

REFLECTIONS

ECE News Letter

MVSR ENGINEERING COLLEGE

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Volume 6 Issue 1

January to December 2015

Chairman Dr. M. V. Sridhar

Secretary Sri T. Jitendra Nath

Treasurer Sri M. V. Vasudeva Rao

1. Editorial Committee

Patron – Dr. P. A. Shastri

Editor – Dr. V. Chandra Sekhar

Editorial Committee

Faculty – Dr. B. Sarala

Smt. E.V. Naga Lakshmi

Students – P.Uttej Reddy ECE 4/4

Ajay Kumar ECE 4/4

Sree Lekha ECE 4/4

2. Department Highlights

- Students of the Department achieved Two OU ranks
- Department has successfully completed consultancy project “Future based SAR registration” worth 5.5 lakhs from DRDO
- Smt. K. Usha has received doctorate from JNTU Hyderabad.
- Total 68% of students placed in different companies through campus recruitment.
- Introduced Department Tech Fest –AANVIK 2K15



3. Editors Desk

I am happy that the efforts of the Editorial committee have been fruitful in bringing out the activities of the Department through this newsletter. I am glad to inform that the Department has successfully completed consultation project 'Future based SAR registration worth 5.5 lakhs from DRDO. I am happy that many faculty have published several technical papers in reputed journals and attended various conferences & workshops as a part of upgrading their technical knowledge. With the a constant efforts of the faculty the Department has successfully organized a 3day workshop on 'PCB design & fabrication' & a four day workshop on advanced digital design using Verilog HDL. A National Level technical Symposium 'AANVIK 2k15' that has helped the students to share the knowledge among peers was organized by the department with participants from several reputed institutions.

4. Journal paper publications

S.No.	Name of the Staff	Title of the Paper	Name of Journal	Month & Year
1	M. Vijay Krishna	Design of ternary sequence using of MATLAB	Journal of Advanced computing communication technology	Feb,2015
2	N.Namassivaya	Dynamic Power Reduction in Frequency Divider Using Advanced Adiabatic	International Journal of Engineering & Science Research	June,2015
3	N. Kavitha	PARP reduction in OFDM system using non linear companding algorithm	International Journal of Scientific Engineering and Technology Research	June 2015
4	Sudhir Dakey	Design, implementation and performance analysis of 8-bit vadic multiplier	International Journal of Modern Trends in Engg. & Research	June,2015
5	Sudhir Dakey	Efficient Area and High Speed Advanced encryption Standard Algorithm	International Journal of Emerging Engineering Research and Technology	July,2015
6	N. Kavitha	Optimized Evaluation Approach to	Global journal of Advanced	2015

	Dr. K. Usha	Show the Timing Hitter and I/Q Imbalance Impact in OFDM Communication System	Engineering Techniques	
7	Sudhir Dakey	Design and Implementation of Area Delay Efficient Booth Multiplier Based on CBL	International Journal & Magazine of Engineering & Technology, Management and Research	July,2015
8	B. Sarala	Secure Data Communication using Cryptography and Steganography Standards	International Journal of Emerging Engineering Research and Technology	July,2015
9	B. Sarala	Design and Analysis of Variable Body Bias SRAM	International Journal of Advanced Technology and Innovative Research	July,2015
10	B. Sarala	Fault Tolerant Architecture Design for Digital Adder	International Journal of Emerging Engineering Research and Technology	July,2015
11	E.V. Naga Lakshmi	Implementation of Parallel Prefix Adders Using Reversible Logic Gates	International Journal & Magazine of Engineering Technology, Management and Research	July,2015
12	B. Bhavani	Design and Implementation of Folded & Un-folded Tree Architectures for Processing Unit in Wireless Sensor Nodes	International Journal of Scientific Engineering and Technology Research	July,2015
13	S.V.R.Manimala	FPGA implementation of short duration Video Encryption & Decryption	IJESC	July,2015
14	Sudhir Dakey	Design and analysis of a Full Adder Using Various Reversible Gates	International Journal of Modern Trends in Engg. & Research	Aug,2015
15	Dr. G.Kanaka Durga	Design and implementation of Wallace Tree Multiplier Using Kogge Stone Adder and Brent	International Journal of Engineering Research & Technology	Aug,2015
16	Dr. N. Srinivas	Cooperative spectrum sensing with double threshold and censoring in Rayleigh faded cognitive radio network	International journal of Wireless personal communications, springer publication	Sep,2015
17	Smitashree Mohopatra	Implementation of Carry select adder using CMOS full adders	IJERT	2015
18	Sudhir Dakey N.Kavitha	An Over view of Security Issues in Internet of Things	International Journal of Modern Trends in Engg. & Research	Nov,2015

5. Conference Papers

S.No.	Name of the Faculty	Paper Title	Venue
1	B. Sarala	PAPR Reduction Comparisons of the MC-CDMA with various companding tech works	Joint Global Conference on " DEMOCRATIZING COMMUNICATIONS "
2	Dr. N. Srinivas Dr. V. Chandra Sekhar	Detection Performance of Soft Data Fusion in Rician Fading Channel for Cognitive Radio Network , accepted	18 th International Symposium on Wireless Personal Multi Media

			Communications
3	S. Aruna	Design and Implementation of 15-4 Compressor using 1-bit semi Domingo full adder in 28nm technology	IEEE Conference

6. Events Organized by the Department

- A four day workshop on “Advanced Digital Design using Verilog HDL”, from 28th Jan to 31st Jan 2015.
- A Two- day Technical fest “**AANVIK-2K15**” was conducted on 24th & 25th March, 2015 with participants from in and around Hyderabad.
Introduced Department tech Fest AANVIK2K15, a biannual technical fest in the Department. There were technical and also fun events. More than 200 students from in around the college were participated in all the events.





- A One-day seminar on “**Recent Trends in Embedded System Design**” was organized on 26th Aug, 2015.
- “**Technical paper writing using LATEX**”
A one day Seminar was held on 19th Sept, 2015 to upgrade the paper writing skill of all faculty and thesis writing for those who are pursuing PhD using Latex.



- **“MICROMOUSE”** A National Level Workshop was organized from 26th to 28th Sept, 2015.



7. Events organized by the department and IEEE students branch

1. Helping Hands on 26-01-15
2. MATLAB Tutorial on 11-02-15
3. Android Workshop on 13-2-15&14-2-15
4. 3-D Printing workshop on 22-02-15
5. Virtual labs on 20-02-2015 & 21 -02-15
6. Women's day on 07-03-15
7. INTL lecture (smart radio frequency IC) on 27-03-15
8. Helping hands on 15-08-15
9. Digital Image Processing workshop on 26-08-2015 & 27-08-15
10. Engineer's Day on 15-09-15
11. IEEE day 2k15 on 6-10-15

8. Events organized by the Department and IETE student branch

1. 2-Day national workshop on android application development on 5-02-2015 & 6-02-2015.
2. **" PCB Design and Fabrication"**

A Three day National Level workshop was organized in collaboration with IETE student forum from 15th to 17th October, 2015.







3. IETE foundation day on 2-11-2015

- The Cultural festival “**Bathukamma**” was organized on 17th Oct. 2015
- Guest lecture on EMI/EMC testing and its important on 29-08-2015 by DR.N.Srinivasa Rao, SMI EEE, NEC, Hyderabad.
- Guest lecture on Broad casting multi platform Scenario on 22-02-2015 by Mr. D.S.R.B.N.H Baba, Scientist.
- Road safety awareness among students “Marathon 5K” on world Road safety week on 02-01-201 by State Minister of Transport, Management members ,Faculty and all students of the college.



- **“Annual Alumni meet”** was organized on 19th Dec, 2015.



9. Student Achievements

- (i) OU Ranks
 1. Bongiri Akhila - II Rank
 2. Nathala Pooja Reddy - IV Rank
- (ii) Class Toppers

II ECE - Chandra Pallavi

III ECE- Bongiri Akhila

IV ECE- K. Saishma

(iii) Gate/ GRE/ CAT Ranks

S.No	Name of the Student	GATE RANK
1	T. Vamshi Krishna	3948
2	Rondla Karthik	5507
3	G.Adarsh	5620
4	A.Tharun Kumar Reddy	6678
5	K. Hemanth Kumar	7736

S.No	Name of the Student	GRE SCORE
1	V.V.M.Manaswini	301
2	D.Chakradhar	302
3	A.Sreeja	306
4	Shripurapu Ravi	314
5	A.Supriya	316
6	V.Santosh	311
7	K. Sai Sham	303
8	P.Sri Sai Akhil	305

(iv) Students achievements in technical events

S. No	Name of the student	Conf/ Fest organized by institutes	Event	Place	Date	Awards/ Prizes
1	K. Juber Basha	2-day workshop on Autonomous Robotics	National Level Champion Ship UTKRAANTI,16	IIT, BOMBAY JNTU, Hyderabad	Nov 2015	1 st
2	Asad Ali 2 nd Year -046	TECHNOZION -15	Hover Manio	NIT, Warangal	Nov 2015	1 st
3	K. Prudhvi Raj	TECHNOZION -15	Hover Manio	NIT, Warangal	Nov 2015	1 st
4	Asil Vineeth Chandana	TECHNOZION -15	Hover Manio	NIT, Warangal	Nov 2015	1 st
5	Likhitha M	TECHNOZION -15	Armrover	NIT, Warangal	Nov 2015	3 rd
6	Ch.Samrat Kautilya	TECHNOZION -15	Hover Mania	NIT, Warangal	Nov 2015	1 st

7	A.Sahithi	KSHITIJ'16	MICROMOUSE	IIT,- Kharagpur	25-26 Sep'15	1 st
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10. Placement Record

Year	No. of Companies Visited	No. Of Students Selected	Salary Per annum	
			IT	Core
2014-15	35	76	Rs 5.35 Lakhs (Deloit)	Rs 3.5 Lakhs (Hyundai)

11. Faculty Updates

1. Smt. K. Usha has completed her Ph.D. degree from JNTU Hyderabad.
2. Dr.V.Chandra Sekhar, Head ECE has been appointed as Principal of our college.