



ELECTRONIC VIEWS

Yearly



NEWS LETTER

2020-2021

ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY

Affiliated to Osmania University & Approved by AICTE

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METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1 LIST OF TEACHING & NON-TEACHING STAFF

1.1 TEACHING STAFF

S.NO	NAME OF THE FACULTY	QUALIFICATION	DESIGNATION
1.	DR. N.H SHOBHA REDDY	ME., PHD.	PROF, ECE
2.	DR. B. KRISHNA KUMAR	M.TECH. PHD.	PROF, ECE
3.	DR. JOHN WILLIAM CAREY MEDITHE	ME., PHD.	ASSOC PROF, ECE
4.	MR. I. SRIKANTH	ME., PHD.	ASSOC PROF, ECE
5.	MR. T. SRAVAN KUMAR	M.TECH	ASSOC PROF, ECE
6.	MRS. O. AMEENA	M.TECH [PHD]	ASST PROF, ECE
7.	MR. P. RAMESH BABU	M.TECH	ASST PROF, ECE
8.	MR. D. SURESH	M.TECH	ASST PROF, ECE
9.	MR. G.M. MUJTHABA	M.TECH	ASST PROF, ECE
10.	MR. I POORNA CHANDER	M.TECH	ASST PROF, ECE
11.	MR. D. VARAPRASADA RAO	M.TECH	ASST PROF, ECE
12.	MR. SAMEED SHAIK	M.TECH	ASST PROF, ECE
13.	MR. M SATISH YADAV	M.TECH	ASST PROF, ECE
14.	MR. CH SURESH	M.TECH	ASST PROF, ECE
15.	MR. M MAHESH BABU	M.TECH	ASST PROF, ECE
16.	MR. C BALARANGA SWAMY	M.E	ASST PROF, ECE
17.	MRS. RESHMA ASMA	M.TECH	ASST PROF, ECE
18.	MS. K SREE VIDYA	M.TECH	ASST PROF, ECE
19.	MRS. ZEENATH	M.TECH	ASST PROF, ECE
20.	MS. K NEERAJA	M.TECH	ASST PROF, ECE
21.	MR. RAMESH MALYALA	M.TECH	ASST PROF, ECE
22.	MR.T. MAHARSHI SANAND YADAV	M.E	ASST PROF, ECE

1.2 NON-TEACHING STAFF

S.NO	NAME	QUALIFICATION	DESIGNATION
1.	MR. CHINNAMI REDDY	BE	LAB ASST, ECE
2.	MR. E. SANJEEVA CHARY	DECE	LAB ASST, ECE
3.	MR. D. RAMAIAH	DECE	LAB ASST, ECE
4.	MS.M. SANTHOSH NEERAJA	BE	LAB ASST, ECE
5.	MRS. A. SONY	B. TECH	LAB ASST, ECE

2 PROFESSIONAL BODY ACHIEVEMENTS

2.1 Summary

VALUE ADDED COURSES	3
SEMINARS/GUEST LECTURES ORGANIZED	2

2.1.1 Value Added Courses

S.NO	VALUE ADDED COURSE	ECE DEPT	NO OF STUDENTS	DATE/DURATION
1.	SDP BY TALENTIO Soluton India Pvt Ltd	II YEAR ECE	116	JAN 21 ST TO TILL END OF THE SEM (DAILY @ 2 HRS)
2.	SDP BY TALENTIO Soluton India Pvt Ltd	III YEAR ECE	149	JAN 21 ST TO TILL END OF THE SEM (DAILY @ 2 HRS)
3.	SDP BY TALENTIO Soluton India Pvt Ltd	IV YEAR ECE	119	133 HRS [11 TH JAN TO 29 TH JAN 2021]

2.1.2 1.2 Seminars/Guest Lectures Organized

S.NO	TITLE	RESOUCSE PERSON	CLASS	DATE	NO OF STUDENTS
1.	CLOUD COMPUTING	MR. DAVID GORIN	4 TH , 6 TH , 8 TH SEM	1 ST AUG 2020	155
2.	PROGRESSIVE WEB APP DEVELOPMENT	MR. SUMANTH CHINTAGUNTA	4 TH , 6 TH , 8 TH SEM	18 TH JULY 2020	415

3 FACULTY ACHIEVEMENTS

3.1 Summary

S.NO	ACHIEVEMENTS	NUMBER OF FACULTY
1.	NPTEL OR ANY OTHER CERTIFICATES	0
2.	FDP ATTENDED	24
3.	WORKSHOPS ATTENDED	1

3.1.1 Publications

1. **John William Carey M**, "Risk Factor Analysis of Covid-19", International Journal of Current Research and Review, vol. 13, no. 02, pp. 47-50, January. 2021
2. **John William Carey M**, "Effect of Bright Light on EEG Ocular Artifacts", International Journal of Control and Automation, vol. 13, no. 02, pp. 74 - 80, Mar. 2020

3.1.2 Research Projects

1. Eye Blink Detection and Removal of Ocular artifacts in EEG acquisition
 - a. Designed the hardware circuit for proper acquisition using National Instruments myRIO
 - b. Applying Advanced Signal Processing toolkit and Digital Signal Processing toolkit on acquired signal and recognizing and differentiating blinks and eye movements

- c. Tested the device on different subjects at different lighting conditions
- 2. Fetal Growth Monitoring System for rural women
 - a. Designed the low-cost and precise Biomedical hardware circuit for acquiring Fetal ECG
 - b. Simulated the circuit using advanced tools like National Instruments Multisim
 - c. Added various parameters indicating growth of fetal growth
- 3. Eye Controlled Home Appliance System
 - a. Designed the hardware circuit for Acquiring Blink and targeting the Home Appliance
 - b. Triggering home appliance through line of sight
 - c. Tested the device controlling various home appliances at various distances
- 4. Eye Controlled Mouse for Computer (In Process)
 - a. Designing the hardware circuit for calibrating the mouse with eye
 - b. Literature study has been done at various levels
 - c. Need to develop drivers for controlling cursor on computer screen

3.1.3 FDP Attended

S. NO	NAME OF FACULTY	NAME OF FDP	ORGANIZED BY	DATE	DURATION	AY
1.	CH. SURESH	ADVANCES IN WIRELESS TECHNOLOGIES AN TELECOMMUNICATION	GEETANJALI COLLEGE OF ENGG. AND TECHNOLOGY, HYD	03-08-2020 TO 08-08-2020	6 DAYS	2020-21
2.	CH. SURESH	"5G Technologies with Applications for IoT"	V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING, GUDIVADA	10-08-2020 TO 16-08-2020	7 DAYS	2020-21
3.	CH. SURESH	"Advances in Wireless Technologies and Telecommunication"	Geethanjali College of Engineering and Technology	17-08-2020 TO 22-08-2020	6 DAYS	2020-21
4.	CH. SURESH	ANTENNA DESIGN AND ANALYSIS USING MATHEMATICAL SOLVER	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI, A. P	07-09-2020 TO 12-09-2020	6 DAYS	2020-21
5.	C.BALA RANGA SWAMY	ARTIFICIAL INTELLIGENCE	VIGNANA BHARATI ENGINEERING COLLEGE	22-05-2020 to 26-05-2020	5 DAYS	2020-21
6.	C.BALA RANGA SWAMY	CYBER SECURITY	BAPATLA ENGINEERING COLLEGE, BAPATLA	02-06-2020 TO 06-06-2020	5 DAYS	2020-21
7.	CH. SURESH	SCILAB-An Open-Source Substitute for MATLAB	JNTUH COLLEGE OF ENGINEERING SULTANPUR	25-05-2020 TO 30-05-2020	6 DAYS	2020-21
8.	CH. SURESH	ARTIFICIAL INTELLIGENCE	CBIT, HYDERABAD	22-05-2020 to 26-05-2020	5 DAYS	2020-21
9.	CH. SURESH	ANSYS OF ELECTRONICS & COMMUNICATION	INDUR INSTITUTE OF ENNG. & TECHNOLOGY, SIDDIPET	18-07-2020 TO 22-07-2020	5 DAYS	2020-21
10.	CH. SURESH	RECENT TRENDS IN ELECTRONICS AND COMMUNICATION	BALAJI INSTITUTE OF ENNG. & TECHNOLOGY, NARSAMPET, WARANGAL	13-07-2020 TO 18-07-2020	6 DAYS	2020-21
11.	T. SRAVAN KUMAR	LATEST TECHNOLOGICAL DEVELOPMENTS IN ELECTRONICS AND COMMUNICATION ENGINEERING	KL UNIVERSITY, VIJAYAWADA	05-10-2020 TO 17-10-2020	2 WEEKS	2020-21
12.	T. SRAVAN KUMAR	NATIONAL LEVEL STTP ON "INTRODUCTION TO RADAR SIGNAL PROCESSING"	RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS, ONGOLE, PRAKASHAM DIST.	01-07-2020 TO 18-07-2020	3 WEEKS	2020-21
13.	T. SRAVAN KUMAR	ELECTROMAGNETIC, MICROWAVE, RF & ANTENNA DESIGN USING ANSYS HFSS	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, BHIMAVARAM, AP	27-07-2020 TO 01-08-2020	1 WEEK	2020-21
14.	T. SRAVAN KUMAR	ANTENNA AND MODERN WIRELESS SYSTEM	VIDYA VIHAR INSTITUTE OF TECHNOLOGY, PATNA	3-08-2020 TO 7-08-2020	1 WEEK	2020-21
15.	T. SRAVAN KUMAR	ANTENNA DESIGN AND ANALYSIS USING MATHEMATICAL SOLVER	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI, A. P	07-09-2020 TO 12-09-2020	1 WEEK	2020-21
16.	T MAHARSHI SANAND YADAV	ICT TOOL IN EDUCATION USING MOODLE	PACE INSTITUTE OF TECHNOLOGY AND SCIENCE, ONGOLE.	22-05-2020 TO 26-05-2020	1 WEEK	2020-21
17.	T MAHARSHI SANAND YADAV	SCI LAB – AN OPEN-SOURCE SUBSTITUTE FOR MATLAB	JNTUH COLLEGE OF ENGINEERING	25-05-2020 TO 30-05-2020	1 WEEK	2020-21
18.	D.SURESH	Research Topics in VLSI and Industry Trends	GMR Institute of Technology, Rajam, AP	29th to 31st May 2020	3 DAYS	2020-21
19.	D.SURESH	Artificial Intelligence	National Youth Council of India and Brain vision Solutions India Pvt Ltd	22nd to 26th May 2020	5 DAYS	2020-21
20.	I.POORNA CHANDER	Research Topics in VLSI and Industry Trends	GMR Institute of Technology, Rajam, AP	29th to 31st May 2020	3 DAYS	2020-21

21.	K. NEERAJA	ARTIFICIAL INTELLIGENCE	CBIT, HYDERABAD	22-05-2020 to 26-05-2020	5 DAYS	2020-21
22.	K. NEERAJA	Research Topics in VLSI and Industry Trends	GMR Institute of Technology, Rajam, AP	29th to 31st May 2020	3 DAYS	2020-21
23.	K. NEERAJA	DIGITAL MIND MAPPING FOR ONLINE TEACHING & LEARNING & G-TOOLS	Vignan's Institute of management and Technology for women	2.09.2020 to 06.09.2020	5 DAYS	2020-21
24.	K. NEERAJA	RECENT TRENDS AND FUTURE APPLICATIONS IN ELECTRONICS AND COMMUNICATION TECHNOLOGIES	MLR Institute of Technology	29.05.2020 to 02.06.2020	5 DAYS	2020-21

3.1.4 Workshops Attended

S.NO	NAMES	WORKSHOP	DATES	PLACE
1	T. SRAVAN KUMAR	TWO DAY NATIONAL LEVEL ONLINE WORKSHOP ON "LEARNING MANAGEMENT SYSTEM"	08-07-2020 TO 09-07-2020	HYDERABAD

4 STUDENT ACHIEVEMENTS

4.1 Summary

EXTRA CURRICULAR	PRIZES WON	3
	PARTICIPATED	12

4.1.1 SEMINARS/CONFERENCES ATTENDED BY THE STUDENTS

S.NO	STUDENT NAMES	CLASS	ACTIVITY	DATE	PLACE
1.	Mallam Gurudeep	5 th Sem	Paper Presentation	26 th & 27 th Dec 2020	MVSR Engineering College
2.	N.P. Viraja	6 th Sem	One Minute Video Making [World Environment Day]	5 th June 2020	Vasavi College of Engineering
3.	N.P. Viraja	6 th Sem	Tick Talk Video Making	27 th April 2020	St. Ann's Degree College
4.	Pabba Praneetha	5 th Sem	Development of Miniaturized Sensors for Diverse Applications	23 rd July 2020	BITS Pilani, Hyderabad
5.	M.Madhavi	5 th Sem	Ethical Hacking and Cyber Security	31 st Jan & 1 st Feb 2020	Osmania University, Hyderabad
6.	M.Madhavi	5 th Sem	CSI National Level technical symposium	12 th & 13 th Feb 2020	MVSR Engineering College
7.	M.Madhavi	5 th Sem	Arduino Workshops	29 th & 30 th Jan 2020, 19 th & 20 th July 2019	Methodist College of Engineering and Technology
8.	M. S. V. Sai Praneeth	5 th Sem	Arduino Workshop	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
9.	M. S. V. Sai Praneeth	5 th Sem	Webinar on progressive web application development	18 th July 2020	Methodist college of Engineering and Technology
10.	V. Akash Goud	5 th Sem	Arduino workshop	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
11.	Mallam Gurudeep	5 th Sem	Workshop on Artificial intelligence	06 th June 2020	NIT, Andhra Pradesh
12.	Mallam Gurudeep	5 th Sem	Arduino Workshop (Organizer cum volunteer)	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
13.	P. sanju vardhan	5 th Sem	Arduino Workshop (Organizer cum volunteer)	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
14.	Jyothika Verma	5 th Sem	Arduino Workshop (Volunteer)	29 th & 30 th Jan 2020	Methodist College of Engineering and Technology
15.	Jyothika Verma	5 th Sem	Cloud Computing Webinar	1 st august 2020	Methodist College of Engineering and Technology

4.1.1.1 Mallam Gurudeep

- Secured first position in the event 'Science Model Competition' conducted on 28th Feb 2019-on National Science Day 2019 Celebrations catalyzed and supported by NCSTC&DST.
- Secured 2nd position at state level in NASA space apps challenge pre-hackathon conducted during 14-15 Sep 2019 at Hyderabad. Developed a MODEL ROVER by using a mini drone
- Stood in 4th position at NASA INTERNATIONAL SPACE APPS CHALLENGE at national level conducted at New Delhi during 18-20 October 2019.
- Secured 1st position in CSI National Level Technical Symposium- Fusion 2020 Organized on 13th February .2020
- Worked as an intern in a start-up Through that start-up. A patent has been filed for developing covid19 shield. My contribution was majorly in designing the PPE kit for automobile and office space and in dealing with investors from AP & Telangana. Acted as Spokesperson on behalf of startup in Andhra Pradesh and Telangana.
- Secured 1st position at CSI event hosted by MVSR on 27th of December for publishing paper
- Sent paper to IJMER and got acceptance letter.
- Acted as Technical lead and one of the jury members in Nasa space apps challenge India. Guided participants to solve their technical doubts

4.1.1.2 Sanju Vardhan

- Secured first position in the event 'Science Model Competition' conducted on 28th Feb 2019-on National Science Day 2019 Celebrations catalyzed and supported by NCSTC&DST.
- Secured 2nd position at state level in NASA space apps challenge pre-hackathon conducted during 14-15 Sep 2019 at Hyderabad. Developed a MODEL ROVER by using a mini drone
- Stood in 4th position at NASA INTERNATIONAL SPACE APPS CHALLENGE at national level conducted at New Delhi during 18-20 October 2019.
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- Worked as an intern in a start-up Through that start-up. A patent has been filed for developing covid19 shield. My contribution was majorly in designing the PPE kit for automobile and office space and in dealing with investors from AP & Telangana. Acted as Spokesperson on behalf of startup in Andhra Pradesh and Telangana.
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- Acted as Technical lead and one of the jury members in Nasa space apps challenge India. Guided participants to solve their technical doubts

5 CAMPUS PLACEMENTS

S.NO	NAME	ROLL NO	ORGANIZATION PLACED IN	SALARY OFFERED
1.	RAMAL JAGAN HANUMANKAR	160716735020	FACT SET	448464/-
2.	DUDDU PRABHA SOWMYA SREE	160716735302	ICCS	120000/-
3.	KALYANSETTY AAKASH	160716735305	DELOITTE	250008/-
4.	AKARAPU HARSHITHA	160716735006	VALUE LABS	180000/-

6 ACADEMIC ACHIEVEMENTS

6.1 CLASS TOPPERS (OU EXAMS):

S.NO	NAME	CLASS	ROLL NO	PERCENTAGE/SGPA
1.	NSTP DEVI	VIII SEM	160716735022	8.65

THANK YOU