1A0543	RONGALI NEELIMA	P	P	P	A	P	A	P	P	P	P
36	18MD1A0544	SHAIK AMEERUNNISHA	P	P	P	P	A	P	P	P	P	P
37	18MD1A0545	SIRAMSETTY VEERA APARNA	A	P	P	P	P	P	P	P	P	P
38	18MD1A0546	SRI KAVYA BANKA	P	P	A	P	P	P	P	P	P	P
39	18MD1A0547	SUNKAVALI SRI KRISHNA PALLAVI	P	P	P	P	P	P	P	P	P	P
40	18MD1A0548	SURE SATVIKA	P	P	P	P	A	P	P	P	P	P
41	18MD1A0549	VADLAMUDI HIMA NAGA DEVI	P	P	P	P	P	A	P	P	P	P





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65	18MD1A0574	KONDEPARTHI KRISHNA SAI	P	P	P	P	P	P	P	P	P
66	18MD1A0575	KUCHIPUDI L S CHAITANYA SRIRAM LOKESH	A	P	P	P	P	P	P	A	P
67	18MD1A0576	MADDULA MANIKANTA LOKESH	P	P	P	P	P	A	P	P	P
68	18MD1A0577	MATTA UDARAJU	P	P	P	P	P	P	P	P	P
69	18MD1A0578	MEKA LAKSHMAN	P	P	P	P	P	P	P	P	P
70	18MD1A0579	MENDU SURYA VAMSI	A	P	P	P	P	P	P	P	P
71	18MD1A0580	MERAPUREDDY YASWANTH	P	P	A	P	P	P	P	P	P

*M. Reddy*

Principal

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



25-10-2021

## PROGRAM REPORT

**Name and Title of the Program:** “A Two-Week Certificate Program on Azure Microsoft”

**Date of Duration:** 11-10-2021 to 23-10-2021

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

The objectives of using Microsoft Azure include achieving scalability, cost efficiency, global reach, reliability, and security. It aims to streamline data storage and management, application development, IoT and AI integration, and compliance and governance. Additionally, Azure is used for disaster recovery, content delivery, analytics, machine learning, automation, and containerization. It supports application modernization, enhances collaboration and productivity, and aids in educational and research initiatives. Ultimately, Azure enables innovation and competitive advantage by harnessing its versatile cloud services for various purposes.

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

Microsoft Azure offers a wide range of outcomes and benefits for organizations and individuals, including scalability, cost savings, global reach, high availability, security, data management and analytics, accelerated application development, hybrid and multi-cloud solutions, IoT and AI integration, governance and compliance, disaster recovery, content delivery, data-driven decision-making, machine learning, automation, containerization, application modernization, collaboration, and educational opportunities. Leveraging Azure can lead to innovation, improved competitiveness, and enhanced productivity, making it a versatile and powerful cloud platform for diverse use cases.

**No. of Participants:** 71



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



## RESOURCE PERSON PROFILE

**Name of the Certificate program:** An add on Two week certificate on “Azure Microsoft”



Name of the Resource Person: Mr. Ch.Gopi

Ch. Gopi, is working as Assistant Professor of CSE, Rajamahendri Institute of Engineering & Technology, Rajamahendravaram. He completed MTECH Cse from Aditya Engineering college surampelm in 2016. He has over Five years of academic experience , 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.

*K. Gouth*  
Coordinator

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

P: +91 9121214413

## *Participation Certificate*

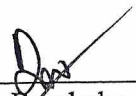
*This is to certify that*


*Mr./Mrs./Ms. Aarava Gayathri*

*has participated in*

*A Two-Week Program on "Azure Microsoft"*

**11/10/21 to 23/10/21**

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

  
Dr. M. Murali Krishna  
Principal

  
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Mr./Mrs./Ms. Shark Ameerunnisha

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**11/10/21 to 23/10/21**

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

Dr. M. Murali Krishna  
Principal



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Date: 11-10-2021

### CIRCULAR

It is here by informed to all II<sup>th</sup> B.Tech I-Sem ECE students that our college conducting A Two-Week Certificate Program on "Artificial Intelligence (AI)" on 19<sup>th</sup> October 2021 to 30<sup>th</sup> October 2021. All the students give their names to coordinator listed below on or before 15<sup>th</sup> October 2021. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Mr. N.P.U.V.S.N Pavan Kumar ,Assistant Professor ,Dept .of ECE,RIET.

  
Principal


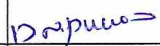









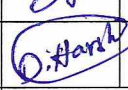


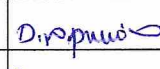

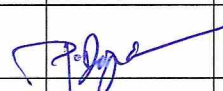


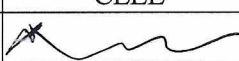
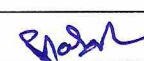


(Dr M. Murali Krishna)

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Copy to :All HODs for circulation to Staff

Copy to : Admin. Office

BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech.1stYear				----	
B.Tech.2nd Year				-----	-----
B.Tech.3rdYear					-----
B.Tech.4thYear					-----
ALLHOD'S					
	-----		-----		
IQAC	ACCOUNTS	PLACEMENT CELL	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. D. Vijay Harsha Vardhan**

Head of the Department,  
Department of Electronics and  
Communication Engineering

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

### Co-ordinator

**Mr. N.P.U.V. S.N. Pavan Kumar**

Assistant Professor,  
Department of Electronics and  
Communication Engineering

Mobile No: +91 8106397579

Email id: [nalampavankumar12@gmail.com](mailto:nalampavankumar12@gmail.com)

## A Two-Week Certificate Program on

# “Artificial Intelligence”

## 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

# “Artificial Intelligence”

*Schedule:*

19/10/2021 to 30/10/2021

*Venue: Seminar Hall*



Organized  
by  
Department of  
Electronics and Communication  
Engineering

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## About the Institute

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

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch were started with an intake of 60 in the year 2011. RIET has completed 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh 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

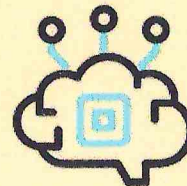
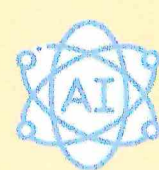
management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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



1. To introduce the basic concepts, theories, and state-of-the-art techniques of artificial intelligence.
2. To introduce basic concepts and applications of machine learning.
3. Help students to learn the application of machine learning /A. I algorithms in the different fields of science, medicine, finance etc.

## Topics to be Covered

- Introduction to AI
- Problem solving using search.
- Predicate Logic
- Planning
- Uncertainty in A.I
- Machine Learning
- Advanced applications

## 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)





Date:15-10-2021

**PROGRAMSCHEDULE**

Program Schedule for A Two-Week Certificate Program on “Artificial Intelligence (AI)”.

Duration	Program
<b>Day1:</b> 19-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Introduction of Artificial Intelligence.
<b>Day2:</b> 20-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ History of Artificial Intelligence.
<b>Day3:</b> 21-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ The fundamental concepts in Artificial Intelligence
<b>Day4:</b> 22-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Problem solving: state-space search and control strategies.
<b>Day5:</b> 23-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Logic concepts: Introduction
<b>Day6:</b> 25-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Propositional calculus ,proportional logic
<b>Day7:</b> 26-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Semantic tableau system in ,proportional logic
<b>Day8:</b> 27-10-2021 09:30AM-12:50PM 01:30PM-03:50PM	➤ Knowledge representation :introduction
<b>Day9:</b> 28-10-2021 09:30AM-12:50PM 01:30PM03:50PM	➤ Knowledge representation using semantic network,



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<b>Day10: 29-10-</b> 202109:30AM- 12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ Expert system and applications, expert system versus traditional systems.</li></ul>
<b>Day11: 30-10-</b> 202109:30AM- 12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ Application of expert systems ,list of shells and tools.</li></ul>

  
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**NAME OF THE PROGRAM : A Two Week Add on Program on Artificial Intelligence**  
**STUDENTS LIST**

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1.	20MD1A0401	AMARA RAMU	II-II	A. Ramu
2.	20MD1A0402	BONAGIRI SATYANARAYANA	II-II	B. Satyanarayana
3	20MD1A0403	CHALAPATHI RAJANI DEVI	II-II	C.P. Devi
4.	20MD1A0404	JUJJAVARAPU VENKATA SRI HARI	II-II	J.V. Sri hari
5.	20MD1A0405	KANDULA NAGA SAI ANUSHA	II-II	K.N.S. Anusha
6.	20MD1A0406	KOMMULA CHAITANYA BHARATHI	II-II	K.C. Bharathi
7.	20MD1A0407	PICHUKA PRANEETH SRIKANTH	II-II	P. Praneeth Srikanth
8	20MD1A0408	PONNAGANTI DEVI DEEPIKA	II-II	P.D. Deepika
9	20MD1A0409	SANGULA NAGA BABU	II-II	S. Naga babu
10	20MD1A0410	SHAIK THOHA	II-II	S. Thooha
11	20MD1A0411	SURISSETTI SURESH	II-II	S. Suresh
12	20MD1A0412	THAMMANA SAI SRI HARSHA	II-II	T.S.S. Harsha
13	20MD1A0413	UNDI LAKSHMI GAYATHRI	II-II	U.L. Gayathri
14	20MD1A0414	YANAGANTI DHARANI	II-II	Y. Dharani

Principal

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### DAY WISE ATTENDANCE SHEET

NAME OF THE PROGRAM : A TWO WEEK ADD ON PROGRAM ON ARTIFICIAL INTELLIGENCE

S.NO.	Regd.No.	Name of the student	19/10	20/10	21/10	22/10	23/10	25/10	26/10	27/10	28/10	29/10	30/10
1	20MD1A0401	AMARA RAMU	P	P	P	P	P	P	P	P	P	P	P
2	20MD1A0402	BONAGIRI SATYANARAYANA	P	P	P	P	P	P	P	P	P	P	P
3	20MD1A0403	CHALAPATHI RAJANI DEVI	P	P	P	P	P	P	P	P	P	P	P
4	20MD1A0404	JUJJAVARAPU VENKATA SRI HARI	P	P	P	P	P	P	P	P	P	P	P
5	20MD1A0405	KANDULA NAGA SAI ANUSHA	A	A	A	A	A	A	A	A	A	A	A
6	20MD1A0406	KOMMULA CHAITANYA BHARATHI	P	P	P	P	P	P	A	P	P	P	P
7	20MD1A0407	PICHUKA PRANEETH SRIKANTH	P	P	P	P	P	P	P	P	P	P	P
8	20MD1A0408	PONNAGANTI DEVI DEEPIKA	P	P	P	P	P	P	P	P	P	P	P
9	20MD1A0409	SANGULA NAGA BABU	P	P	P	P	P	P	P	P	P	P	A
10	20MD1A0410	SHAIK THOHA	P	P	P	P	P	P	P	P	P	P	P
11	20MD1A0411	SURISSETTI SURESH	A	A	A	A	A	A	A	A	A	A	A
12	20MD1A0412	THAMMANA SAI SRI HARSHA	P	P	P	P	P	P	P	P	P	P	P
13	20MD1A0413	UNDI LAKSHMI GAYATHRI	P	P	P	P	P	P	P	P	P	P	P
14	20MD1A0414	YANAGANTI DHARANI	A	A	A	A	A	A	A	A	A	A	A

*M. A. S.*  
Principal

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





Date: 03-11-2021

**PROGRAM REPORT**

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

**Date & Time:** 19-10-2021 to 30-10-2021 & 10:00 AM to 5:00 PM

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

**Name of The Coordinator:** Mr. N.P.U.V.S.N Pavan Kumar ,Assistant Professor , Dept of ECE, RIET.

**Objectives of the Program:**

1. Gain a historical perspective of AI and its foundations .
2. Become familiar with basic principles of AI toward problem solving, inference, perception, knowledge representation, and learning
3. Investigate applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.
4. Experience AI development tools such as an 'AI language, expert system shell, and/or data.

**Outcomes of the Program:**

1. Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations.
2. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
3. Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.
4. Demonstrate proficiency developing applications in an 'AI language', expert system shell, or data mining tool.

**No of Participants:**14



**RESOURCE PERSON PROFILE**

**Name of the Certificate Program:** A Two-Week Certificate Program on “Artificial Intelligence (AI)”.



**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 Artificial Intelligence and Best Knowledge in Artificial Intelligence. Senior Faculty as an Assistant Professor in the Electronics and Communication Engineering Department is a distinguished position that encompasses advanced teaching, significant research contributions, and leadership within the academic community.

  
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Coordinator



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

P: +91 9121214413



## Participation Certificate

*This is to certify that*

Mr./Mrs./Ms. A. Rame

*has participated in*

*An Add On Two-Week Certificate Program on "Artificial Intelligence"*

**19/10/2021 to 30/10/2021**

Mr. T. Gangadhara Rao  
HOD, Dept. of. ECE

Dr. M. Murali Krishna  
Principal

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INSTITUTE OF ENGINEERING TECHNOLOGY  
BHUPALAPATNAM.  
RAJAMAHENDRAWARAM-533 107, E.G. Dist.





**RAJAMAHENDRI**

**INSTITUTE OF ENGINEERING & TECHNOLOGY**



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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. Y. Gayatri

*has participated in*

*An Add On Two-Week Certificate Program on "Artificial Intelligence"*

**19/10/2021 to 30/10/2021**

  
Mr. T. Gangadhara Rao  
HOD, Dept. of. ECE

  
Dr. M. Murali Krishna  
Principal

  
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Date: 30-11-2021

## CIRCULAR

It is here by informed to all III B.Tech Sem-II CSE A & B that our college conducting "A Two-Week Certificate Program on Big Data Analytics" on 6<sup>th</sup> December 2021 to 18<sup>th</sup> December 2021. All the students give their names to coordinator listed below on or before 4<sup>th</sup> December 2021. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

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

  
Principal

(Dr. M. Murali Krishna)

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

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BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech. 1st Year				-----	<i>D. Srinivas</i>
B.Tech. 2nd Year	<i>CSA</i>			-----	-----
B.Tech. 3rd Year	<i>CSA</i>		<i>CSA</i>	<i>CSA</i>	-----
B.Tech. 4th Year		<i>P.T.C.</i>			-----
ALL HOD'S	<i>CSA</i>	<i>V. Ravi Kumar</i>		<i>P. Dya</i>	<i>D. Srinivas</i>
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT	LIBRARY	EXAM SECTION
<i>CSA</i>	<i>CSA</i>	<i>CSA</i>	<i>CSA</i>	<i>CSA</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@rietrijy.co.in](mailto:cse.hod@rietrijy.co.in)

### Co-ordinator

**Mr. Ch. Gopi**

Assistant Professor,  
Department of Computer Science and Engineering

Mobile No: +91 817930091

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

## A Two-Week Certificate Program on

# “Big Data Analytics”

## 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

# “Big Data Analytics”

*Schedule:*

*06-12-2021 to 18-12-2021*

*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 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh 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.



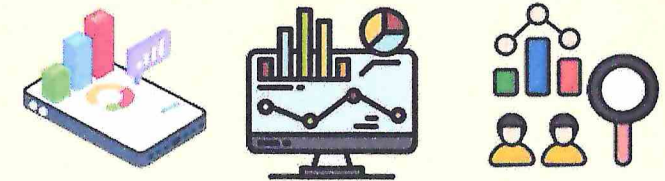
## About the Department

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



Big Data Analytics is a multidisciplinary field focused on deriving insights and patterns from large, complex datasets. It involves processing, analyzing, and interpreting data to inform data-driven decision-making and innovation. Key elements include dealing with vast volumes, high velocity, and diverse data types, utilizing various tools and technologies, data collection and pre-processing, analysis, real-time processing, machine learning, industry applications, and data security. Big Data Analytics empowers organizations to make data-driven decisions, enhance operations, and innovate across industries.

## Resource Person

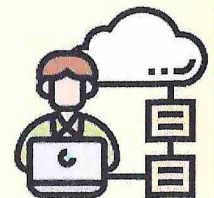
**Mrs. K. Jyothi**

Assistant Professor,

Department of Computer Science  
and Engineering

Mobile No: +91 9493715900

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





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Date: 15-12-2021


## Program Schedule for A Two-Week Certificate Program on “Big Data Analytics”

Duration	Program
<b>Day1:</b> 06-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Introduction to Big Data and Analytics:</b> <ul style="list-style-type: none"><li>• Introduction to Big Data</li><li>• Data vs. Big Data</li><li>• Data Analytics Lifecycle</li><li>• Tools and technologies in Big Data Analytics</li></ul>
<b>Day2:</b> 07-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Data Ingestion and Storage:</b> <ul style="list-style-type: none"><li>• Data ingestion techniques</li><li>• Hadoop Distributed File System (HDFS)</li><li>• Introduction to Apache Spark</li><li>• Data storage strategies</li></ul>
<b>Day3:</b> 08-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Data Processing with Spark:</b> <ul style="list-style-type: none"><li>• Spark architecture</li><li>• Resilient Distributed Datasets (RDDs)</li><li>• Spark transformations and actions</li></ul>
<b>Day4:</b> 09-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Data Exploration and Visualization:</b> <ul style="list-style-type: none"><li>• Data exploration and preprocessing</li><li>• Introduction to data visualization</li><li>• Common visualization tools</li></ul>
<b>Day5:</b> 10-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Machine Learning for Big Data:</b> <ul style="list-style-type: none"><li>• Introduction to machine learning</li><li>• Supervised vs. unsupervised learning</li><li>• Machine learning algorithms for Big Data</li></ul>





<b>Day6:</b> 11-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Deep Learning for Big Data:</b> <ul style="list-style-type: none"><li>• Introduction to deep learning</li><li>• Neural networks and deep learning frameworks</li><li>• TensorFlow and Keras</li></ul>
<b>Day7:</b> 13-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>NoSQL Databases for Big Data:</b> <ul style="list-style-type: none"><li>• Introduction to NoSQL databases</li><li>• Types of NoSQL databases</li><li>• MongoDB and Cassandra</li></ul>
<b>Day8:</b> 14-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Real-time Data Processing:</b> <ul style="list-style-type: none"><li>• Stream processing vs. batch processing</li><li>• Apache Kafka for event streaming</li></ul>
<b>Day9:</b> 15-12-2021 09:30AM-12:50PM 01:30PM-02:00PM 02:30PM-03:30PM	<b>Data Security and Privacy:</b> <ul style="list-style-type: none"><li>• Data security challenges in Big Data</li><li>• Privacy regulations and compliance</li><li>• Data encryption and access control</li></ul>
<b>Day10:</b> 16-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Big Data Analytics in the Cloud:</b> <ul style="list-style-type: none"><li>• Cloud computing for Big Data</li><li>• AWS, Azure, and GCP</li></ul>
<b>Day11:</b> 17-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Big Data Project Development:</b> <ul style="list-style-type: none"><li>• Formulating a Big Data project</li><li>• Project management and best practices</li></ul>
<b>Day12:</b> 18-12-2021 09:30AM-12:50PM 01:30PM-03:50PM	<b>Big Data Analytics Applications and Future Trends:</b> <ul style="list-style-type: none"><li>• Real-world use cases of Big Data Analytics</li><li>• Emerging trends in Big Data</li><li>• Final project presentations by participants</li></ul>

  
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NAME OF THE PROGRAM : A Two Week Certificate Program on Big Data Analysis

**STUDENTS LIST**

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



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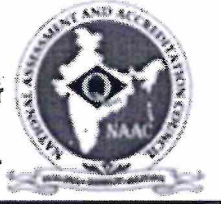


26	19MD1A0526	LEELA SAI KUMAR GORLE	II-II	G.L.S. Kumar
27	19MD1A0527	MADUKURI VIJAY RAM	II-II	M. Vijay Ram
28	19MD1A0528	MANUBOTHULA SAI KRISHNA	II-II	M.S. Krishna
29	19MD1A0529	MEDIBOINA BHAVANA	II-II	M. Bhavana
30	19MD1A0530	MUTYALA HEMA TEJASWI	II-II	M. Hema Tejaswi
31	19MD1A0541	TANAKALA MANIKANTA	III-II	T. Manikanta
32	19MD1A0542	THAMMINA SAMPATH KUMAR	II-I	T. Sampath Kumar
33	19MD1A0543	THOTA TRINADH	III-II	T. Trinadh
34	19MD1A0544	THOTA YESASWINI	II-I	T. Yesaswini
35	19MD1A0545	TOLETI NAGASAI NISHITHA	III-II	T. Nagasai
36	19MD1A0547	VARREY SHIVA GANESH BHANU PRATHYUSH	III-II	V.S.G.B. Prathyush
37	19MD1A0548	YERUBANDI DORABABU	III-II	X. Dorababu
38	19MD1A0549	ALLA SANJANA DEVI	II-II	A.S. Devi
39	19MD1A0550	APPARI BHANU AKSHAYA SAI SHRIYA	II-II	A.P.A.S. Shriya
40	19MD1A0551	CHAKKA SNEHITHA	II-II	Ch. Snehitha
41	19MD1A0552	CHITTA LAKSHMI SATYA SRINIVAS	II-II	C.L.S.Srinivas
42	19MD1A0553	CHITTURI CHANDINI	II-II	C. Chandini
43	19MD1A0554	CHITTURI MOUNIKA VENKATA SRI LAKSHMI	III-II	C.M.V.S. Lakshmi
44	19MD1A0570	KANDELLI VIJAYA RATHNA KUMARI	II-II	K.V.R. Kumari
45	19MD1A0571	KANDULA AMRUTHAVALLI	III-II	K. Amruthavalli
46	19MD1A0572	KONDREDDY NIKHIL SURYA	III-II	K.N. Surya
47	19MD1A0573	KOTA SAI TARUN	III-II	K.S. Tarun
48	19MD1A0574	MADDALA JAHNAVI NAGA BHANU	II-II	M.J.N. Bhanu
49	19MD1A0575	MEDIBOYINA SAI RAJ	II-II	M.S. Raj
50	19MD1A0576	MENDU SRAVYA	III-II	M. Prave
51	19MD1A0577	MOGALLAPU VEERA VENKATA NAVEEN	II-II	M.V.V. Naveen
52	19MD1A0578	NACHIREDDY RUPA A NAGALAKSHMI	III-II	H.R. Nagalakshmi
53	19MD1A0579	NARAMAMIDI RAMYA	III-II	N. Ramya
54	19MD1A0580	PALADUGULA TEJA SAI LAKSHMI	III-II	P.T.S. Lakshmi



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56	19MD1A0582	PIRATLA VEERA VENKATA SATYANARAYANA	III - II	P.V. Satyanarayana
57	19MD1A0583	PONUGUMATLA RAJU	II - II	P. Raju
58	19MD1A0584	PUNNAMRAJU SIREESHA	II - II	P. Sireesha
59	19MD1A0585	SAI RAM PEMMIREDDY	II - II	S.R. Pemmireddy
60	19MD1A0586	SATTI VENKATA SAI REDDY	II - II	S.V.S Reddy
61	19MD1A0587	SHAIK FIZA	III - II	S. Fiza
62	19MD1A0588	SIDDANA SAI PRAVEEN KUMAR	III - II	S. S. Praveen Kumar
63	19MD1A0589	SUNKARA SHYAM PRASAD	II - II	S. Shyam Prasad
64	19MD1A0590	THOTAKURA NAGA VAMSI	II - II	T. Naga Vamsi
65	19MD1A0591	THUMU DURGA TANUJA	II - II	T. Durgatanuja
66	19MD1A0592	VEMPATI RATNA SRESHNAVI	II - II	V. R. Sreshnavi
67	19MD1A0593	VETCHA SHYAM	III - II	V. Shyam
68	19MD1A0594	YALAMATI NAGA SUPRAJA	II - II	Y.N. Supraja
69	19MD1A0540	SOMU LAKSHMI	II - II	S. Lakshmi
70	19MD1A0541	TANAKALA MANIKANTA	II - II	T. Manikanta
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72	19MD1A0543	THOTA TRINADH	II - II	T. Trinadh
73	19MD1A0544	THOTA YESASWINI	II - II	T. Yesaswini

*M. Ash*  
Principal

Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajamahendravaram-533107  
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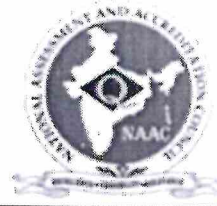
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42	19MD1A0553	CHITTURI CHANDINI	P	P	P	P	P	P	P	P	P	P	P	P
43	19MD1A0554	CHITTURI M V S LAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P
44	19MD1A0570	KANDELLI V R KUMARI	P	P	P	P	P	P	P	P	P	P	P	P
45	19MD1A0571	KANDULA AMRUTHAVALLI	P	P	P	P	P	P	P	P	P	P	P	P
46	19MD1A0572	KONDREDDY NIKHIL SURYA	P	P	P	P	P	P	P	P	P	P	P	P
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48	19MD1A0574	MADDALA J N BHANU	P	P	P	P	P	P	P	P	P	P	P	P
49	19MD1A0575	MEDIBOYINA SAI RAJ	P	P	P	P	P	P	P	P	P	P	P	P
50	19MD1A0576	MENDU SRAVYA	P	P	P	P	P	P	P	P	P	P	P	P
51	19MD1A0577	MOGALLAPU V V NAVEEN	P	P	P	P	A	P	P	P	P	P	P	P
52	19MD1A0578	NACHIREDDY R A N LAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P
53	19MD1A0579	NARAMAMIDI RAMYA	P	P	P	P	P	P	P	P	P	P	P	P
54	19MD1A0580	PALADUGULA T S LAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P
55	19MD1A0581	PIRATLA SRINIVASU	P	P	P	P	P	P	P	P	P	P	P	P
56	19MD1A0582	PIRATLA V V S NARAYANA	A	P	P	P	P	P	P	P	P	P	P	P
57	19MD1A0583	PONUGUMATLA RAJU	P	P	P	P	P	P	P	P	P	P	P	P
58	19MD1A0584	PUNNAMRAJU SIREESHA	P	P	P	P	P	P	P	P	P	P	P	P
59	19MD1A0585	SAI RAM PEMMIREDDY	P	P	P	P	P	P	P	P	P	P	P	P
60	19MD1A0586	SATTI VENKATA SAI REDDY	P	P	P	P	P	P	P	P	P	P	P	P
61	19MD1A0587	SHAIK FIZA	P	P	P	P	P	P	P	P	P	P	P	P
62	19MD1A0588	SIDDANA S P KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
63	19MD1A0589	SUNKARA SHYAM PRASAD	P	P	P	P	P	P	P	P	P	P	P	P
64	19MD1A0590	THOTAKURA NAGA VAMSI	P	P	P	P	P	P	A	P	P	P	P	P



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## INSTITUTE OF ENGINEERING & TECHNOLOGY

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



65	19MD1A0591	THUMU DURGA TANUJA	P	P	P	P	P	P	P	P	P	P	P	P
66	19MD1A0592	VEMPATI RATNA SRESHNAVI	P	P	P	P	P	P	P	P	P	P	P	P
67	19MD1A0593	VETCHA SHYAM	P	P	P	P	P	P	P	P	P	P	P	P
68	19MD1A0594	YALAMATI NAGA SUPRAJA	P	P	P	P	A	P	P	P	P	P	A	P
69	19MD1A0540	SOMU LAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P
70	19MD1A0541	TANAKALA MANIKANTA	P	P	P	P	P	A	P	P	P	P	P	P
71	19MD1A0542	THAMMINA S KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
72	19MD1A0543	THOTA TRINADH	P	P	P	P	P	P	P	P	P	P	P	P
73	19MD1A0544	THOTA YESASWINI	P	P	P	P	P	P	P	P	P	P	P	P

  
Principal

Rajamahendri Institute of Engineering & Technology  
Bhoopalapatnam, Rajahmundry-533 10  
E.G. Dist., (A.P)





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22-12-2021

## PROGRAM REPORT

**Name and Title of the Program: An Add on 2 Week Certificate Program on “Big Data Analytics”**

**Course of Duration: 06-12-2021 to 18-12-2021**

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

1. Provide a comprehensive understanding of Big Data Analytics fundamentals.
2. Equip participants with technical skills for working with Big Data tools.
3. Introduce machine learning and deep learning for data analysis.
4. Foster hands-on experience and practical application.
5. Train participants in data exploration, preprocessing, and visualization.
6. Familiarize participants with NoSQL databases and handling unstructured data.
7. Teach real-time data processing with tools like Apache Kafka.
8. Educate participants on data security, privacy, and compliance.
9. Integrate cloud computing for scalable Big Data solutions.
10. Encourage project development for practical problem-solving.
11. Enhance communication and presentation skills for effective reporting.
12. Keep participants updated on industry trends and emerging technologies.
13. Provide a valuable certification upon program completion.

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

1. Understand Big Data fundamentals and its significance.
2. Use Big Data tools effectively for data management.
3. Apply machine learning for predictive modeling.
4. Utilize deep learning techniques for advanced data analysis.
5. Apply learned skills to real-world problem-solving.
6. Explore and analyze data to derive meaningful insights.
7. Work with NoSQL databases for unstructured data handling.

8. Process real-time data using tools like Apache Kafka.
9. Implement data security measures and comply with privacy regulations.
10. Integrate cloud computing for scalable data solutions.
11. Lead and manage Big Data projects effectively.
12. Communicate data findings and results clearly.
13. Stay updated on industry trends and emerging technologies.
14. Receive a certificate of proficiency upon program completion for enhanced career opportunities in Big Data Analytics.

**No. of Participants: 73**



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### RESOURCE PERSON PROFILE

**Name of the certificate program:** An add on 2 week certificate program on “Big Data Analytics”



**Name of the Resource Person:** Mrs. K. Jyothi

She was completed M.Tech in Computer Science and Engineering and technology at Godavari Institute of Engineering and Technology , Three years of excellent teaching skills in Software Engineering and Programming Languages. Assistant professor in the Computer Science and Engineering Department and she chaired the technical sessions held in college, significant research contributions, and leadership within the academic community. Beyond being an educator , she is a guide students navigate the complexities of computer science.

  
Signature

(Co-ordinator)

  
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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. THOTA TRINADH

*has participated in*

*A Two-Week Program on "Big Data Analytics"*

**06/12/21 to 18/12/21**

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

Dr. M. Murali Krishna  
Principal



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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. DASARI L.S. SINDHUJA

*has participated in*

A Two-Week Program on "Big Data Analytics"

**06/12/21 to 18/12/21**

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

Dr. M. Murali Krishna  
Principal



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## Organizing Committee

### Chief Patron

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

Chairman, Swarnandhra Educational Society

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Vice-chairman, Swarnandhra Educational Society

**Sri. G. Sai Radha Krishna**

Secretary & Correspondent, Swarnandhra Educational Society

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Vice-Chairman, Swarnandhra Educational Society

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

Treasurer, Swarnandhra Educational Society

### Chairperson

**Dr. M. Murali Krishna**

Principal, RIET

### Convener

**Mr. T. Gangadhar Rao**

Head of the Department,  
Department of Electronics and  
Communication Engineering

Email id: [tgangadharao1990@gmail.com](mailto:tgangadharao1990@gmail.com)

### Co-ordinator

**Mr. K. Ravi Kumar**

Assistant Professor,  
Department of Electronics and  
Communication Engineering

Mobile No: +91 9010885474

Email id: [ravikothapalli222@gmail.com](mailto:ravikothapalli222@gmail.com)

## A Two-Week Certificate Program on "Python Programming"

### 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.  
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HOD



## A Two-Week Certificate Program on "Python Programming"

*Schedule:*

07/12/2021 to 21/12/2021

*Venue: Seminar Hall*



Organized  
by  
Department of  
Electronics and Communication  
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 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh 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.

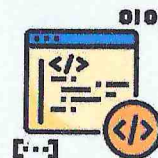
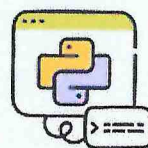
All the management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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



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

## Topics to be Covered

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

## Outcome of the event

- After attending the certificate program students will be able to Use if-else statements and switch-case statements to write programs in python to tackle any decision-making scenario.
- Master object-oriented programming to create an entire python project using objects and classes.
- Store and retrieve information using variables

## Resource Person

**Mr. Ch. Gopi**

Assistant Professor,  
Department of Computer Science  
and Engineering

Mobile No: +91 8179300991

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







Date: 04-12-2022

**PROGRAMSCHEDULE**

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

Duration	Program
<b>Day1:07-12-20210</b> 9:30AM-12:50PM 01:30PM-03:50PM	➤ Introduction to Python
<b>Day2: 08-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Program Development ➤ Data Types and Expressions
<b>Day3: 10-12-202</b> 109:30AM-12:50PM 01:30PM-03:50PM	➤ String Assignment ➤ Numeric Data types
<b>Day4: 11-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Character Sets
<b>Day5: 13-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Using Function and Modules
<b>Day6: 14-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Decision Structures ➤ Boolean logic
<b>Day7: 15-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Nested Decision Structures
<b>Day8: 16-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Comparing Strings ➤ Logic Operators
<b>Day9: 17-12-2021</b> 09:30AM-12:50PM 01:30PM03:50PM	➤ Boolean Variables



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<b>Day10: 18-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Repetition structures
<b>Day11: 20-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Calculating a Running Tool
<b>Day12: 21-12-2021</b> 09:30AM-12:50PM 01:30PM-03:50PM	➤ Input Validation Loops

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

**NAME OF THE PROGRAM : A Two Week Add on Program on Python programming**  
**STUDENTS LIST**

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

M. Lakshmi  
Principal

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18	19MD1A0418	MADDULA PUJITHA DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P
19	19MD1A0419	SATYAM GOUTHAMI	P	P	P	P	P	P	P	P	P	P	P	P	P
20	19MD1A0420	SIRIGINEEDI TINKU SURENDRA	P	P	P	P	P	P	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	B	A	A	A	A
23	19MD1A0424	VEMAGIRI SUSHMA	P	P	P	P	P	P	P	P	P	P	P	P	P
24	19MD1A0425	YERROJU JAHNAVI PUSHPALATHA	P	P	P	P	P	P	P	P	P	P	P	P	P
25	19MD1A0426	YERUBANDI VENKATESH	P	P	P	P	P	P	P	P	P	P	P	P	P

H. S. S.

Principal

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Date: 24-12-2021

### PROGRAM REPORT

**Name and Title of the Program:** “A Two-Week Certificate Program on Python Programming”

**Date & Time:** 07-12-2021 to 21-12-2021 & 10:00AM to 5:00PM

**Resource Person:** Mr. CH. GOPI, Assistant Professor, RIET

**Name of the Coordinator:** Mr. K. Ravi Kumar, Assistant Professor, RIET

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

- The Objectives of Python Programming are
- To learn about Python programming language syntax, semantics, and the runtime environment
- To be familiarized with universal computer programming concepts like data types, containers
- To be familiarized with general computer programming concepts like conditional execution, loops & functions
- To be familiarized with general coding techniques and object-oriented programming

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

- Develop essential programming skills in computer programming concepts like data types, containers.
- Apply the basics of programming in the Python language
- Solve coding tasks related conditional execution, loops
- Solve coding tasks related to the fundamental notions and techniques used in object-oriented programming.

**No of Participants: 25**

  
Coordinator




**RESOURCEPERSONPROFILE**

**Name of the Certificate Program: "A Two- Week Certificate Program on "Python Programming"**



**Name of the Resource Person: Mr. CH.GOPI**

He completed M.Tech in ECE at JNTUK, 6 years of excellent teaching skills in relevant subjects. His area of specialization on Micro Wave Engineering and Best Knowledge in python. 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.

  
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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. DASARI SKVVD BHAVANI

has Participated in

An Add-On Two Week Certificate Program On "Python  
Programming"

07/12/2021 to 21/12/2021

**Mr. T. Gandhara Rao**  
HOD, Dept. of. ECE

**Dr. M. Murali Krishna**  
Principal

  
**PRINCIPAL**  
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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. CHITTA VENKATESH

has Participated in

An Add-On Two Week Certificate Program On "Python  
Programming"

07/12/2021 to 21/12/2021

**Mr. T. Gandhara Rao**  
HOD, Dept. of. ECE

**Dr. M. Murali Krishna**  
Principal

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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: [patcharao.666@gmail.com](mailto:patcharao.666@gmail.com)

### Coordinator

**Mr. P. Murali Krishna**

Assistant Professor

Department of Mechanical Engineering

Mobile No: +91 9490041529

Email id: [pvmkrishna.423@gmail.com](mailto:pvmkrishna.423@gmail.com)

## A Two-Week Certificate Program on

# “FDM IN 3D PRINTING”

## REGISTRATION FORM

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

Date:

Station:

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RAJAMAHENDRAVARAM-533 107. E.G.Dist.

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## A Two-Week Certificate Program on

# “FDM IN 3D PRINTING”

*Schedule:*

20/12/2021 to 01/01/2022

Venue: Seminar Hall



Organized  
by

Department of  
MECHANICAL 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 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh year of its existence. The college is making rapid strides in the field of technical education and has emerged as a reputed institution in the JNTUK, Kakinada, Andhra Pradesh region. The institution always tries to look ahead in pursuit of excellence. All the management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the

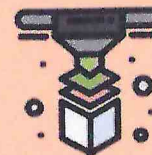
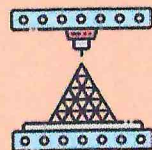
institution for better performance in Engineering & Technology programmes.



## About the Department

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

## About the Program



3D Printing, sometimes called additive manufacturing or rapid prototyping, is all about building 3D objects using plastic and other materials from a digital design. As a technology, it has actually been around and in use by engineers and designers. The usage of some personal 3D printers is going to make an impact on the industry by reducing the price of the product in a drastic way..

## Learning outcomes

- ✧ Understand the basics of 3D Printing.
- ✧ Develop a CAD model for their 3D printer
- ✧ Select and install from various firmware.
- ✧ Calibrate the printer for best performance
- ✧ Operate the 3D printer to produce required objects

## Resource Person

**Dr. M. Murali Krishna**

Principal,

RIET .

Mobile no. : +91 9492920235

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





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eMail: office@rietrjy.co.in

Website: www.rietrjy.co.in

Ph: +91 91212 14413



Date:16-12-2021

### PROGRAM SCHEDULE

Program Schedule for “A Two Week Add-on Program on FDM in 3D Printing”

Duration	Program
<b>Day1:</b> 20-12-2021 10:00AM-12:40PM 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Introduction to the 3D Printing</li> <li>• History of 3D Printing</li> <li>• 3D Printing in space</li> </ul>
<b>Day2:</b> 21-12-2021 10:00AM-12:40 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Types of 3D Printing</li> <li>• General applications</li> <li>• 3D Printing in industries</li> </ul>
<b>Day3:</b> 22-12-2021 10:00AM-12:40 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Liquid based rapid prototyping</li> </ul>
<b>Day4:</b> 23-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Solid ground curing</li> <li>• Working principal</li> </ul>
<b>Day5:</b> 24-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Solid based rapid prototyping</li> </ul>
<b>Day6:</b> 27-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• fused deposition modelling</li> </ul>
<b>Day7:</b> 28-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Powder based rapid proto typing</li> </ul>
<b>Day8:</b> 29-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Rapid tooling</li> </ul>
<b>Day9:</b> 30-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Rapid prototyping formats</li> </ul>
<b>Day10:</b> 31-12-2021 10:00AM-12:30 1:30PM-3:30PM	<ul style="list-style-type: none"> <li>• Advantages, dis advantages</li> <li>• applications of rapid proto typing</li> </ul>

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



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### NAME OF THE PROGRAM : A TWO WEEK CERTIFICATE PROGRAM ON FDM ON 3D PRINTING STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1.	18MD5A0301	ABDUL BASHEER	IV - II	A. Basheer
2.	18MD5A0302	BARLA RAMESH	IV - II	B. Ramesh
3	18MD5A0303	BATTINA D V VARA PRASAD	IV - II	B. D.V. Varaprasad
4.	18MD5A0304	BUDAMPARTHI R GOWRISWEAR	IV - II	B. Gowriswear
5.	18MD5A0305	CHOKKAPU MAHESH	IV - II	C. Chokkapu mahesh
6.	18MD5A0306	JANA AKASH	IV - II	J. AKASH
7.	18MD5A0307	KADULURI VENKATA RAMANA	IV - II	K.v. Ramana
8	18MD5A0308	KAMIREDDY SAI VINAY	IV - II	K. Sai Vinay
9	18MD5A0309	KILANI KUSUMA SHIVANI	IV - II	K. Shivani
10	18MD5A0310	KILANI LALITHA BHAVANI	IV - II	K. Bhavani
11	18MD5A0311	KUSETTI SHANMUK SAIDEVESH	IV - II	K. saidevesh
12	18MD5A0312	MEDAPATI MANISHA	IV - II	M. Manisha
13	18MD5A0313	MOHAMMED MOZAMIL	IV - II	MD. Mozamil
14	18MD5A0314	MULAGA SAINADH	IV - II	M. Sainadh
15	18MD5A0315	NILUROTHI RAJESH	IV - II	N. Rajesh
16	18MD5A0316	NIMMAKAYALA VAMSI KRISHNA	IV - II	N. Vamsi Krishna
17	18MD5A0317	NULU USHA KIRAN	IV - II	N. usha Kiran
18	18MD5A0319	PAPPU GANESH	IV - II	P. Ganesh
19	18MD5A0321	SEERAPU Y S NAGENDRA REDDY	IV - II	S.Y.S.N REDDY
20	18MD5A0322	SHAIK LAL THAYYAB ALI	IV - II	S.L. Thayyab ali.
21	18MD5A0323	SIRIPURAPU CHARAN ROHITH	IV - II	S. Charan
22	18MD5A0324	SOMANA TEJA ESWARA NARASIMHA	IV - II	S. Narasimha
23	18MD5A0325	TAANALA DINESH	IV - II	T. Dinesh
24	18MD5A0326	UPADRASHTA S V KAMESWARA RAO	IV - II	U. Kameswara Rao
25	18MD5A0327	VEERAPARAJU V V P BABU	IV - II	V.V.V.P. Babu
26	18MD5A0328	VENNAPU PREM KUMAR	IV - II	V. Prem Kumar



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27	19MD1A0301	AVIDI JYOTHI DURGA PRASAD	III - II	A.J.D. Prasad
28	19MD1A0302	BERI SATYA SAINATH	IV - II	B. Satya Sainath
29	19MD1A0303	BOYIDI R C A VENKATESH	IV - II	B.RCA Venkatesh
30	19MD1A0304	ELURI SAI BABU	III - II	E. SAI BABU
31	19MD1A0305	KODA TARUN	III - II	K. Tarun
32	19MD1A0306	KOTHAPALLI MAHESH	IV - II	K. Mahesh
33	19MD1A0308	MAMIDI KRUPAVARAM	IV - II	M. Krupavaram
34	19MD1A0309	NIMMALAPUDI VISWESH	IV - II	N. Viswesh
35	19MD1A0310	TAILAM TRINADH V V PRAMOD	III - II	T. PRAMOD
36	19MD1A0311	TETALA VENKATA SIVA REDDY	III - II	<del>T. Venkata Siva Reddy</del>
37	19MD1A0312	AVIDI BALA SUBRAHMANYAM	IV - II	A.B. Subrahmanyam
38	21MD5A0301	KAVULURI VIVEKANANDA	I - II	K. Vivekananda
39	21MD5A0302	KOTAPADU SHYAM SUNDAR SAI	I - II	K. Shyam Sai
40	21MD5A0303	LANKA VIVEK	I - II	L. VIVEK
41	21MD5A0304	MARGANI MURALI	I - II	M. Murali
42	21MD5A0305	MOKKA B SRINIVASA REDDY	I - II	M. Srinivasa
43	21MD5A0306	MUNGANDI MOHAN KRISHNA	I - II	M. M. Krishna
44	21MD5A0307	PALISSETTY SAI NAGAMANI KISHORE	I - II	P. Kishore
45	21MD5A0308	SANAGALA SRINIVASA RAO	I - II	S. Srinivasa Rao

H. Lakshmi  
Principal

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## DAY WISE ATTENDANCE SHEET

NAME OF THE PROGRAM : A TWO WEEK CERTIFICATE PROGRAM ON FDM IN 3D PRINTING

S.NO.	Regd.No.	Name of the student	20/12	21/12	22/12	23/12	24/12	27/12	28/12	29/12	30/12	31/12
1	18MD5A0301	ABDUL BASHEER	P	P	P	P	P	P	P	P	P	P
2	18MD5A0302	BARLA RAMESH	P	P	P	P	P	P	P	P	P	P
3	18MD5A0303	BATTINA D V VARA PRASAD	P	P	P	P	P	P	P	P	P	P
4	18MD5A0304	BUDAMPARTHI R GOWRISWEAR	P	P	P	P	P	P	P	P	P	P
5	18MD5A0305	CHOKKAPU MAHESH	P	A	P	P	P	P	P	P	P	P
6	18MD5A0306	JANA AKASH	P	P	P	P	P	A	P	A	P	P
7	18MD5A0307	KADULURI VENKATA RAMANA	P	P	P	P	P	P	P	P	P	P
8	18MD5A0308	KAMIREDDY SAI VINAY	P	P	P	P	P	P	P	P	P	P
9	18MD5A0309	KILANI KUSUMA SHIVANI	A	P	P	P	P	P	P	P	P	P
10	18MD5A0310	KILANI LALITHA BHAVANI	P	P	P	P	P	P	P	P	P	P
11	18MD5A0311	KUSETTI SHANMUK SAIDEVESH	P	P	P	P	P	P	P	P	P	P
12	18MD5A0312	MEDAPATI MANISHA	P	P	P	P	P	P	A	P	P	P
13	18MD5A0313	MOHAMMED MOZAMIL	P	P	A	P	P	P	P	P	P	P
14	18MD5A0314	MULAGA SAINADH	P	P	P	A	P	P	P	P	P	P
15	18MD5A0315	NILUROTHI RAJESH	P	P	P	P	P	P	P	P	P	P
16	18MD5A0316	NIMMAKAYALA VAMSI KRISHNA	P	P	P	P	P	P	P	P	P	P
17	18MD5A0317	NULU USHA KIRAN	P	P	P	P	P	P	P	P	P	P
18	18MD5A0319	PAPPU GANESH	P	P	P	P	P	A	P	P	P	P





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19	18MD5A0321	SEERAPU Y S NAGENDRA REDDY	P	P	P	P	P	P	P	P	P	P
20	18MD5A0322	SHAIK LAL THAYYAB ALI	P	P	P	P	A	P	P	P	P	P
21	18MD5A0323	SIRIPURAPU CHARAN ROHITH	P	A	P	P	A	P	P	P	P	P
22	18MD5A0324	SOMANA TEJA ESWARA NARASIMHA	P	P	P	P	P	P	P	P	P	P
23	18MD5A0325	TAANALA DINESH	P	P	P	P	P	P	P	P	P	P
24	18MD5A0326	U S V KAMESWARA RAO	P	P	P	P	P	A	P	P	P	P
25	18MD5A0327	VEERAPARAJU V V P BABU	P	P	P	P	P	P	A	P	P	P
26	18MD5A0328	VENNAPU PREM KUMAR	P	P	P	A	P	P	A	P	P	P
27	19MD1A0301	AVIDI JYOTHI DURGA PRASAD	A	P	P	P	P	P	P	P	P	A
28	19MD1A0302	BERI SATYA SAINATH	P	P	P	P	P	P	P	P	P	P
29	19MD1A0303	BOYIDI R C A VENKATESH	P	P	A	P	P	P	P	P	P	P
30	19MD1A0304	ELURI SAI BABU	P	P	P	P	P	P	P	P	P	P
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33	19MD1A0308	MAMIDI KRUPAVARAM	P	P	P	P	P	P	P	P	P	P
34	19MD1A0309	NIMMALAPUDI VISWESH	P	P	P	P	P	P	P	P	P	P
35	19MD1A0310	TAILAM TRINADH V V PRAMOD	P	P	P	P	P	P	P	P	P	P
36	19MD1A0311	TETALA VENKATA SIVA REDDY	P	P	P	P	P	P	P	P	P	P
37	19MD1A0312	AVIDI BALA SUBRAHMANYAM	P	P	P	P	P	P	P	P	P	P
38	21MD5A0301	KAVULURI VIVEKANANDA	P	P	P	P	P	P	P	P	P	P
39	21MD5A0302	KOTAPADU S SUNDAR SAI	P	P	P	P	P	P	P	P	P	P
40	21MD5A0303	LANKA VIVEK	P	P	P	P	P	P	P	P	P	P
41	21MD5A0304	MARGANI MURALI	P	P	P	P	P	P	P	A	P	P



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42	21MD5A0305	MOKKA B SRINIVASA REDDY	P	A	P	P	P	P	P	P	P	P
43	21MD5A0306	MUNGANDI MOHAN KRISHNA	P	P	P	A	P	P	P	A	P	P
44	21MD5A0307	PALISSETTY S NAGAMANI KISHORE	A	P	P	P	P	A	P	P	P	P
45	21MD5A0308	SANAGALA SRINIVASA RAO	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)



Date: 03-01-2022

### Program Report

**Name of the Event:** A Two-Week Add-on Programs On “FDM in 3D Printing”.

**Date / Duration:** 20-12-2021 to 01-01-2022, 10:00 AM to 5:00 P.M.

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

The Program is of 2 weeks. The course is aimed at giving knowledge on the Development of FDM based 3D Printer. This course will make the learner to select materials on their own to build and use their own 3D printers which were designed using commercial CAD software.

#### **Outcome 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.
- Develop a CAD model for their 3D printer.
- Select the mechanical and electronic components required to make their 3D printer.
- Operate various open source software used for slicing the STL files
- Select and install from various firmware.
- Calibrate the printer for best performance
- Operate the 3D printer to produce required objects.

**Number of students attended:44**



## RESOURCE PERSON PROFILE

Name of the Resource Person: Dr. M Murali Krishna



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

  
CO-ORDINATOR

  
PRINCIPAL  
RAJAMAHENDRI  
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W: www.rietry.co.in

P: +91 9121214413

***Participation Certificate***

This is to certify that

Mr./Mrs./Ms. G. Praveen

has participated in

A Two week Certificate Program On

“FDM IN 3D PRINTING”

20/12/2021 to 01/01/2022

**Mr. P. ATCHA RAO**  
HOD, Dept. of Mech

**Dr. M. Murali Krishna**  
Principal

**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. P.D. Srinivas**

Head of the Department,  
Department of Electrical and Electronics  
Engineering

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

### Coordinator

**Mr. P. Kondala Rao**

Assistant Professor,  
Department of Electrical and Electronics  
Engineering

Mobile No: +91 8500496799

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


## A Two-Week Certificate Program on

# “Internet of Things”

## REGISTRATION FORM

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

Date:

Station: 

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

HOD



## A Two-Week Certificate Program on

# “Internet of Things”

Date:

07/02/2022 to 19/02/2022

Venue: LH-309, RIET



Organized  
by  
Department of  
Electrical and Electronics Engineering

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## About the Institute

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

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech., with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch were started with an intake of 60 in the year 2011. RIET has completed 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh 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

Introduce some background and related technologies of IOT and discuss the

concepts and objectives of IOT. Present the challenges and key scientific problems involved in IOT development. After attending the workshop students will be able to Improve Efficiency. Data is key to successfully improving productivity and operational efficiency with IOT solutions, Gain Competitive Edge, Expand Your IOT View.



## Topics to be Covered

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



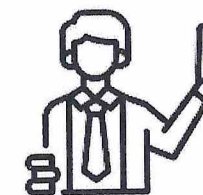
## Resource Person

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

Associate Professor

Mobile No:+91 9491424256

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





Date: 05/02/2022

**Program Schedule for “A Two Week Add-on Program on Internet of Things”**

Duration	Program
<b>Day1: 07/02/2022</b>  10:00AM-12:40  1:30PM-3:30PM	Introduction to IoT
<b>Day2: 08/02/2022</b>  10:00AM-12:40  1:30PM-3:30PM	IoT and M2M
<b>Day3: 09/02/2022</b>  10:00AM-12:40  1:30PM-3:30PM	Introduction to Python
<b>Day4: : 10/02/2022</b>  10:00AM-12:30  1:30PM-3:30PM	Iot Physical Devices and End Points
<b>Day5: 11/02/2022</b>  10:00AM-12:30  1:30PM-3:30PM	Iot Physical Server and Cloud Offering
<b>Day6: 12/02/2022</b>  10:00AM-12:30  1:30PM-3:30PM	Web Server for Iot
<b>Day7: 14/02/2022</b>  10:00AM-12:30	Edge computing



1:30PM-3:30PM	
<b>Day8: 15/02/2022</b> 10:00AM-12:30 1:30PM-3:30PM	Edge computing
<b>Day9: 16/02/2022</b> 10:00AM-12:30 1:30PM-3:30PM	machine learning and artificial intelligence (AI)
<b>Day10: 17/02/2022</b> 10:00AM-12:30 1:30PM-3:30PM	security and privacy
<b>Day11: 18/02/2022</b> 10:00AM-12:30 1:30PM-3:30PM	smart cities
<b>Day12: 19/02/2022</b> 10:00AM-12:30 2:00PM-3:45PM	Iot Physical Devices and End Points

  
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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 ADD ON PROGRAM ON INTERNET OF THING STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR BRANCH	SIGNATURE
1	18MD1A0201	ARI KALYAN	IV / I	A. Kalyan
2	18MD1A0202	BHUVANESWARI VEERLA	IV / I	V. Bhuvaneshwari
3	18MD1A0203	CHINTAPARTHI DURGA KALYAN	IV / I	C. D. Kalyan
4	18MD1A0204	GANTA CHANDRA SEKHA	IV / I	G. Chandra Sekha
5	18MD1A0205	GUMPANA BINDU BHARGAVI	IV / I	G. B. Bhargavi
6	18MD1A0206	GUTHURTHI MURALI SRINIVAS	IV / I	G. M. Srinivas
7	18MD1A0207	JAMMASULA BALA SAI RAGHU RAM	IV / I	J. B. S. Raghu Ram
8	18MD1A0208	KOTHAPALLI VEERA VENKATA SAI DURGA	IV / I	K. V. V. Sai Durga
9	18MD1A0209	LEGA BALA BHASKAR	IV / I	L. B. Bhaskar
10	18MD1A0210	MANDA DURGA VENKATA VIJAYA	IV / I	M. D. V. Vijaya
11	18MD1A0211	PERUMALLA HARI KRISHNA	IV / I	P. H. Krishna
12	18MD1A0212	RAVI DURGA	IV / I	Ravi Durga
13	18MD1A0213	RAYAVARAPU SAI SUMANTH	IV / I	S. Sumanth
14	18MD1A0214	ROKKAM RAMYA	IV / I	R. Ramya
15	18MD1A0215	UPPULURI JAGADEESH SAI	IV / I	U. Jagadeesh
16	19MD5A0201	NAALAM MANIKANTA	IV / I	N. Manikanta
17	19MD5A0202	PAKA PRAVEEN	IV / I	P. Praveen
18	19MD5A0203	POSAMSETTI ANITHA GANGA	IV / I	P. Anitha Ganga
19	19MD5A0204	TULURI KAVYA	IV / I	T. Kavya
20	19MD5A0205	VASANTHADA GOWTHAM	IV / I	V. Gowtham
21	17MD1A0202	AKULA VENKATARANGA NAIDU	IV / I	A. V. Naidu
22	18MD5A0202	ANAPU CHANDRA MOULI	IV / I	A. Chandra Mouli
23				
24				
25				

M. L. S.  
Principal

Rajamahendri Institute of Engineering & T.  
Bhoopalapatnam, Rajahmundry-53.  
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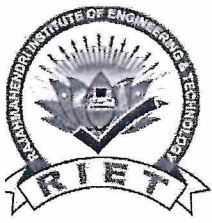


19	19MD5A0204	TULURI KAVYA	P	P	P	P	P	P	P	P	P	P	P	P
20	19MD5A0205	VASANTHADA GOWTHAM	P	P	P	P	P	P	P	A	P	P	P	P
21	17MD1A0202	AKULA VENKATARANGA NAIDU	P	P	P	P	P	P	P	P	P	P	P	P
22	18MD5A0202	ANAPU CHANDRA MOULI	P	P	P	P	P	P	P	P	P	P	P	P

H. Lakshmi

Principal

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



Date: 21-02-2022

### Program Report

**Name of the Event:** A Two Week Add-on Program On Internet Of Things

**Date / Duration:** 07/02/2022 to 19/02/2022 10:00 A.M to 5:00 P.M.

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

**Name of Coordinator:** Mr P.Kondala Rao  
Assistant Professor, Dept.of EEE

**Number of students attended:** 22

**Objective of the event:**

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

**Topics Covered:**

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



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### Outcomes of the event:

After attending the workshop students will be able to

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





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### RESOURCE PERSON PROFILE

Name of the Certificate Program: “A Two Week Add-on Program on Internet of Things”



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

He is completed M.Tech in Computer Science and Engineering at JNTUK, 16 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.

  
CO-ORDINATOR

  
PRINCIPAL  
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**Participation certificate**


This is to certify that


Mr./Mrs./Ms. A.V. NATU

has participated in

**"A Two Week Program On Internet Of Thing"**

**07/02/2022 to 19/02/2022**

  
Mr. P. V. Srinivas  
HOD, Dept. of. EEE

  
Dr. M. Murali Krishna  
Principal

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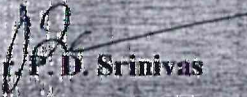
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Dr. M. Murali Krishna  
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Dr. M. Murali Krishna  
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HOD, Dept. of. EEE

  
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This is to certify that


Mr./Mrs./Ms. N. MANIKANTA

has participated in

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**07/02/2022 to 19/02/2022**

  
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Dr. M. Murali Krishna  
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eMail: office@rietrjy.co.in Website: www.rietrjy.co.in Ph: +91 91212 14413



Date:22-02-2022

### CIRCULAR

It is here by informed to all IV<sup>th</sup> B.Tech ECEII<sup>nd</sup> Sem that is our college conducting **A Two Week Certificate Program On "EMBEDDED SYSTEMS"** on 01<sup>st</sup>March 2022 to 12<sup>th</sup> March2022. All the students give their names to coordinator listed below on or before 26<sup>th</sup>February2022. Hence all the students here by informed to attend the classes without fail.

Venue: Seminar Hall, RIET

Coordinator: Ms. D. Jyothi, Assistant Professor, Dept .of ECE,RIET.

*M. Murali Krishna*  
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	<i>JK</i> <i>JK</i>		<i>JK</i>	-----	<i>Dr. pueen</i>
B.Tech.2ndYear	<i>JK</i>		<i>JK</i>	-----	-----
B.Tech. 3rdYear	<i>JK</i> <i>JK</i>		<i>JK</i> <i>JK</i>	<i>JK</i>	-----
B.Tech.4thYear	<i>JK</i>	<i>P.N.C.</i>	<i>Jyothi</i> <i>JK</i>	<i>JK</i>	-----
ALLHOD'S	<i>JK</i>	<i>Jyothi</i>		<i>JK</i>	<i>Dr. pueen</i>
IQAC	ACCOUNTS	PLACEMENT CELL	TRANSPORT DEPT.	LIBRARY	EXAM SECTION
<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

**Mr. T. Gangadhar Rao**

Head of the Department,  
Department of Electronics and Communication Engineering

Email id: [tgangadharrao1990@gmail.com](mailto:tgangadharrao1990@gmail.com)

### Co-ordinator

**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)

## 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):

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INSTITUTE OF ENGINEERING TECHNOLOGY  
BHOOPALAPATNAM.

Date: \_\_\_\_\_  
Station: \_\_\_\_\_

**HOD**



## A Two-Week Certificate Program on

# “EMBEDED SYSTEMS”

*Schedule:*

**01/03/2022 to 12/03/2022**

*Venue: Seminar Hall*



Organized  
by  
Department of  
Electronics and Communication  
Engineering

**RAJAMAHENDRI**  
INSTITUTE OF ENGINEERING &  
TECHNOLOGY

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

## About the Institute

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

The college is affiliated to JNTUK Kakinada and approved by AICTE, New Delhi, Accredited by NAAC and Govt. of Andhra Pradesh. The college was started in the year 2008 with an intake of 240 students in 4 branches of B.Tech with 60 students each in EEE, ECE, CSE and Mechanical Engineering branch were started with an intake of 60 in the year 2011. RIET has completed 13 years of successful functioning in the areas of Teaching, Learning, Evaluation, Research, Career planning, Training and Placement and is now in its eleventh 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

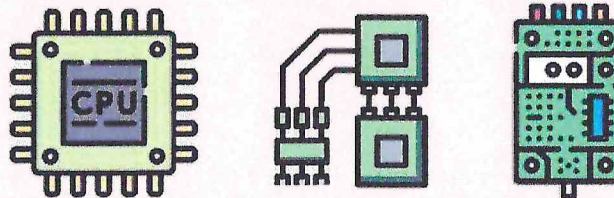
management members of the college believe in adapting to the changes in advanced technologies. They continuously develop the infrastructural and instructional facilities of the institution for better performance in Engineering & Technology programmes.



## 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. T. Gangadhar Rao**

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





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



Date:25-02-2022

### PROGRAMSCHEDULE

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

Duration	Program
<b>Day1:</b> 01-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	➤ Introduction to Embedded Systems
<b>Day2:</b> 02-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	➤ Hardware/Firmware partitioning
<b>Day3:</b> 03-03-2022 9:30AM-12:50PM 01:30PM-03:50PM	➤ Circuit Design
<b>Day4:</b> 04-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	➤ Circuit debugging
<b>Day5:</b> 05-03-2022 9:30AM-12:50PM 01:30PM-03:50PM	➤ Firmware Architecture
<b>Day6:</b> 07-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	➤ Firmware Design
<b>Day7:</b> 08-03-2022 9:30AM-12:50PM 01:30PM-03:50PM	➤ Firmware Debugging
<b>Day8:</b> 09-03-2022 9:30AM-12:50PM 01:30PM-03:50PM	➤ Circuit Layout
<b>Day9:</b> 10-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	➤ Development tools





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<b>Day10:</b> 11-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ Hardware Development</li><li>➤ Testing &amp; Debugging</li></ul>
<b>Day11:</b> 12-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<ul style="list-style-type: none"><li>➤ IOT Physical Devices and End Points</li></ul>

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



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

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



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

*M. Lakshmi*  
Principal

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19	18MD1A0422	KASSEY DEEPIKA	P	P	P	P	P	P	P	P	P	P
20	18MD1A0423	KETHAMALLA Y V RAM KUMAR	P	P	P	P	P	P	P	P	P	P
21	18MD1A0424	KHANDAVALLI M MANGATAYARU	P	P	P	P	P	P	P	P	P	P
22	18MD1A0425	LALAM SAHITHI	P	P	P	P	P	P	P	P	P	P
23	18MD1A0426	MADDUKURI BHAVANA CHOWDARY	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
25	18MD1A0428	MEGHAM SA S S ANIRUDH BABA	P	P	P	P	P	P	P	P	P	P
26	18MD1A0429	MEKA RITWICK	P	P	P	P	P	P	P	P	P	P
27	18MD1A0430	MUPPIDI SIRISHA	P	P	P	P	P	P	P	P	P	P
28	18MD1A0431	NAGABHATLA GAJA SAI LALITHA	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
30	18MD1A0434	NERELLA VAMSI SIVA KUMAR	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
32	18MD1A0436	PALLALA HAVANI KRISHNA T REDDY	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
34	18MD1A0438	THALLURI NAGA SITA MAHALAKSHMI	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
36	18MD1A0440	VASAMSETTI GEETHA SOWMYA	P	P	P	P	P	P	P	P	P	P

H. L. S.  
Principal

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Date: 16-03-2022

### PROGRAM REPORT

**Name and Title of the Program:** A Two Week Certificate Program On “EMBEDDED SYSTEMS”.

**Date & Time:** 01-03-2022 to 12-03-2022 & 10:00 AM to 5:00 PM.

**Resource Person:** Mr. T.Gangadhar Rao, Assistant Professor, RIET.

**Name of The Coordinator:** Ms. D. Jyothi, Assistant Professor, ECE.

#### **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 :**

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

No. of Participants: 36



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### RESOURCE PERSON PROFILE

**Name of the Certificate Program:** A Two-Week Certificate Program on “EMBEDDED SYSTEMS”.



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

He completed M.Tech in VLSI at JNTUK, 6 years of excellent teaching skills in relevant subjects. His area of specialization On 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.

  
Coordinator

  
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E: [office@rajiv.ac.in](mailto:office@rajiv.ac.in) W: [www.rajiv.ac.in](http://www.rajiv.ac.in) P: +919421214413


## Participation Certificate


This is to certify that

Mr./Mrs./Ms. B. T. P. SARVANI

Has participated in

An Add-On Two Week Certificate Program On "Embedded Systems"  
01/03/2022 to 12/03/2022

  
Mr. T. Gangadhar Rao  
HOD, Dept. of. ECE

  
Dr. M. Murali Krishna  
Principal

  
PRINCIPAL  
RAJAMAHENDRI  
INSTITUTE OF ENGINEERING TECHNOLOGY  
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E: [info@rajmahendri.ac.in](mailto:info@rajmahendri.ac.in) W: [www.rajmahendri.ac.in](http://www.rajmahendri.ac.in) P: +919121214413

## Participation Certificate


This is to certify that

Mr./Mrs./Ms. DASARI SAGADISH

Has participated in  
An Add-On Two Week Certificate Program On "Embedded Systems"  
01/03/2022 to 12/03/2022

  
Mr. T. Gangadhar Rao  
HOD, Dept. of ECE

  
Dr. M. Murali Krishna  
Principal

  
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Date: 04-03-2022

### CIRCULAR

It is here by informed to all II B.Tech II - Sem CSE A & B students that our college conducting A Two-Week Certificate Program on “The Art of Ethical Hacking: Cyber security in Practice” on 14<sup>th</sup> March 2022 to 26<sup>th</sup> March 2022. All the students give their names to coordinator listed below on or before 10<sup>th</sup> March 2022. Hence all the students here by informed to attend the classes without fail.

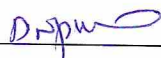






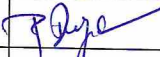
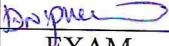

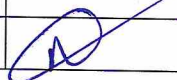




Venue: Seminar Hall, RIET

Coordinator: Mr. K. Suresh, Assistant Professor, Dept. of CSE, RIET.

  
PRINCIPAL

(Dr.M. Murali Krishna)  
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- Copy to: All HODs for circulation to Staff
- Copy to: Admin. Office
- Copy to: Library

BRANCH	CSE	Mech.	ECE	EEE	S&H
B.Tech. 1st Year				-----	
B.Tech. 2nd Year				-----	-----
B.Tech. 3rd Year		P.T.C.			-----
B.Tech. 4th Year					-----
ALL HOD'S		V. Ravi			
IQAC	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

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

### Co-ordinator

**Mr. K. Suresh**

Assistant Professor,  
Department of Computer Science and Engineering  
Mobile No: +91 9182577021  
Email id: [k.sureshvarma37@gmail.com](mailto:k.sureshvarma37@gmail.com)

## A Two-Week Certificate Program on

# “The Art of Ethical Hacking:”

## Cyber Security in Practice

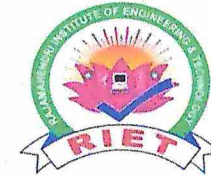
### REGISTRATION FORM

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

Date:

  
Station **PRINCIPAL**  
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HOD



## A Two-Week Certificate Program on

# “The Art of Ethical Hacking:”

## Cyber Security in Practice

*Schedule:*

14-03-2022 to 26-03-2022

*Venue: Seminar Hall*



Organized  
by  
Department of  
Computer Science and Engineering

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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



An ethical hacking certificate program is an educational course that trains individuals in ethical hacking and penetration testing. It includes a comprehensive curriculum, hands-on learning, certification exams, and a strong focus on legal and ethical guidelines. Completion of the program can lead to various cyber-security career opportunities, and it emphasizes ongoing learning and industry recognition.

## Resource Person

**Mrs. S. Bharathi Devi**

Assistant Professor

Department of Computer Science and Engineering

Mobile No: +91 8367667298

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





Date: 11-03-2022

**PROGRAM SCHEDULE**

Program Schedule for “A Two-Week Certificate Program on “The Art of Ethical Hacking: Cyber Security in Practice”

Duration	Program
<b>Day1:</b> 14-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Introduction to Ethical Hacking:</b> <ul style="list-style-type: none"><li>• Welcome and course overview</li><li>• What is ethical hacking?</li><li>• The role of ethical hackers in cybersecurity</li><li>• Legal and ethical considerations</li><li>• Setting up a virtual lab environment</li><li>• Common hacking terminologies</li></ul>
<b>Day2:</b> 15-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Footprinting and Reconnaissance:</b> <ul style="list-style-type: none"><li>• Information gathering techniques</li><li>• Passive vs. active reconnaissance</li><li>• Tools for footprinting</li><li>• Open-source intelligence (OSINT) techniques</li></ul>
<b>Day3:</b> 16-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Scanning and Enumeration:</b> <ul style="list-style-type: none"><li>• Port scanning techniques</li><li>• Service enumeration</li><li>• Banner grabbing</li><li>• Vulnerability scanning with Nessus</li></ul>
<b>Day4:</b> 17-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Network Hacking:</b> <ul style="list-style-type: none"><li>• Understanding network protocols</li><li>• Sniffing and eavesdropping</li><li>• ARP poisoning and MiTM attacks</li><li>• Implementing network security countermeasures</li></ul>
<b>Day5:</b> 18-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Web Application Security:</b> <ul style="list-style-type: none"><li>• Common web vulnerabilities</li><li>• SQL injection and Cross-Site Scripting (XSS)</li><li>• Web application security testing tools</li><li>• Web application firewall (WAF) bypass techniques</li></ul>
<b>Day6:</b> 19-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Wireless Network Hacking:</b> <ul style="list-style-type: none"><li>• Wireless security protocols (WEP, WPA, WPA2)</li><li>• Cracking Wi-Fi passwords</li><li>• Rogue access points</li><li>• Wireless network security best practices</li></ul>



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<b>Day7:</b> 21-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>System Hacking and Malware:</b> <ul style="list-style-type: none"><li>• Privilege escalation</li><li>• Password cracking</li><li>• Malware types and analysis</li><li>• Malware analysis in a controlled environment</li></ul>
<b>Day8:</b> 22-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Social Engineering:</b> <ul style="list-style-type: none"><li>• Psychological aspects of social engineering</li><li>• Common social engineering attacks</li><li>• Phishing and spear-phishing</li><li>• Defending against social engineering</li></ul>
<b>Day9:</b> 23-03-2022 09:30AM-12:50PM 01:30PM-02:00PM 02:30PM-03:30PM	<b>Cryptography and Encryption:</b> <ul style="list-style-type: none"><li>• Cryptographic principles</li><li>• Encryption algorithms</li><li>• Digital signatures and certificates</li><li>• Secure communication and data protection</li></ul>
<b>Day10:</b> 24-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Cloud and IoT Security:</b> <ul style="list-style-type: none"><li>• Security challenges in the cloud</li><li>• Securing cloud environments</li><li>• IoT security risks and best practices</li><li>• Mitigating cloud and IoT vulnerabilities</li></ul>
<b>Day11:</b> 25-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Incident Response and Forensics:</b> <ul style="list-style-type: none"><li>• Preparing for incident response</li><li>• Cybersecurity incident types</li><li>• Digital forensics process</li><li>• Legal aspects of cybersecurity investigations</li></ul>
<b>Day12:</b> 26-03-2022 09:30AM-12:50PM 01:30PM-03:50PM	<b>Capstone Project and Certification:</b> <ul style="list-style-type: none"><li>• Group project: Identify and resolve security vulnerabilities</li><li>• Preparing a comprehensive report</li><li>• Final project presentations</li><li>• Certification and course closure</li></ul>

  
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NAME OF THE PROGRAM : A Two Week Certificate Program on The Art of Ethical Hacking Cyber Security in Practice

### STUDENTS LIST

S.NO	REDG. NO.	NAME OF THE STUDENT	YEAR/ BRANCH	SIGNATURE
1.	20MD1A0501	ALLADI NAGESWARA RAO	II - A	A. Nageswara Rao
2.	20MD1A0502	ARETI MOUNIKA	I - II	A. MOUNIKA
3	20MD1A0503	BASAVA H V V SATYANARAYANA	I - II	B.H.V.V. Satya
.4.	20MD1A0504	BEZAWADA BHUVANA BRAMARAMBICA	II - II	B.B. Braakth Ramdica
5.	20MD1A0505	BOJJA SATHYA SAI	I - II	B. Satya Sai
6.	20MD1A0506	CHALIKI AMRUTHA	I - II	Ch. Amrutha
7.	20MD1A0507	CHAPANA PURNA KARTEEK	I - II	ch. Purna Kartteek
8	20MD1A0508	CHAMARTHI LAKSHMI MEGHANA	I - II	C.L. Meghana
9	20MD1A0509	CHOWTIPALLI SAI SURESH	II - II	C. S. Suresh
10	20MD1A0510	DANDAMUDI SAI HARSHA VARDHAN	I - II	D.S.H. vardhan
11	20MD1A0511	DANGETI VEERABABU	I - II	D. veerababu
12	20MD1A0512	DESABATHULA MADHAVI	I - II	D. Madhavi
13	20MD1A0513	ELI MV SAI PAVAN KALYAN	II - II	E.M.V.S Pavan Kalyan
14	20MD1A0514	GANDROTHU VAMSI	I - II	G. Vamsi
15	20MD1A0515	GANTASALA VIKAS KUMAR	II - II	G. Vikas kumar
16	20MD1A0516	GEDDAM GIREESHA	I - II	G. gireesha
17	20MD1A0517	GUTTULA BHANU SAI CHARAN	I - II	G. B. S. Charan
18	20MD1A0518	KADALI D D SIVA SANTHOSHI	II - II	K. D. D SIVA SANTHOSHI
19	20MD1A0519	KAKARAPARTI RAKESH	I - II	K. Rakesh
20	20MD1A0520	KASANI SITA RAMA RAJU	I - II	K. sita Rama Raju
21	20MD1A0521	KAVALA SINDHU	II - II	K. Sindhu
22	20MD1A0522	KESAMSETTI DEVI	I - II	ke. Devi
23	20MD1A0523	KODAMANCHILI MUKESH KUMAR	II - II	K. Mukesh Kumar
24	20MD1A0524	KOMATI SOMESHWARA RAO	II - II	K. someshwara Rao



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25	20MD1A0525	KOPPAKA GANGADHAR	II-D	K. Gangaadhar
26	20MD1A0526	KOTU VNM NARASIMHA KARTHIKEYAN	II-II	K.V.N.M.N.Karthikeyan
27	20MD1A0527	LANJAPALLI MANIKANTA	II-II	L. Manikanta
28	20MD1A0528	MADDIPATI DEEPIKA	II-II	M. Deepika
29	20MD1A0529	MANCHIRAJU RAMANJANEYA SHARMA	II-A	M.R. Shasma
30	20MD1A0530	MANE V L SATYA SIREESHA	II-II	M.V.L. Sireesha
31	20MD1A0541	PATI ROSHINI	II-II	P. Roshini
32	20MD1A0542	PONNAGANTI TULYA NAMRATHA	II-II	P. Tulya Namratha
33	20MD1A0543	RAYUDU SRINIJA	II-II	R. Srinija
34	20MD1A0544	SAMANTHULA SUNIL JEEVAN KUMAR	II-II	S.S.J. Kumar
35	20MD1A0545	SATHI SRI VYSHNAVI	II-II	S.S. Vyshnavi
36	20MD1A0546	SRISAILAPU VINAY	II-II	S.S. Vinay
37	20MD1A0547	TAILAM HEMA	II-II	T. Hema
38	20MD1A0548	TIRUMALANADHUNI JAGADEESH	II-II	T. Jagadeesh
39	20MD1A0549	VALAVALA RAMALINGESWARA RAO	II-II	V. R. Rao
40	20MD1A0550	VAVILALA BHUVAN KRISHNA	II-II	V. B. Krishna
41	20MD1A0551	VENTURI SRI NARASIMHA MURALI VISWANADH	II-II	V. S. N. M. Viswanadh
42	20MD1A0552	YAKKALA SATYA PRIYA	II-II	Y. S. Priya
43	20MD1A0553	YANDAPALLI ANAND VIKAS	II-II	Y. Anand Vikas
44	20MD1A0554	ALLAKA MANJULA DEVI	II-II	A. M. Devi
45	20MD1A0555	AYODYULA POORNA SAI	II-II	A. P. Sai
46	20MD1A0556	BANDARU CHAITANYA VENKATA SAI	II-II	B. C. Venkata Sai
47	20MD1A0557	BANDARU SAI KUMAR	II-A	B. Sai Kumar
48	20MD1A0558	BATTINA L M H VIGNESH KUMAR	II-II	B. L. M. H. Vignesh Kumar
49	20MD1A0559	BODDU VEERA CHANTI BHAVANI	II-II	B. V. Chanti Bhavani
50	20MD1A0560	BORRA RATNA GIRI SATYA SAI TEJA	II-A	B. R. G. Satya Sai Teja
51	20MD1A0561	CHOHAN S V S KARANAM	II-A	C. S. V. S. Karanam
52	20MD1A0562	CHUNDRU GOWRI SHANKAR	II-II	C. G. Shankar
53	20MD1A0563	DULAM MUNI GANESH	II-II	D. Muni Ganesh





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56	20MD1A0566	GEDELA SURENDRA VENKATA KUMAR	II - A	G. S. V. V. Kumar
57	20MD1A0567	GAJULA JAYA SAGAR	II - A	J. Jay a Sagar
58	20MD1A0568	JEENNALA PRAVEEN	II - A	J. Praveen
59	20MD1A0569	KALLEPALLI MARUTHI PRASAD	II - A	K. M. Prasad
60	20MD1A0570	KERLA ANIL KUMAR	II - A	K. Anil Kumar
61	20MD1A0571	KODAVALI SATYA TEJASWI	II - A	K. Satya Tejaswi
62	20MD1A0572	KOTHA SATYA DATTA GURUMURTHY	II - A	K. S. D. Gurumurthy
63	20MD1A0573	KOTHAPALLI HARIKA	II - A	K. Hari ka
64	20MD1A0574	KUDIPUDI MEGHANA	II - A	K. Meghana
65	20MD1A0575	LINGALA RAJEEV	II - A	L. Rajeev
66	20MD1A0576	LOLUGU V.G. SATYA SAMPATH	II - A	L. V. G. S. Sampath
67	20MD1A0577	MADDUKURI JAHNAVI	II - A	M. Jahnavi
68	20MD1A0578	MANDAGADLA DINESH KUMAR	II - A	M. D. Kumar
69	20MD1A0579	MAVURI SAI PRAVEEN	II - A	M. S. Praveen
70	20MD1A0580	NALAM SAI GOWTHAM	II - A	N. Sai Gowtham
71	20MD1A0599	TIRAMSETTI SRI LAKSHMI	II - A	T. S. Lakshmi
72	20MD1A05A0	TIRUMALANADHUNI RAMA KRISHNA	II - A	T. R. Krishna
73	20MD1A05A1	VANTAKULA TARUN SAI PRADEEP	II - A	V. T. S. Pradeep
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76	20MD1A05A4	VETCHA RAGAVENDRA RAVI SHANKAR	II - A	V. R. R. Shankar
77	20MD1A05A5	VUTHARILLI RAVI TEJA	II - A	V. Ravi Teja
78	20MD1A05A6	YEDIRESI PAVANI DURGA	II - A	Y. Pavani Durga

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66	20MD1A0576	LOLUGU V.G.S SAMPATH	P	P	P	P	P	P	P	P	P	P	P	P
67	20MD1A0577	MADDUKURI JAHNAVI	P	A	P	P	P	P	P	P	P	P	P	P
68	20MD1A0578	MANDAGADLA D KUMAR	P	P	P	P	A	P	P	P	P	P	P	P
69	20MD1A0579	MAVURI SAI PRAVEEN	P	P	P	P	P	P	P	P	P	A	P	P
70	20MD1A0580	NALAM SAI GOWTHAM	P	P	P	P	P	P	P	P	P	P	P	P
71	20MD1A0599	TIRAMSETTI SRI LAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P
72	20MD1A05A0	T RAMA KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P
73	20MD1A05A1	VANTAKULA T S PRADEEP	P	P	P	P	P	P	P	P	P	P	P	P
74	20MD1A05A2	VATADI NIHARIKA	P	P	P	P	P	P	P	P	P	P	P	P
75	20MD1A05A3	VENNELAKANTI SAI BALAJI	P	P	P	P	P	P	P	P	P	P	P	P
76	20MD1A05A4	VETCHA R R SHANKAR	P	P	P	P	P	P	P	P	P	P	P	P
77	20MD1A05A5	VUTHARILLI RAVI TEJA	P	P	P	P	P	P	P	P	P	P	P	P
78	20MD1A05A6	YEDIRESI PAVANI DURGA	P	P	P	P	P	P	P	P	P	P	P	P

  
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28-03-2022

### PROGRAM REPORT

**Name and Title of the Program:** An Add on Two-Week Certificate Program on “The Art of Ethical Hacking: Cyber Security in Practice”

**Course of Duration:** 14-03-2022 to 26-03-2022

#### Objectives of the Program:

- 1. Identify Security Weaknesses:** Discover vulnerabilities in systems and networks.
- 2. Assess Vulnerabilities:** Evaluate the severity and impact of these vulnerabilities.
- 3. Improve Security Measures:** Recommend changes to enhance security.
- 4. Test Defense Mechanisms:** Ensure the effectiveness of security tools and systems.
- 5. Compliance and Regulations:** Help meet industry-specific regulations and standards.
- 6. Prevent Data Breaches:** Stop breaches before they happen.
- 7. Minimize Downtime:** Reduce the risk of service disruptions.
- 8. Safeguard Sensitive Information:** Protect confidential data.
- 9. Education and Awareness:** Train employees on security best practices.
- 10. Continuous Improvement:** Promote ongoing security enhancement.
- 11. Incident Response Planning:** Develop and test response plans.
- 12. Legal and Ethical Adherence:** Operate within legal and ethical boundaries.

#### Out Comes of the Program:

Ethical hacking outcomes include identifying vulnerabilities, assessing risks, enhancing security, testing defenses, ensuring compliance, preventing data breaches, minimizing downtime, protecting sensitive information, raising employee awareness, fostering continuous improvement, preparing for incident responses, and adhering to legal and ethical standards. These outcomes collectively bolster an organization's cyber security, reduce risks, and maintain legal and ethical integrity.

**No. of Participants:** 78



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### RESOURCE PERSON PROFILE

**Name of the certificate program:** An add on Two week certificate on “Art of Ethical Hacking: Cyber Security in practice.”



**Name of the Resource Person:** Mrs. S. Bharathi Devi

S.Bharathi Devi is working as Assistant Professor of CSE Dept, Institute of Engineering & Technology, Rajamahendravaram. She completed MTech-Cse from Godavari Institute of Engineering & Technology, Rajahmundry in 2014. She has above seven years of academic experience , She had earned Bachelor of Engineering in Computer Science and Engineering from Pragathi Institute Of Engineering and technology, in 2011. She motivated many students to choose the Right path in their Carrier. Beyond being an educated, She guided many students to navigate the complexities in computer science.

*K. Suresh*  
Co-ordinator  
(signature)

  
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## Participation Certificate

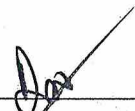
This is to certify that


✓ Mr./Mrs./Ms. G.A.NDROTHU VANSI


has participated in

**A Two-Week Program On "The Art of Ethical  
Hacking: Cyber Security in Practise"**

14/03/22 to 26/03/22

  
Dr. R. Rambabu  
HOD, Dept. of CSE

  
Dr. M. Murali Krishna  
Principal

  
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## Participation Certificate


This is to certify that

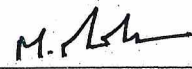
✓  
Mr./Mrs./Ms. Manchiraju R Sarma


has participated in

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Hacking: Cyber Security in Practise"**

14/03/22 to 26/03/22

  
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