



# BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE



(Approved by AICTE, New Delhi and affiliated to Jntu, Kakinada. Accredited by NAAC, Bangalore)

## ECE BULLETIN



**DEPARTMENT OF ELECTRONICS  
AND COMMUNICATION  
ENGINEERING**

**ECE BULLETIN 2022-23**

**VOLUME-5 ISSUE- 1**

The Electronics and Communication Engineering (ECE) Department was set up in the year 2002. The department offers Undergraduate (UG), Postgraduate (PG) programmes that provide students with the knowledge and tools they need to succeed in this field. The faculty members have published papers and journals which have been mentioned and acknowledged internationally, with an active ongoing involvement in the Texas Instruments Ltd. Project, with students getting ample exposure in these research activities. The department gives significant importance to high impact disciplines such as Signal and Image Processing, Microwave antennas, Optical Communications and Photonics, Embedded systems and VLSI technologies.

# ECE BULLETIN 2022-2023

VOLUME#5 ISSUE#1

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### CHIEF EDITOR:

Dr. G M V PRASAD

PROFESSOR & HOD

### EDITOR:

Mr. BH. V V S R K K PAVAN

Asst.Prof

Mrs. K. JYOTHIRMAI

Asst.Prof

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V.N PAVAN KUMAR ( III ECE-20H41A0465)

D.N S BHASKER ( III ECE- 20H41A0416)

D.E S KRISHNA CHOWDARI ( II ECE -21H41A0413)

# ECE BULLETIN 2022-2023

VOLUME#5 ISSUE#1

## From The Desk of HOD



**Dr.G M V PRASAD**

**Head of the Department**

Welcome to the annual edition of "ECE BULLETIN," the newsletter of our Electronics and Communication Engineering Department. Our faculty members are passionate about pushing the boundaries of knowledge in their field through cutting-edge research and rigorous coursework. We strive to equip our students with the necessary skills and knowledge to excel in their careers. With well-equipped labs, our students gain hands-on experience with the software and hardware. Our faculty members are recognized experts who regularly publish technical papers in high-impact journals and conferences. What truly sets our ECE department apart is the unwavering dedication and commitment of our students and supporting staff. Whether it's participating in extracurricular activities, conducting research, or excelling in academic competitions, our Students consistently impress us with their drive and passion.

We invite you to enjoy reading this year's edition of ECE BULLETIN and encourage you to explore more about our department by visiting our website or reaching out to our faculty and staff.

Dr.G M V PRASAD ,  
Professor and Head of the Dept.  
[hodece.bvts@bvcgroup.in](mailto:hodece.bvts@bvcgroup.in)

# ECE BULLETIN 2023

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## **VISION, MISSION AND OBJECTIVES OF THE DEPARTMENT :**

### **VISION :**

**TO BECOME A RECOGNIZED CENTRE FOR QUALITY ELECTRONICS AND COMMUNICATION ENGINEERING EDUCATION AND DEVELOP ETHICALLY SOUND, GLOBALLY COMPETENT AND SOCIALLY RESPONSIBLE ENGINEERS**

### **MISSION :**

**DM 1 TO PROVIDE LEARNER-CENTRIC ELECTRONICS AND COMMUNICATION ENGINEERING EDUCATION TO OVERCOME THE PROFESSIONAL CHALLENGES**

**DM 2 TO PURSUE RESEARCH AND NEW TECHNOLOGIES IN ELECTRONICS & COMMUNICATION ENGINEERING AND RELATED DISCIPLINES TO SERVE THE SOCIETY, INDUSTRY, GOVERNMENT AND SCIENTIFIC COMMUNITY NEEDS.**

**DM 3 TO PROMOTE ACTIVITIES FOR OVERALL DEVELOPMENT OF STAKEHOLDER WITH ETHICAL AND PROFESSIONAL RESPONSIBILITY.**

### **PROGRAM EDUCATIONAL OBJECTIVES :**

**PEO 1 GRADUATES WILL EXCEL IN THEIR PROFESSIONAL CAREER AND / OR HIGHER EDUCATION BY APPLYING KNOWLEDGE OF MATHEMATICAL, SCIENTIFIC AND ELECTRONICS AND COMMUNICATION ENGINEERING.**

**PEO 2 GRADUATES WILL ANALYZE AND SOLVE REAL LIFE PROBLEMS, ADOPT THE MODERN ENGINEERING TOOLS TO DESIGN SYSTEMS THAT ARE ECONOMICALLY FEASIBLE AND SOCIALLY ACCEPTABLE**

**PEO 3 GRADUATES WILL EXHIBIT PROFESSIONALISM, SOCIAL, ETHICAL RESPONSIBILITY AND INTER- PERSONAL SKILLS TO RELATE ENGINEERING ISSUES IN BROADER SOCIAL CONTEXT.**

**PEO 4 GRADUATES WILL HAVE THE ZEAL AND MOTIVATION TO GET INVOLVED IN LIFELONG LEARNING PROCESS TO BECOME INNOVATORS , ENTREPRENEURS AND LEADERS.**

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## FACULTY LIST :

S.NO	NAME	University Degree	Current Designation
1	GUMMADI MOSES VARA PRASAD	PhD	PROFESSOR
2	KORIMILLI SIRISHA	PhD	PROFESSOR
3	BODDAPALLI VENKATARAMANA	M.Tech	PROFESSOR
4	SATISH KUMAR RYALI	M.Tech	ASSOCIATE PROFESSOR
5	VAYARA PRASANNA LAKSHMI	M.Tech	ASSOCIATE PROFESSOR
6	S RAGHAVA RAO	M.Tech	ASSISTANT PROFESSOR
7	GIRISH PECHETTI	M.Tech	ASSISTANT PROFESSOR
8	VIJAYALAKSHMI BONAM	M.Tech	ASSISTANT PROFESSOR
9	SARMA S S V S S R S ADITHE	M.Tech	ASSISTANT PROFESSOR
10	NAKKA SUVARNA PARVATHI LAKSHMI	M.Tech	ASSISTANT PROFESSOR
11	VEERA VENKATA SATYANARAYANA KONA	M.Tech	ASSISTANT PROFESSOR
12	TIKKIREDDI ADITYA KUMAR	M.Tech	ASSISTANT PROFESSOR
13	VENKATA SATISH DHULIPUDI	M.Tech	ASSISTANT PROFESSOR
14	VIJAYARAJU GUNJA	M.Tech	ASSISTANT PROFESSOR
15	VYAGHRI VENKATA SATYANARAYANA MURTHY MANGIPUDI	M.Tech	ASSISTANT PROFESSOR
16	SWETHA MALLIKA MATTAPARTHI	M.Tech	ASSISTANT PROFESSOR
17	GHANCHI SAMPATHLAL	M.Tech	ASSISTANT PROFESSOR
18	JYOTHIRMAI KANCHANAPALLY	M.Tech	ASSISTANT PROFESSOR
19	DULAM DURGA SURI BABU	M.Tech	ASSISTANT PROFESSOR
20	VEERA VENKATASIVARAMA KRISHNA KIRAN PAVAN BHAVARAJU	M.Tech	ASSISTANT PROFESSOR
21	RUDRA LAKSHMI PRASANNA	M.Tech	ASSISTANT PROFESSOR
22	SRI SAMBA SIVA RAO DANNINA	PhD	PROFESSOR

# ECE BULLETIN 2022-2023

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## Student Association EleCSA Renewal Meet



The EleCSA inauguration for the year 2022-23 at BVC Institute of Technology and Sciences took place on 24th November 2022, with Mr. B. Suresh Krishna, Divisional General Manager (DGM) of BSNL, Vijayawada, AP, as the esteemed chief guest. The event commenced at 10.00 AM with a prayer followed by the lighting of the auspicious lamp by the guest. In his speech Dr. J V G Rama Rao, the respected Principal, praised Mr. B. Suresh Krishna for his invaluable guidance in communication and technology. He also commended the faculty and students of the Electronics and Communication Engineering (ECE) department for their active involvement in academic and endeavors. Subsequently, Mr. B. Suresh Krishna, the chief guest, delivered an engaging speech highlighting the significance of communication engineering in today's world and its role in our daily lives. He encouraged the students to embrace the numerous opportunities available in the field.

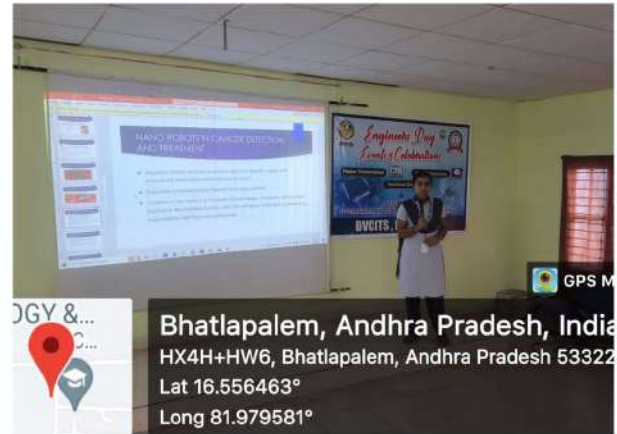
The Head of the Department, Dr. G M V Prasad, also addressed the audience and encouraged all students to participate in both academic and co-curricular activities of the department. The office bearers of EleCSA included President, overall coordinator, treasurer, Vice President, secretaries, and joint secretary.

# ECE BULLETIN 2022-2023

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## Engineer's Day Celebration :

The Engineer's Day celebration encompassed a variety of technical events, including Power point presentations, poster presentations, and quizzes, all aimed at inspiring aspiring engineers and emphasizing the significance of engineering.



# ECE BULLETIN 2022-2023

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## Fresher's Day Celebration :

As part of the Freshers' Day celebration, a series of engaging events were organized to introduce new students to campus life, encourage interaction, and create lasting memories.





# ECE BULLETIN 2022-2023

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## Student NPTEL :

B.Tech 3rd year ECE student has completed NPTEL 8 week course in Introduction To Machine Learning.



**Elite**

## NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VIJJAPU VV RATNA SAILAKSHMI HARI PRIYA**

*for successfully completing the course*

**Introduction to Machine Learning**

with a consolidated score of **64** %

Online Assignments	22.5/25	Proctored Exam	41.25/75
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Total number of candidates certified in this course: **2034**

Jul-Sep 2022  
(8 week course)



**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS97514080171

To validate the certificate



No. of credits recommended: 2 or 3

# ECE BULLETIN 2022-2023

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### Students CSP Projects :

The community service project aimed to make a positive impact by addressing the needs of the local community and fostering a spirit of volunteerism among participants. Through this, students dedicated their time and efforts to support underserved populations, contributing to the betterment of society. Participants of the community service project gained valuable skills and experiences, such as teamwork, leadership and problem-solving, while making a meaningful difference in the lives of others.



# ECE BULLETIN 2022-2023

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## Students CSP Projects :

The community service project not only provided immediate assistance to those in need but also aimed to create a sustainable impact by raising awareness, advocating for change, and inspiring others to get involved

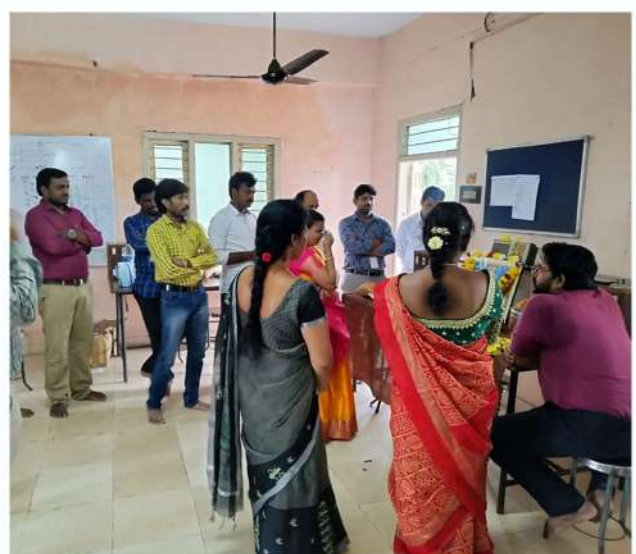
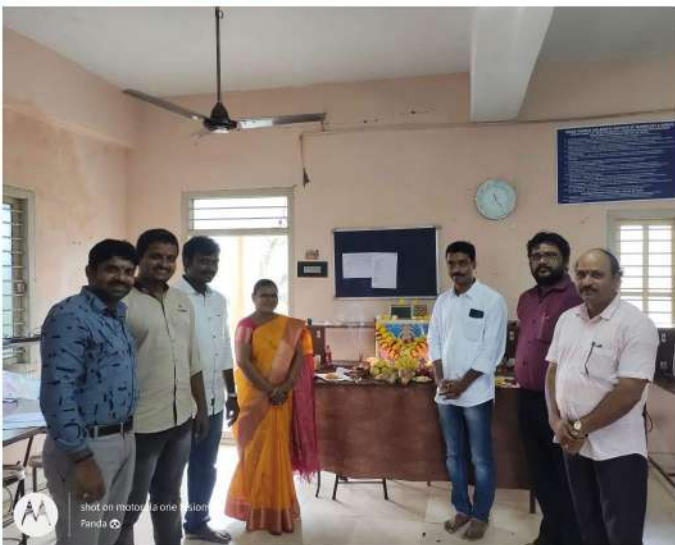


# ECE BULLETIN 2022-2023

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## Ganesh Chaturthi Celebration :

The college organized a vibrant celebration of Ganesh Chaturthi, where students and faculty came together to honor Lord Ganesha, through traditional rituals and festivities. It also served as a platform for students to embrace their cultural roots, express their devotion, and reinforce the values of gratitude, wisdom, and unity that Lord Ganesha represents.



# ECE BULLETIN 2022-2023

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### Faculty Activities :

Mr. Sarma Adithe, , Asst prof, ECE Dept has successfully completed 30 days internship on Image Processing Using Opencv At Pantech e Learning Pvt Ltd, Chennai.



Mr. TIKKIREDDI ADITYA KUMAR, Asst. Prof, has attended the expert lecture on "Time-Modulated Antenna Array Pattern Synthesis Using Evolutionary Approach" Organized by IEEE APS SBC MNIT in association with IEEE SB MNIT, IEEE RFID SBC MNIT & IEEE Delhi APS Chapter-Jaipur on September 17, 2022.



# ECE BULLETIN 2022-2023

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## Faculty Activities :

TIKKIREDDI ADITYA KUMAR, Asst. Prof, has attended a Knowledge Sharing Session titled "NEP:Internationalisation of Higher Education - Challenges and Opportunities" organized on 09th November 2022 by Association of Indian Management Schools (AIMS).



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## FACULTY ACTIVITIES :

## FDP'S ATTENDED :

S.NO	NAME OF THE FACULTY	NAME OF FDP/TRAINING	ORGANIZED BY	DATES/ WEEKS	MODE
1	PECHETTI GIRISH	IOT BASED SMART AUTOMATION SYSTEM	MVGR COLLEGE OF ENGINEERING,VIJAYANAGARAM	22-07-2022 TO 27-07-2022	ONLINE
2	S MALLIKA MATTAPARTHI	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
3	VENKATA SATISH DHULIPUDI	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
4	TIKKIREDDI ADITYA KUMAR	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
5	JYOTHIRMAI KANCHANAPALLY	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
6	MANGIPUDI V V S N MURTHY	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
7	PECHETTI GIRISH	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
8	GUNJA VIAJAYA RAJU	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
9	N SUVARNA PARVATHI LAKSHMI	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
10	BH. V. V. S. R. K. K. PAVAN	AMAZON WEB SERVICES	AICTE & BRAINOVISION SOLUTIONS PVT .LTD	22-08-2022 TO 27-08-2022	ONLINE
11	VENKATA SATISH DHULIPUDI	INTRODUCTION TO MACHINE LEARNING	IIT KHARAGPUR	8 WEEKS	ONLINE
12	PECHETTI GIRISH	INTRODUCTION TO MACHINE LEARNING	IIT KHARAGPUR	8 WEEKS	ONLINE
13	BH. V. V. S. R. K. K. PAVAN	INTRODUCTION TO MACHINE LEARNING	IIT KHARAGPUR	8 WEEKS	ONLINE
14	TIKKIREDDI ADITYA KUMAR	INTRODUCTION TO MACHINE LEARNING	IIT KHARAGPUR	8 WEEKS	ONLINE
15	GUNJA VIJAYA RAJU	INTRODUCTION TO MACHINE LEARNING	IIT KHARAGPUR	8 WEEKS	ONLINE
16	TIKKIREDDI ADITYA KUMAR	RECENT TRENDS IN ARTIFICIAL INTELLIGENCE	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN	01-11-2022 TO 05-11-2022	ONLINE
17	TIKKIREDDI ADITYA KUMAR	INTRODUCTION TO WIRELESS CELLULAR COMMUNICATIONS	IIT MADRAS	12 WEEKS	ONLINE
18	VENKATA SATISH DHULIPUDI	INTRODUCTION TO WIRELESS CELLULAR COMMUNICATIONS	IIT MADRAS	12 WEEKS	ONLINE
19	BH. V. V. S. R. K. K. PAVAN	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
20	VENKATA SATISH DHULIPUDI	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
21	MANGIPUDI V V S N MURTHY	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
22	PECHETTI GIRISH	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
23	SIRIPALLI RAGHAVA RAO	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
24	SARMA ADITHE	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
25	BODDAPALLI VENKATARAMANA	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
26	N SUVARNA PARVATHI LAKSHMI	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
27	JYOTHIRMAI KANCHANAPALLY	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
28	S MALLIKA MATTAPARTHI	MATLAB - ARTIFICIAL INTELLIGENCE AND	NIT CHANDIAGRH	FROM 21-11-2022 TO 25-11-2022	ONLINE
29	TIKKIREDDI ADITYA KUMAR	COMPUTATIONAL INTELLIGENCE-ALGORITHMS	IEEE MADRAS,VELTECH IEEE	FROM 26-12-2022 TO 31-12-2022	ONLINE

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## WORKSHOPS ATTENDED :

S.NO	NAME OF THE FACULTY	NAME OF WORKSHOP	ORGANIZED BY	DATES	MODE
1	N SUVARNA PARVATHI LAKSHMI	OUTCOME BASED EDUCATION AND EXAMINATION REFORMS	BAPATLA ENGINEERING COLLEGE, BAPATLA	03-08-2022 TO 05-08-2022	ONLINE
2	S MALLIKA MATTAPARTHI	OUTCOME BASED EDUCATION AND EXAMINATION REFORMS	BAPATLA ENGINEERING COLLEGE, BAPATLA	03-08-2022 TO 05-08-2022	ONLINE
3	JYOTHIRMAI KANCHANAPALLY	OUTCOME BASED EDUCATION AND EXAMINATION REFORMS	BAPATLA ENGINEERING COLLEGE, BAPATLA	03-08-2022 TO 05-08-2022	ONLINE
4	BH.V.V.S.R.K.K.PAVAN	OUTCOME BASED EDUCATION AND EXAMINATION REFORMS	BAPATLA ENGINEERING COLLEGE, BAPATLA	03-08-2022 TO 05-08-2022	ONLINE

## WEBINAR ATTENDED :

S.NO	NAME OF THE FACULTY	NAME OF WEBINAR / SEMINAR	ORGANIZED BY	DATES	MODE
1	JYOTHIRMAI KANCHANAPALLY	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA	07-07-2022	ONLINE
2	S MALLIKA MATTAPARTHI	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA	07-07-2022	ONLINE
3	N SUVARNA PARVATHI LAKSHMI	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE, INDIA	07-07-2022	ONLINE



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## COURSES ATTENDED :

S.NO	NAME OF THE FACULTY	NAME OF COURSE COMPLETED	ORGANIZED BY	DATES	DURATION	MODE	COURSE
1	SARMA ADITHE	NPTEL	IIT KHARAGPUR	JULY-SEP	8 WEEKS	ONLINE	COURSE
2	VENKATA SATISH DHULIPUDI	NPTEL	IIT KHARAGPUR	JULY-SEP	8 WEEKS	ONLINE	COURSE
3	GIRISH PECHETTI	NPTEL	IIT KHARAGPUR	JULY-SEP	8 WEEKS	ONLINE	COURSE
4	V V S R K K PAVAN BH	NPTEL	IIT KHARAGPUR	JULY-SEP	8 WEEKS	ONLINE	COURSE
5	GUNJA VIJAYARAJU	NPTEL	IIT KHARAGPUR	JULY-SEP	8 WEEKS	ONLINE	COURSE
6	TIKKIREDDY ADITYA KUMAR	NPTEL	IIT KHARAGPUR	JULY-SEP	8 WEEKS	ONLINE	COURSE
7	SARMA ADITHE	APPSDC	PANTECH E LEARNING	OCT-NOV	4 WEEKS	ONLINE	COURSE
8	TIKKIREDDY ADITYA KUMAR	NPTEL	IIT MADRAS	JULY-OCT	12 WEEKS	ONLINE	COURSE
9	VENKATA SATISH DHULIPUDI	NPTEL	IIT MADRAS	JULY-OCT	12 WEEKS	ONLINE	COURSE
10	V V S R K K PAVAN BH	APPSDC	PANTECH E LEARNING	NOV-DEC	4 WEEKS	ONLINE	COURSE

# ECE BULLETIN 2022-2023

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## Faculty NPTEL Awarded With Gold Certificate :

- Mr. SARMA ADITHE, Asst. Prof, Dept of the ECE, Successfully completed the course on Educational Leadership with 91% and received gold certificate.



**Elite**

## NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SARMA ADITHE**

for successfully completing the course

**Educational Leadership**

with a consolidated score of **91** %

Online Assignments	23.54/25	Proctored Exam	67.5/75
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Total number of candidates certified in this course: **817**

Jul-Sep 2022

(8 week course)



**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur






Indian Institute of Technology Kharagpur



Roll No: NPTEL22HS109S14080193

To validate the certificate 

No. of credits recommended: 2 or 3