



ESTD. 1981

Reflections

ECE News Letter Maturi Venkata Subba Rao (MVSR) Engineering College

(Sponsored by Matrusri Education Society – ESTD: 1980)

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Department of Electronics and Communication Engineering of the college offers B.E. program in Electronics and Communication Engineering stream. The department also offers a postgraduate program M.E. (Embedded Systems & VLSID).

Vision

To impart technical education of highest standards in Electronics and Communication Engineering, producing technically competent engineers.

Mission

The department strives to provide the engineering foundation as well as professional, innovative and leadership skills to the students through the following activities:

- M1. To impart adequate fundamental knowledge in Electronics and Communication Engineering.
- M2. To maintain a creative balance of academic, professional and extracurricular activities.
- M3. To create climate conducive to excellent Teaching Learning Process with highest standards of Engineering and Technology.
- M4. To nurture creativity in students with excellent communication skills and teamwork.
- M5. To contribute to advancement in Electronics and Communication Engineering with educational collaborative efforts.
- M6. To make positive contribution to meet societal needs and promote the value of ethical behaviour.

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1. Department Highlights

- One Consultancy Projects of worth 6.5 Lakhs & 6.89 Lakhs were awarded by DRDL and RCI.
- Total 82% of students placed in different companies through campus recruitment.
- Department organized a 2 Day Tech Fest “AANVIK-2019 “ 13th& 14th March, 2019.
- Department organized a “Parent Teacher Meeting” on 23rd March ,2019.
- Alumni Meeting on 12th December 2020

2. Editor's Desk



**Dr.S.P.Venu Madhava Rao,
Professor & HOD**

I congratulate the Editorial committee of ECE Department Newsletter for their untiring efforts in bringing out this volume of “REFLECTIONS” giving the details of activities and achievements of faculty and students of ECE Department for the year 2020. My pleasure in bringing out the editor's note on the activity which are compiled by the Editorial board.

I am happy to note that DRDL has awarded two consultancy project for execution at a cost of approximately 13.4 Lakhs. This gives tremendous confidence to the faculty in their capability. I am sure the faculty and staff put their maximum efforts for all round development of ECE Department. I congratulate J.Uttej and B.Venkatesh Goud for getting OU Ranks 3rd& 9th. I wish the students of final year all success in their careers.

PROGRAM EDUCATIONAL OBJECTIVES

Electronics and Communication Engineering is a broad discipline that incorporates skills and expertise in the areas which are essential to most sectors of Industry.

PEO1: Excel in comprehension of basic sciences and engineering facilitating professional accomplishments and/or pursue higher qualification with an appreciation to lifelong learning.

PEO2: Provide solutions to real time problems by designing, analyzing, demonstrating creativity and innovations to enable the development of State of Art equipment and technologies of multidisciplinary nature for societal requirements.

PEO3: Inculcate positive attitude, professional ethics, effective communication and interpersonal skills to succeed in chosen profession, as a team member and as a Team leader.

PROGRAM SPECIFIC OUTCOMES

1. To design and investigate complex Electronics and communication systems for multi disciplinary tasks.
2. To use modern Electronic Design Automation (EDA) tools and state of art softwares to synthesize and implement Electronics and Communication Systems.

3. Journal / Conference Papers publications

a) Journal Conference Papers

S. No.	Name of the Staff	Title of the Paper	Name of Journal	ISSN NO & P.P NO, Vol.& Issue	Month & Year	National / International
1	N.Kavitha	Texture Characterization and Classification to Detect Brain Tumor	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN- 2278-3075, vol-9, Issue-5	March, 2020	International
2	T.Kavitha	A Fast and Efficient Lossless Compression Technique for Greyscale Images	International Journal of Circuits, Systems and Signal Processing	ISSN: 1998-4464, Volume 14, p.114-123.	April, 2020	International
3	Shilpa B Darvesh	Design and Implementation of IIT SRAM Cells for Half Select Issues in Write and Read operation	The International Journal of Analytical and experimental Model Analysis	ISSN NO : 0886-9367, Vol-XII, ISSUE : VII , p.no-555	July, 2020	International
4	SVR. Manimala	Sparse MR Image Reconstruction Considering Rician Noise Models : A CNN Approach	Wireless Personal Communications (SCIE,SCOPUS)	1572-834X, pp:491-511 vol-116	August, 2020	International

b) Conference Papers

S. No.	Name of the Faculty	Topic	Name of the Conference	Place	Date
1	KVBL Deepthi	Intelligent Computing and Control Systems (ICICCS 2020)	International Conference (IEEE)	Madhurai, India	13-05-2020 to 15-05-2020
2	N.Kavitha	Smart Modernistic in Electronics and Communications	Online International Conference (ICSMEC)2020	St.Martin Engineering College , Sec'bad	29-06-2020& 30-06-2020

c) List of Deliver Lectures / IETE Award/ Appreciation Certificate/ Chairman/Judge etc.

S. No.	Name of the Faculty	Topic / Event	Place	Appreciation Certificate / Chairman /Judge etc.	Dates
1	Dr. B. Sarala	International Conference on Transformation in Engineering Education (ICTIEE-2020)	Anurag Group of Institution	Delegate	5 th to 8 th Jan,2020
2	N.Kavitha	Online quiz on Devices, Circuits and Applications	Shadan Womens College of Engineering	Appreciation with passing score of 100%	10 th June,2020
3	N.Kavitha	Online quiz on A National Level Technical Quiz	Bapatla Womens Engineering College	Appreciation with passing score of 100%	12 th June,2020
4	G.Mahendar	Attending 1-week lecture on Resent Trends on RF & Its Application	Malaviya Institute of Technology, jaipur Govt. Engg.College	Lecture	26 th to 30 th June,2020

d) IETE Student forum

The following events were conducted by **IEEE Circuits and Systems Society Student Chapter** under the guidance of Faculty Advisory Committee

Dates	Name of the event
28-9-2020 to 30-9-2020	Three-Day Workshop on "Coding on Raspberry Pi"
7-25-2020	Guest Lecture on "Career Options and Opportunities for Electronic U.G and P.G Students"
6-4-2020	Seminar Conducted on "Path towards Jobs in Core Sector for Budding Electronics Engineers"
6-4-2020	Seminar Conducted on " Opportunities in VLSI Industry"

4. Workshops / FDP

➤ AICTE Sponsored FDP

Department organized a Two Weeks Online on “Introduction to SoC Design-Basics to Development of Chips” in three tiers from 01/11/2020 to 12/11/2020, 16/11/2020 to 28/11/2020 & from 07/12/2020 to 19/12/2020.

➤ Staff Development Program on Enhancing Laboratory Skills

Department organized a Two Weeks FDP on “Communications” from 30/12/2019 to 04/01/2020, to enhance the Laboratory Skills for supporting staff.

5. Faculty Updates

Dr.DRVA Sharath Kumar has joined the department as Assoc. Prof. on 17-08-2020.

Student Achievements

1. OU Ranks

The following final year students of batch 2016-2020 secured OU ranks as stated below

Name of the student	Roll Number	OU Rank
J.Uttej	2451-16-735-136	2 nd Rank
B.Venkatesh Goud	2451-16-735-063	9 th Rank

2. Pass percentage of students

S.No.	Name of the Programme	Academic Year	Sem I/II	Number of Students Appeared In Final Semester/Year Examination	Number of Students Passed In Final Semester/Year Examination	Pass Percentage
1	B.E. (E.C.E.)	2019-20	I	194	189	96.39
2	M.E.(ES&VLSI)	2019-20	II	6	6	100

3. GATE/ GRE/ CAT Ranks

(i) Gate Rankers

S.No.	Name of the Student	GATE Rank
1	Uday Kiran Reddy Toodi (2451-16-735-121)	2767
2	Sai Praneeth Reddy (2451-16-735-002)	3306
3	Venkata Srinivasa Satya (2451-16-735-091)	19850
4	Jayanth Banuri (2451-16-735-102)	11051
5	P Vijay Kumar (2451-16-735-081)	14311
6	Yoshika Gona (2451-16-735-064)	11328
7	BlessyAmulya Sama (2451-16-735-133)	6620

8	Hruday Sai Regatta (2451-16-735-178)	3719
9	LikhithaRathlavath (2451-16-735-150)	21016

(ii) GRE Scores

S.No.	Name of the Student	GRE Score
1	Sai Kishore Reddy (2451-16-735-069)	306
2	LonkaNihar Reddy (2451-14-735-002)	310
3	HeenaShafiya (2451-10-735-304)	318
4	Sai Pratyusharra (2451-16-735-049)	313
5	B Hithysha (2451-16-735-161)	288

(iii) CAT Scores

S.No.	Name of the Student	CAT Score
1	VishruthGuda (2451-14-735-068)	8.0
2	Madhukar Vijay Kumar(2451-13-735-126)	7.5
3	Uttej Kumar Reddy (2451-13-735-150)	7.0
4	Vamshi Krishna Reddy Chilkuni (2451-14-735-038)	7.0
5	SaipavanTadikonda(2451-14-735-097)	7.0
6	Lonka Nitish Reddy (2451-14-735-069)	7.0
7	Sai Kumar Rapolu (2451-15-735-317)	6.5

(iv) Prizes Won by the Students

S. No	Name of the student	Conf. / Fest	Event	Place	Date	Awards/ Prizes/score
1	2451-18-735-097 K.Vamsi Krishna	Online Course	An Introduction to Programming through C+	NPTEL	27 th Jan to 17 th April,2020	84
2	2451-18-735-129 K.Uthej	Online Course	The Joy of Computing using Python	NPTEL	27 th Jan to 17 th April,2020	84
3	2451-18-735-106 V.Reini Rowena	Online Course	Plastic waste Management	NPTEL	27 th Jan to 20 th March, 2020	56
4	2451-17-735-153 Pranitha Haarini	Online Course	Network Analysis	NPTEL	27 th Jan to 17 th April,2020	84
5	2451-18-735-110 M.Deeksha	Online Course	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	27 th Jan to 17 th April,2020	84
6	2451-18-735-110 M.Deeksha	Online Course	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	27 th Jan to 17 th April,2020	84

7	2451-17-735-002 D.Madhusudhan	Online Course	Control Engineering	NPTEL	27 th Jan to 17 th April,2020	84
8	2451-17-735-135 E.Ajay	Online Course	Introduction to Internet of Things	NPTEL	27 th Jan to 17 th April,2020	84
9	2451-17-735-138 K.Ashok	Online Course	Introduction to Internet of Things	NPTEL	27 th Jan to 17 th April,2020	84
10	2451-18-735-097 K.Vamsi Krishna	Online Course	An Introduction to Programming through C++	NPTEL	27 th Jan to 17 th April,2020	84
11	Kalal Mounika 245117-735-304	Quiz	National Level Aptitude Test	KITS, Warangal	05 th July 2020	100%
12	G. Lakshmi 2451-17-735-316	Quiz	National Level Aptitude Test	KITS, Warangal	05 th July 2020	100%
13	M.Srilekha 241-17-735-318	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	95 %
14	G Lakshmi 2451-17-735-316	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	95 %
15	A.Lakshmi Sri Pranathi 2451-18-735-064	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	100%
16	S Lakshmi Prasanna 2451-18-735-086	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	95%
17	G.Lakshmi 2451-17-735-316	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	95%
18	U.Pujitha 2451-18-735-079	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	100%
19	Kalal Mounika 2451-17-735-304	One week Online workshop	Fundamentals of MATLAB and Programming	KITS, Warangal	6 th to 11 th July 2020	90%

4. Placement Record

year	No. of Companies Visited	No. Of Students Selected	Salary Per Annum	
2020	32	104	IT (Deloitte) 7.6 Lakhs Max.	Core (FCA) 4.25 Lakhs Max.



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