



ESTD. 1981

Reflections

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

(Sponsored by Matrusri Education Society – ESTD: 1980)

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Editorial Committee:**Faculty:**K. Narasimha Rao, Assistant Professor
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Mohammed Zafer Ahmed
T Raman Raj**INSIDE THIS ISSUE:**Journal/Conference papers by Faculty
Events Organized by the Department
Department Updates
Student Achievements

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.

1. Department Highlights

- Total 71% of students placed in different companies through campus recruitment.
- Department conducted “A Two-day National Level Student Technical Fest AANVIK2K18” on 1st and 2nd March, 2018
- Department organized a 5-day workshop on “Analog, Digital and Mixed Signal VLSI Design Using Mentor Graphic Tools”, from 24th September, 2018 to 29th September 2018.
- Department organized a 5-day Intensive training program on “State of Art Technology in Industry”, from 01st October,2018 to 06th October,2018.

2. Editor’s Desk



Dr.B. Sarala,
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 2018. My pleasure in bringing out the editor’s note on the activity which are compiled by the Editorial board.

I am happy to share that ECE Department has secured highest marks during the NBA accreditation process and also R & D section approved from Osmania University. 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 Talari Karun Kumar, Gouni Praneetha and Dandamudi Bhavya Sai for getting OU Ranks 5th, 8th and 10th. 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.

Journal paper publications:

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	Dr.S.P. Venu Madhava Rao	Effect of High-K Gate on the functioning at Nano Meter sizes	IOSR Journal of Engineering (UGC)	ISSN:2250-3021, PP:49-53, Vol-8,Issue-11	November, 2018	International
2	Dr. S.P. Venu Madhava Rao	Emotion Classification from EEG signals using LSTMRNN	Journal of Advanced Research in Dynamical and Control Systems (Scopus Index)	ISSN:1943023X, PP:307-312, Vol-10,Issue- 13	October, 2018	International
3	Dr. B. Sarala	Implementation of Dynamic Key Based Stream Cipher Using Pipelining technique in Toeplitz Hash Function	International Journal of Management, Technology and Engineering	ISSN:2249-7455, PP:895-903, Vol-8,Issue-VIII	Aug,2018	International
4	SVR. Manimala	Convex optimization and greedy iterative algorithms for dictionary learning in the presence of Rician noise	International Journal of Engineering & Technology (Scopus)	PP:4922-4929, 7(4) (2018) www.sciencepubco.com/index.php/IJET doi : 10.14419/ijet.v7j4.15768	Dec,2018	International
5	SVR.	High Performance XOR Free	International Journal of	ISSN- 2454-	Sept,2018	International

	Manimala	Approach For Convolution Encoder	Emerging Technologies in Engineering Research (IJETER)	6410, PP:27-31, Vol-6, Issue-9		
6	T. Kavitha	International ITU-T-Standard Still Image Compression Techniques For Group 3 & Group 4 Coded Images - - A Survey	International Journal of Advanced Research in Engineering and Technology (IJARET) ,(UGC)	ISSN:0976-6480, PP-129-144, Vol-9, Issue-6	Dec,2018	International
7	T. Kavitha	A Refined Modified Read Compression Technique for Efficient Sharing of Multimedia Data	International Journal of Engineering and Technology (Scopus)	PP:4792-4798, 7(4) (2018) www.sciencepubco.com/index.php/IJET doi : 10.14419/ijet.v7j4.15022	Sep,2018	International
8	T. Kavitha	Ideal Huffman Code for Lossless Image Compression for Ubiquitous Access	International Journal of Electrical Engineering and Computer Science (Scopus)	ISSN:2502-4752, PP:765-774, Vol-12, Issue -2	Nov,2018	International
9	T. Kavitha	Implementation of FIR filter using Wallace Multiplier Based on Symmetric Stacking	International Journal of Emerging Technologies in Engineering Research (IJETER)	ISSN:2454-6410, PP:8-13, Vol-6, Issue-8	Aug,2018	International
10	E.V.Naga Lakshmi	Estimation of Power for Reversible Sub tractors	International Journal of Engineering & Technology (Scopus)	PP:102-104, 7(4.5) (2018) Website www.sciencepubco.com/index.php/IJET	2018	International

Conference Papers:

S. No	Name of the Faculty	Topic	Name of the Conference	Place	Date
1	Dr. B. Sarala M. Zaheer Ahmed	Performance Analysis of OFDM over Multi Path Rayleigh Fading Channels	Broadcast Engineering Society, Hyderabad Chapter	Broadcast Engineering Society, Hyderabad Chapter	07-01-2018
2	Dr. B. Sarala	Design of High Speed ALU using Modified Kogge Stone Adder and Pipelined Vedic Multiplier	1 st National Conference on Trends in Science, Engineering & Technology	Matrusri Engineering College., Saidabad	02-02-2018 & 03-02-2018
3	SVR Manimala	Dictionary Learning Based MR Image Reconstruction In the Presence of Speckle Noise: Greedy verses Convex	International Conference on Soft Computing and Signal Processing (ICSCSP-2018) Scopus - springer	Malla Reddy College of Engineering & Technology	22-06-2018 23-06-2018

Events Organized by the Department

1) Two-day National Level Student Technical Fest (AANVIK 2K18)

AANVIK 2K18 is an annual technical fest conducted by the Department on 13th and 14th March, 2018. It is a two-day event comprising a number of technical, Robotic and fun events. AANVIK 2K18 poster was released two weeks before the event.



2) Other Events Organized by the Department:

There are many technical events like Paper presentation, Poster presentation, Project Expo, Robotics, Wire-O-Thon etc. along with Fun events like Snake and Ladder. The Wire-O thon and Paper presentation events got huge response. Students from various colleges participated in all the events.



3) Parent Teacher Meeting

The Department has organized Parent Teacher meeting once in the semester and organized on 22nd September, 2018. The main purpose of the Parent Teacher meeting was to create a common platform, where teachers and parents come together to enrich the student's educational experiences and discuss variety of issues, regarding all round development of students.



Department Updates

1. Guest lecturers / Training session / Seminars

Dates	Events
04-01-2018 & 05-01-2018	Guest Lecture on "Signal Processing and Communication Engineering Systems(SPACES-2018)
24-02-2018	Guest Lecture on Advanced Microcontrollers.
15-09-2018	Guest Lecture on Latest Trends in Microcontrollers.
12-10-2018	Bathukamma celebrations.



Bathukamma



Alumni meet

2. Workshops / FDP

- Department organized a 5 day workshop on Analog, Digital and Mixed Signal VLSI Design Using Mentor Graphic Tools from 24th September, 2018 to 29th September 2018.
- Department organized a 5 day workshop on State of Art Technology in Industry from 01st October, 2018 to 06th October, 2018.



3. Faculty Updates

K. Divya and K. Ramini has joined the department as Asst. Prof. on 01/05/2018.

Student Achievements

1. OU Ranks:

The following final year students of batch 2015-2019 secured OU ranks as stated below.

Name of the student	Roll Number	OU Rank
Talari Karun Kumar	2451-14-735-142	5 th Rank
GouniPraneetha	2451-14-735-033	8 th Rank
Dandamudi Bhavya Sai	2451-14-735-042	10 th Rank

2. Prizes Won by the students in inter college events

(i) Prizes Won in Technical Events

S. No	Name of the student	Conf/ Fest	Event	Place	Date	Awards / Prizes
1	B. Manish 2451-16-735-060	Paper Presentation	TECHNOLIT ES	CVR College of Engg.	29 th Sep,2018	1 st Prize
2	N. Chandu 2451-15-735-042	Mock Interview	InforIThm-2k18	MVSR Engg. College	28 th & 29 th March,2018	1 st Prize
3	G. Vaishnavi 2451-16-735-155	Techno Fest	Aanvik-2k18	MVSR Engg.College, ECE DEPT.	14 th & 15 th March,2018	1 st Place
4	P VIKAS	TECHNO FEST	AANVIK-2K18	MVSR Engg. College, ECE DEPT.	14 th & 15 th March,2018	2 ND PRIZE
5	S Vamshi Krishna	TECHNO FEAST	AANVIK-2K18	MVSR Engg. College, ECE DEPT.	14 th & 15 th March,2018	1 ST PRIZE
6	K SUSHMA SREE 2451-16-735-151	Mock View	AANVIK-2K18	MVSR Engg. College, ECE DEPT.	14 th & 15 th March,2018	1 ST PLACE
7	P MAHIMA 2451-16-735-153	BADMINTON	ATHELEMA-2k18	MVSR Engg. College	20 & 21 ST March,2018	1 ST PLACE

(ii) Prizes won in Sports

S.No.	Name of the Student	Tournament	Year	Organized College	Result
1	K. Prudhvi 2451-16-735-047	ATHELEMA-2K18	20 th & 21 st march,2018	MVSR Engg. College	III Place
2	D. Vanajakshi	ATHELEMA-2K18	20 th & 21 st march,2018	MVSR Engg. College	1 st Place
3	G. Vaishnavi 2451-16-735-155	ATHELEMA-2K18	20 th & 21 st march,2018	MVSR Engg. College	1 st Place
4	R.LIKHITHA 2451-16-735-150	ATHELEMA-2K18	20 th & 21 st march,2018	MVSR Engg. College	1 st Place
5	N.Chanduu 2451-15-735-042	ATHELEMA-2K18	20 th & 21 st march,2018	MVSR Engg. College	1 st Place

3. Placement Record

year	No. of Companies Visited	No. Of Students Selected	Salary Per annum	
2018	22	114	IT 6.0 Lakhs Max (Deloit)	Core 7.00 Lakhs Max (FMC Ltd)