REFLECTIONS
ECE News Letter
MVSR ENGINEERING COLLEGE
(Sponsored by Matrusri Education Society – ESTD: 1980)

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1. COMMITTEE

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Editor – Dr. V. Chandra Sekhar

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Faculty –   Smt. B. Sarala, Associate Professor
            Smt. E.V. Naga Lakshmi, Assistant Professor

Students – P. Uttej Reddy, ECE 4/4
            M. Ajay Kumar, ECE 4/4
            L. Sree Lekha , ECE 4/4

2. Department Highlights

- A Two- day **National Conference on Emerging Trends in Electronics & Communications (NCETEC-2K14)** was held on 21st & 22nd Feb,2014
- **"National Network Security Championship NNSC-201**4" was organized on 31st Jan & 1st Feb,2014
- Total 80% of students placed in different companies through campus recruitment
- Sri N Srinivas has been awarded Doctorate from NIT, Durgapur.

3. INSIDE THIS ISSUE

- Journal/Conference papers by Faculty
- Events Organized by the Department
- Department Updates
- Student Achievement

4. Editors Desk

I take this opportunity to thank the Editorial Committee for their efforts in bringing out this edition of Department Newsletter. I am happy that the Department has successfully completed the Consultancy project "optimization of composite structure" in association with MED. The Department is progressing smoothly in all aspects. Several students from the Department have got good scores in GATE & GRE exams. The Department has successfully organized it's first National Conference on "Emerging Trends in Electronics & communication (NCETEC-2k14). The Department has also organized Technical Symposium 'SAMAVARTHAN 2k14'. We have also organized the cultural events like Bathukamma festival with eve. All these activities have been possible with the enthusiastic support & efforts of all Faculty & staff of the Department.

With Best Compliments & Wishes

Dr. V. Chandra Sekhar
Head of ECE Dept.

5. Journal papers published by the Faculty

S.No.	Name of the Staff	Title of the Paper	Name of Journal	Month & Year
1	KVBL Deepthi	A practical frame work for the performance evaluation of classical frequency planning schemes in OFDM based on Markov's model	IJERA	January-2014
2	KVBL Deepthi	A numerically efficient power optimization scheme for coded OFDM systems in achieving minimum frame error rate.	IJSRP	January-2014
3	S. Aruna	Multiplier less Design of Low Complexity FIR filter : Algorithms, CAD tools	International Journal of Advanced Research in Electronics and Communication Engineering	July,2014
4	S. Aruna	A High resolution Low Offset Voltage Gain Stability Comparator	Progress in Science and Engineering Research Journal	July,2014
6	B. Sarala	Design and implementation of Symmetric Cryptographic Algorithm using 5x5 square matrix with Single Point Crossover	International Journal of Advanced Research in Electronics and Communication Engineering	July,2014

7	B. Sarala	Implementation of FIR filter using novel modulo adder for residue $2^n - 2^K-1$ number system	International Organization of Scientific Research Community of Researcher	July-Aug, 2014
8	S.Aruna	Implementation of Digital Serial FIR filter using wireless priority service (WPS).	International Journal of Advanced Research in Electronics and Communication Engineering	August, 2014
9	B. Srinivas	Design and implementation of sub microns level 10T full adder in ALU using cell based and SOC technology	International journals of Engineering research and applications	Sep.,2014
10	E.V.Naga Lakshmi	Implementation of Time Efficient Architecture for Compressive Sensing Algorithm	International Journal of Multidisciplinary Education Research	Sep,2014
11	B.Bhavani	Embedded Memory Test and Repair	International Journal of Multi disciplinary Educational Research	Oct,2014
12	K.Usha	Performance analysis of new binary user codes for DSCDMA communication	Journal of Institution of Engineers (JIE) series- B	Dec.,2014

6. Conference Papers Presented by the Faculty

S.No.	Name of the Faculty	Paper Title	Venue
1	B. Sarala	Discrete transforms based MC-CDMA PAPR reduction using MECCT and BER performance analysis over mobile radio channel accepted	5th International conference ITC,2014
2	N. Namsssivaya	General purpose format analyzer with data generator	International conference on Photonics VLSI & Signal processing CICPVS'14)
3	B. Srinivas	Discrete transformed based MC-CDMA PAPR reduction using MECCT& bit error rate performance analysis	International Conference on resent trends in Information Technologies. ACEEE
4	G. Mahendar Srinivas Nallagonda	Combined Censoring and Weighted Fusion Based Spectrum Sensing with Improved Energy Detector	International Conference on Computer and Communication Technologies (ICCCT)
5	Dr. V. Chandra Sekhar	A Novel Binary Image Compression Technique for Faxsimile transmission with Modified Huffman Code f or CCITT Group	3rd International Conference on Signal & Speech Processing,2014

6	T.Kavitha	A Novel Binary Image Compression Technique for Facsimile Transmission with Modified Huffman Codes for CCITT Group 3	International Conference on Signal and Speech Processing (ICSSP-14) (7-12)
7	Dr.G.Kanaka Durga	Reduced Area low Power Square Root Carry Select Adder"	International Conference on Engineering Computing and Technologies (ICECT-2014)
8	N. Namsssivaya	GNSS positioning for UAV applications	Two day All India seminar on Recent Developments in Electronics and Communication Engineering
9	B. Sarala	M6ulticarrier Code Division Multiple Access Bit Error Rate Performance Over Rayleigh Fading Channel	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
10	B. Sarala	Performance Analysis of Wavelet Based Multi carrier Modulation Over Stanford University Interim(SUI) Channel	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
11	Dr.G.Kanaka Durga	Area Efficient Carry Select Adder with Modified Logic Blocks	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
12	Dr.G.Kanaka Durga	Design and implementation of a signal conditioning circuit for MEMS sensor	National Conference on Emerging Trends in Electronics and communications – NCETEC-2014
13	Dr.G.Kanaka Durga	Microcode Memory Built in Self Repair for Embedded Memory	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
14	K.Usha	Quick Response Codes	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
15	B. Srinivas	Performance Analysis of Wavelet Based Multi carrier Modulation Over Stanford University Interim(SUI) Channel	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
16	DVSR.Sesidhar	Design of a Wearable Sensor Node for Assistance and Monitoring of Quadriplegic Patients	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
17	E.V.Naga Lakshmi	Monochrome Image Histogrammer for Object Tracking	National Conference on Emerging Trends in Electronics and communications NCETEC-2014

18	KVBL Deepthi	A Review on the SD Data Storage by Ultrafast Laser Nano-structuring in Glass	National Conference on Emerging Trends in Electronics and communications NCETEC-2014
19	N. Namassivaya	Digital Radio Broadcasting Techniques- A road map	Advances in Digital Broadcasting

7. Events Organized by the Department

Guest Lectures and Seminars

1. Guest Lecture "Cyber Security Challenges" on 16-08-2014 by Mr.K.Gnaneshwara Rao, Eng Grade I, EMRC,OU, Hyderabad for BE ¾ and 4/4 students.
2. Seminar on "Membership in Professional bodies" on 03-09-2014 by Mr.N.Namassivaya, Accos. Prof, MVSREC for all ECE students.
3. Seminar on "Global Navigation Satellite Systems" on 22-01-2014 by Mr.N.Namassivaya, Accos. Prof, MVSREC for all ECE students
4. Workshop on Effective teaching skills on 18-10-2014 by IIT Madras/OU for Faculty of the Department.
5.

1) A Two- day **National Conference on "Emerging Trends in Electronics & Communications (NCETEC-2K14)"**
   Department organized a First National Level Conference NCETEC 2K14 on 21st & 22nd Feb,2014.

2) Parent Teacher Meeting

The Department has organized Parent Teacher meeting twice in a year i.e. 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 teacher and parents come together to enrich the

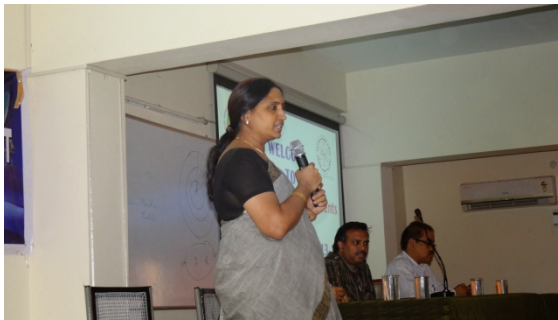student's educational experiences and discuss variety of issues, regarding all round development of students.

3) **"National Network Security Championship NNSC-201**4" was organized on 31st Jan & 1st Feb,2014

8. Department Updates

- A National Level Students technical Fest "**SAMAVARTHAN-2K14**" was organized on 13th & 14th Mar,2014

- **Batukamma** festival was organized on 27th Sept.2014.

- Guest lecture on " **Technical Education Relevant to present needs of India** 11th Nov,2014 on the occation of Birthday of Dr. Moulana Abdul Kalam Azad.

- Guest lecture on " **Wireless Technologies and Simulation Tools** was held on 25th Nov,2014.

- **Annual Alumni** meeting was organized on 20th Dec,2014.

- A Guest Lecture "Cyber Security Challenges" on 16-08-2014 by Mr.K.Gnaneshwara Rao, Eng Grade I, EMRC,OU, Hyderabad for BE ¾ and 4/4 students.

- A Seminar "Membership in Professional bodies" on 03-09-2014 by Mr.N.Namassivaya, Accos. Prof, MVSREC for all ECE students.

- A Seminar on "Global Navigation Satellite Systems" on 22-01-2014 by Mr.N.Namassivaya, Accos. Prof, MVSREC for all ECE students

- A Workshop on "**Effective teaching skills**" on 18-10-2014 by IIT Madras/OU for Faculty of the Department.

- Guest Lecture "NAANO technology, Role of electronics in analytical instrumentation" on 25-09-2014 by IETE for all ECE students.

9. Student Achievements

(i)   OU Toppers
       II ECE: Bonagiri Akhila
       III ECE: G. Snehanjali
       IV ECE: T. Ramya sai

(ii)   Gate Rankers

S.No	Name of the Student	GATE RANK
1	J. Sireesha	533
2	Gande Vinay Kumar	584
3	R. Parthavy	734
4	KHSR Geethika	801

GRE Rankers

S.No	Name of the Student	GRE SCORE

1	K.P. Ravali	325	
2	B. Praneeth Reddy	312	
3	K.Priyanka	309	
4	K.Praneeth Reddy	308	
5	KHSR Geethika	308	

iii)   Paper presentations by students

S. N o	Name of the student	Conf/ Fest organized by institutes	Event	Place	Date	Awards/ Prizes
1	S.Kushal	FUSHION2K14	Tech-xting	MVSREC, CSE Dept,Hyd	18th Oct 2014	2nd
2	M.Sai Krishna	TECHNOZION'14	NRC Mobile control robot	NIT Warangal	Nov 2014	1st

10. ECE Association (AECES) Details

Executive Committee:

Chairman: Sri N. Namasivvaya

Faculty Advisor: Avinash Dasi,

Students Executive Committee: S. Uday Kumar, A. Lakshmi, A. Sai Charan, S. Ravi Kumar, N. Amulya, B. Akhila, S. Ramya, B. Vinod Kumar, B. Bharani Kumar, D. Kalyani, S. Rishika, P. Sai Abhishek, T. Nishanth, K. Sushmitha, T. Afroz Sahana, P. Gowtham, K. Srikar Reddy

Events Organized

1. Story Writing was held on 29.01.2014
2. Essay Writing was organized on 29.01.2014
3. Singing was held on 05.02.2017
4. Elocution was organized on 21.02.2014
5. Technical Quiz was organized on 05.03.2014
6. Extempore was organized on 17.07.2014
7. Hyderabadi Quiz was held on 21.07.2014
8. Brain Challenge was organized on 07.08.2014
9. Got to Answer was held on 14.08.2014
10. Expressive Hub was organized on 11.09.2014

11. Placement Record

No. of Companies Visited	No. Of Students Selected	Avg. Salary Per annum
22	127	Rs. 3.60 Lakhs

12. Faculty Updates

1. S. Sreehari has joined the college on 14/07/2014

2. Smitasree Mohapatra has joined the college on 14/07/2014

3. M.Vijaya Krishna has joined the college on 17/07/2014

4. Mahendar Gajula has joined the college on 22/07/2014

13. Group Photos of Outgoing Students