



REFLECTIONS

ECE News Letter

MVSR ENGINEERING COLLEGE

(Sponsored by Matrusri Education Society - ESTD : 1980)

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1. Department Highlights

- The Department of ECE has been conferred with the status of 'Research Center' by Osmania University.
- The IEEE Student Section of the department has received Darrel Chang award (Gold Medal) for the year 2017 from the IEEE.
- Two Consultancy Projects of worth 6.5 Lakhs & 6.89 Lakhs were awarded by DRDL and RCI.
- Total 69% of students placed in different companies through campus recruitment.
- Department conducted "A two day National level student technical fest AANVIK2K17" on 1st and 2nd March 2017
- Department conducted "Electronic Expo" on 1st and 2nd March 2017

- Department organized a 3 day workshop on “VLSI system Design FPGS simulation and synthesis”, from 2nd to 4th February 2017
- Department organized a 3 day Intensive training program on “Analog, Digital and Mixed signal IC design using Mentor Graphics tools”, from 14th to 16th September 2017.
- 2 day training on “Embedded System Design using ARM Processor” on 16th and 17th October 2017.
- 2 day Workshop on “Sensor Control Robot” on 13th & 14th October 2017.
- Alumni Meeting on 16th December 2017
- Dr.K.Usha was ratified as professor by OU selection committee in August 2017, And She had received “ Sir Thomas ward Memorial prize “for best paper from ‘The Institution of Engineers.

2. Editor’s Desk

I congratulate the editorial committee of ECE Department Newsletter for their untiring efforts I bringing out this volume of “REFLECTIONS” giving the details of activities and achievements of faculty and students of ECE Department for the year 2017. My pleasure in bringing out the editors note on the activity which are compiled by the editorial board.

I express my hearty congratulations to my colleague Dr.G.K.Durga for taking in charge of as Principal of MVSREC. I congratulate Dr.K.Usha for being selected as professor by OU selection committee and also for getting the award “Sir Thomas ward Memorial prize “for best paper. I am happy to note that DRDL has awarded two consultancy projects for execution at a cost of approximately 13.4 Lakhs. This gives tremendous confidence to the Faculty in their capability. I also congratulate the IEEE student’s chapter for having won Darrel Chang gold medal award. I am sure the faculty and staff put their maximum efforts for all round development of ECE Department. I wish the students of final year all success in their careers.

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	N. Namassivaya	Presentation Analysis of Routing Protocols In Ad Hoc Network's And Its Portability	International Journal of Science, Technology and Management (IJSTM)	ISSN No-2250-0596, Vol-X, p.no-14-21,	Jan,2017	International
2	N.Kavitha Sudhir Dakey	Removal of Artifacts Based on Weighted guided filtering for Digital Video quality	International Journal of Research	Vol-4, Issue-2,	Feb,2017	International
3	T. Kavitha S.V.R.Manimala	Design of Fully Scalable Reconfigurable Parallel Architecture for the Computation of Approximate DCT	International Journal of Innovative computer Science and Engineering (IJICSE)	2393-8528 Vol-4, Issue-2, p.p no-126	March - April, 2017	International
4	DVSR. Sesidhar M.Vijaya Krishna	Comparative Analysis of SWT Based OFDM and DWT based OFDM using Different Modulation Approaches to Improve BER Performance	International Journal of Scientific Engineering and Technology Research	ISSN -2319-8885 Vol-06, Issue-25	July,2017	International
5	V.SURESHKU MAR	Safe Driving without using mobile phones	International Journal for Innovative Engineering and Management Research	2456-5083 Vol-6, Issue 5, Page no.2198-2200	July,2017	International
6	V.SURESHKU MAR	A High Capacity and Secured color image Steganographic technique using Discrete Wavelet Transform	International Journal for Innovative Engineering and Management Research	2456-5083 Vol-6, Issue 5, Page no.2201-2209	July,2017	International
7	E.V.Naga Lakshmi	Design and Implementation of Double Gate 8 T SRAM Cell Using MTCMOS	International Journal of Research	e-ISSN : 2348-6848 P-ISSN : 2348-795X Volume-4, Issue-10	Sep,2017	International
8	E.V.Naga Lakshmi	Design and Implementation of Double Gate SRAM Cells	International Journal of Research in Electronics & Communication Engineering -2264	ISSN : 2321-5593(online) ISSN : 2321-032X(Print) Volume-5,	Sep-Oct, 2017	International

				Issue-5		
9	Shilpa B Darvesh	Design and Implementation of Low Power LFSR For Fast ATPG Process	International Journal of Emerging Technologies in Engineering Research (IJETER)	ISSN : 2454-6410 Volume-5, Issue-9	Sep,2017	International
10	Sudhir Dakey	“Design of Area and Power Efficient Line Decoders for SRAM”	International Journal of Emerging Technologies in Engineering Research (IJETER)	Volume 5, Issue 11, ISSN : 2454-6410, Pages : 51-56	November (2017)	International

3. Conference Papers

no	Name of the Faculty	Topic	Name of the Conference	Place	Date
1	Dr. S. Swapna Rani	Performance Analysis of Lossless compression Techniques to Investigate the optimum image compression technique	International Conference on Instrumentation in EEE (ICIEEE,2017) ISBN : 978-93-85225-86-4	Technical Research Organization at Vijag	15 th January,2017
2	Dr. B. Sarala	LOW LATENCY SCALABLE HIGH PERFORMANCE ELLIPTIC CURVE INVERSE BLOCK IN GF (2m)	International Conference on Emerging Trends in Engineering, Science and Management (ESM-17)	Sphoorthy Engineering College	17 th & 18 th March,2017
3	V. Rajitha Rani	Performance Analysis of Efficient Routing Protocols to Improve Quality of Service in Wireless Sensor Networks	6 th IEEE International Conference	Adhiparasakti Engg. College, Melmaruvathur, Tamilnadu	6 th to 8 th April,2017
4	N.Srinivas	Analysis of Hard decision and softdata fusion schemes for Cooperative Spectrum Sensing in Rayleigh Fading Channel	IEEE 7 th International Advance Computing Conference		13 th July,2017.
5	N. Namassivaya	GNSS and Focus on NAVIC (Telangana State Centre Prize for the Best	3 rd Annual main Function	Institute of Engineers	31 st October,2017

		Technical paper)			
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Events Organized by the Department

1) Two day National level student technical fest (AANVIK 2K17)

AANVIK 2K17 is an annual technical fest conducted by the Department on 1st and 2nd March 2017. It is a two day event comprising a number of technical, Robotic and fun events. AANVIK 2K17 poster was released two weeks before the event by our college treasurer, principal and staff of 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.





2) Electronic Expo 2K17

“Electronic Expo” was organized by the Department on 1st and 2nd March 2017, where all electronic products from various industries have been demonstrated.



3) Parent Teacher Meeting

The Department has organized Parent Teacher meeting twice , once in each semester on 18th March 2017 and 28th October 2017.

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.



IETE Student forum

The following events were conducted under the guidance of Faculty Advisory Committee

18-09-2017 Technical events on the occasion of 50th Engineers day celebrations.



14-2-2017 IETE students day celebrations. Technical events include technical quiz, Extempore and technical crossword puzzle.

Department Updates

1. Guest lecturers / Training session / Seminars

- 28-02-2017 "Science Day" - A lecture on "Space technology : Relevance to Society".
- 14-03-2017 A training session for BE 3/4 ECE students on "Mind power"
- 15-03-2017 Carrier guidance and Verbal aptitude by simple maths for BE 2/4 ECE students
- 16-03-2017 A training session for BE 2/4 students on "Mind Power"
- 04-07-2017 Demo on "Mentor Graphic tools"
- 06-07-2017 Demo on "Mentor Graphic tools"
- 25-07-2017 Presentation on "Thesis Writing"
- 10-08-2017 Guest Lecture on "Design and Analysis of RF antennas using ANSYS HFSS".
- 23-08-2017 Seminar on "Carrier guidance and GATE, IES , PSU".
- 22-09-2017 Bathukamma celebrations



- 16-12-2017 Alumni Meet



2. Workshops / FDP

1. Department organized a 3 day workshop on "VLSI system Design FPGS simulation and synthesis", from 2nd to 4th February 2017
2. Department organized a 3 day Intensive training program on "Analog, Digital and Mixed signal IC design using Mentor Graphics tools", from 14th to 16th September 2017.



3. Department organized a two day workshop on “Sensor controlled Robot”, from 13-10-2017 & 14-10-2017.



4. Department organized a two day training program on “Embedded system design using ARM processor” on 16-10-2017 & 17-10-2017.



3. Faculty Updates

- Dr.K.Usha has ratified by OU selection committee as professor.
- L. Karthik has joined the department as Asst. Prof. on 01-03-2017.
- G. Indra Sena Reddy has joined the department as Asst. Prof. on 02-02-2017.
- S. Ravi Kumar and C. Laxman Sai , V.Vijay Lakshmi and G. Vishnu Kanth Reddy joined the department as Asst. Prof. on 03-07-2017.
- M.Zaheer Ahmed has joined the department as Asst. Prof. on 04-07-2017.
- M. Sai Satya Sree and K. Kavya has joined the department as Asst. Prof. on 27/09/2017.

Student Achievements

1. OU Ranks

The following final year students of batch 2013-2017 secured OU ranks as stated below

- i. Kannamedi Indira 2451-13-735-042 7th Rank
- ii. Chandrala Pallavi 2451-13-735-124 8th Rank
- iii. Mullapudi Swathi 2451-13-735-088 10th Rank

2. Gate/ GRE/ CAT Ranks

Gate Rankers

S.No	Name of the Student	GATE RANK
1	P.Manmadha Swamy	4227
2	P. Sai Mounika	7163

3	Shaik Mahmud	7232
4	C.Pallavi	7433

GRE Scores

S.No	Name of the Student	GRE SCORE
1	G. Vijay Bhargav	324
2	J.Varun	324
3	N.Rooma Vijaya	320
4	G. Bhuvaneshwari Devi	316
5	S. Chandra Kiran	316
6	N. Phani Kiran	316
7	G. Nagender Reddy	315
8	K.Akshay Kumar	315
9	K. Sarath Chandra	309
10	D.V.S.P Hemanth	308
11	G. Sriram	307
12	Likhitha M	307
13	Ch. Pavan Rama	306
14	Y. Brunda	302

3. 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	Sruthi	ACUMEN CS FEST,2017	Paper presentation	VCE, Hyderabad	23 rd March,2017	2 nd
2	Gandham Shruti	GENOS-2K17		JNTU, Hyderabad	21 st & 22 nd March,2017	3 rd
3	V. Nikhil Reddy	AAKRUTHI 17	Paper Presentation (Prasthuthi)	Osmania Unversity	10 th , 11 th of march 2017	1 st
4	MVAS Pavan Kumar					1 st
5	L.Ruthvik		KRITHI (Project Expo)			2 nd
6	MVAS Pavan Kumar					2 nd
7	B.Shivani					PRASTHUTHI(Paper presentation)
8	V. Nikhil Reddy	TECHNOVANZA		IEEE student	31 st March	3 rd

		2K17		branch MVSREC	2017	
9	G.Sruthi	SUMSHODHINI 17	Paper presentation	KITS, Warangal	12-14 Oct 2017	1 st
10	V. Nikhil Reddy	Fusion 2018		CSE Dept- MVSREC	9 th & 10 th Feb 2018	2 nd
11	V. Nikhil Reddy	PROMETHEAN2K17	Paper presentation	BV Raju Institute of technology	6 th & 7 th Oct 2017	1 st

(ii) Prizes won in Sports

S.No.	Name of the Student	Tournament	Year	Organized College	Result
1	V. Prasad 2451-15- 735-302	Chess	30 th & 31 st August,201 7	Osmania University, Hyderabad	III Place

4. Placement Record

year	No. of Companies Visited	No. Of Students Selected	Salary Per annum	
2017	19	114	IT 6.2 Lakhs Max (Deloit)	Core 7.00 MAX (FMC Ltd)