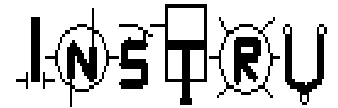




MAPAN

THE MEASURE OF PROGRESS



MKSSS's
CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

PUBLISHED BY
DEPARTMENT OF INSTRUMENTATION AND CONTROL

Editor's Column

I had just completed 7 years as MAPAN's editor. Time flies when you're working at one of the best department of our college, and in a company full of brilliant people who care so much about what we do every day. The results show the superiority of our students in technical knowledge as well as in extracurricular activities. The quality publications by faculty members and students reflect the pre-eminency in research and development of instrumentation engineering. Also, the students are working for social and rural cause. This year, the project on drinking water disinfection in rural area won the prestigious Forbes Marshal award. TE student Ms. Kalyani Natu has been selected as the best volunteer in National Social Service. Let me thank to one and all for being part of department' success.

Jayanand P. Gawande
Editor

HOD's Column

Dear Students,
Congratulations to our department for getting NBA accreditation for 3 years. The department scored maximum marks 712/1000. Also I would like to congratulate the rank holders of the department. I feel very proud that 21 rank holders out of 30 of the university are from our department. PG students presented no. of papers in national and international conferences.

We love to face challenges. This time our college is going for NAAC accreditation and I am bit sure that we will get accreditation from NAAC. For this academic year, make some resolutions and try to improve your performance, not only in academics but also in extracurricular and co-curricular activities. All the best!

Dr. Ashok D. Gaikwad
Head of Department



FACULTY NEWS



अशोक गायकवाड

अशोक दिगंबर गायकवाड यांना नदिड येथील 'स्वामी रामानंदतीर्थ मराठवाडा विद्यापीठा'ची पीएच. डी. मिळाली आहे. त्यांनी उपकरणीकरण अभियांत्रिकी

विषयात 'फायबरऑप्टिक रासायनिक उपकरणांचा विकास' यावर शोधनिबंध सादर केला. त्यांना डॉ. आर. एच. चिले यांनी मार्गदर्शन केले.

Prof. Ashok D. Gaikwad was awarded with PhD degree of SRTM University, Nanded under the guidance of Dr. R. H. Chile of SGGS Institute of Engg. & Tech. Nanded.

Prof. V. D. Hajare and Prof. Ashok D. Gaikwad conducted five days training program on 'SmartPlant Instrumentation' for engineers of Emerson Engineering Export Center, Pune.

Prof. Y. G. Adhav and Prof. Ashok D. Gaikwad delivered progress report of Cummins MEMS R & D Centre Pune at IISC Bangalore on 27-28 May 2013 in NMDC review meeting.

Prof. J. P. Gawande presented a paper entitled 'Fetal ECG Extraction using Wavelet transform' at International Conference on Future Information Technology (ICFIT-2013) at Mumbai on 21st April '13.

Prof. Mrs. Swati Madhe attended IETE Approved National Level One Week STTP on "WAVELETS" organized by Department of Electronics & Telecommunication Engineering SIT Narhe in Dec 2012.

Prof. Ashok D. Gaikwad and Prof. J. P. Gawande attended the Honeywell Nobel Laureate Lecture on 'Quantum Mechanics' by Prof. David Gross, Physics Nobel Laureate, hosted by College of Engineering Pune on 10th April 2013.

Prof. Mrs. Dipali Ramdasi and Prof. Mrs. Vaishali Upadhye attended two weeks ISTE WORKSHOP on Introduction to Research Methodologies conducted by IIT Bombay in July 2012.

Prof. A.K. Joshi and Prof. J. P. Gawande organized an industrial visit of BE students to Veer

Hydroelectric Power Plant, Veer and Sudarshan Chemicals, Mahad on 31st August 2012 and 23rd January 2013 respectively.

Prof. Y. G. Adhav organized a visit of BE students to MEMS Fabrication Laboratory at University of Pune.

Prof. A.K. Joshi and Prof. Y. G. Adhav organized an industrial visit of TE students to Phaltan Sugar Works at Sakharwadi, Phaltan on

UNIVERSITY RANKERS

The staff and students of the department would like to congratulate the following students for their performance in May-June 2012 University Examination:

S.E.

1 st Rank	Ms. Radhika Saraf
2 nd Rank	Ms. Krishnali Penta
3 rd Rank	Ms. Kamini Ramesh
5 th Rank	Ms. Sayali Bhagvat
7 th Rank	Ms. Disha Waghela
8 th Rank	Ms. Apoorva Kelkar
9 th Rank	Ms. Ekta Ghonge

T.E.

1 st Rank	Ms. Shraddha Bhawalkar
2 nd Rank	Ms. Pooja Deshmukh
3 rd Rank	Ms. Saie Saraf
4 th Rank	Ms. Rashmi Agarwal
6 th Rank	Ms. Mugdha Marudgan
7 th Rank	Ms. Akshika Kacharoo
8 th Rank	Ms. Rujuta Mehetre
9 th Rank	Ms. Bhagyashree Bhosale
10 th Rank	Ms. Tejashree Sabale

B.E.

1 st Rank	Ms. Ridhima Pathak
2 nd Rank	Ms. Aditi Bhalerao
4 th Rank	Ms. Snehal More
5 th Rank	Ms. Divya Kadam
6 th Rank	Ms. Nishita Sant
7 th Rank	Ms. Devika Oak
8 th Rank	Ms. Sweety Agrawal
8 th Rank	Ms. Shalini Murali
9 th Rank	Ms. Ankita Kulkarni
10 th Rank	Ms. Divya Vasudev

STUDENT NEWS

Best Outgoing student

Ms. Vidisha Acharya was awarded as best outgoing student of the department for her all round performance during the year 2012-13.

Extracurricular Competitions

Our T.E. Students Ms. Sonam Tilekar, Ms. Aditi Shinde, Ms. Sayali Doshi, Ms. Siddhi Medhi won the first prize in IET Mini Project Competition organized by IET and CCOEW.

Ms. Disha Waghela and Ms. Krishnali Penta have won first prize in Paper Presentation Competition in Innovation 2K13. The paper title 'Nanopiezotronics to harvest biomechanical energy.'

Ms. Rashmi Sarode, Ms. Kalyani Natu, Ms. Asmita Sangle have won 2nd prize in Tech-Evangelist in theme project event at Innovation 2k13.

T.E. students Ms. Disha Waghela, Ms. Aishwarya Chaporkar, Ms. Krishnali Penta, Ms. Ruddhi Kadam, Ms. Aanchal Agarwal, Ms. Rucha Bodas, Ms. Hope Pereira participated in Techfest 2013 and secured 12th position in Techfest Green Campus Challenge organized by Techfest 2012-13, IIT Bombay.

Ms. Devashri Khadke have grabbed Gold Medal for swimming Competition in Zest National level and also in Pentacle state level Competition.

Ms. Ruchra Shinde won 3rd prize in Chess tournament at Damini 2013.

Ms. Ruddhi Kadam and Ms. Sanskriti Shankara played in Various Basket Ball competitions like Zest, Pentacle, Damini, Inter-collegiate tournament and won the trophies.

Our T.E. students Ms. Ruddhi Kadam, Ms. Aanchal Agrawal, Ms. Nupur Mahajan, Ms. Akshika Kachroo participated in NEF Enduro competition.

Ms. Kalyani Darade won 2nd prize in SAP Charita Cup Contest.

Heartiest Congratulations to all of them!

Paper/Project Presentations

Ms. Sayali Pol presented a paper titled 'Design of Micro-Ice Detection Sensor for Aerospace Application' at the International Conference on Metallurgical Manufacturing and Mechanical Engineering (ICMMME-2013) held Nagpur 2013. Ms. Kamini Ramesh, Ms. Madhushree Ayala have won 2nd prize in Paper Presentation Competition in Innovation 2K13. The paper title 'Artificial Intelligence Domain'

Ms. Rajashree Pinputkar has been awarded with Young Investigator Award for the paper titled 'MIR Segmentation of Brain Tissue using improved Fuzzy C-means clustering' in International Conference on Electronics and Communication (ICECE) at Pune in July 2012.

Ms. Rashmi Deshpande has been awarded with Interscience Scholastic Award for the paper titled 'Extracting HRV data from ECG' in International Conference on Electrical Engineering and Computer Science (ICEECs) at Goa.

Ms. Prachi Mantri presented a paper in National Conference on Electrical Engineering and Computer Science held at Goa in 2012.

Our M. E. Students Ms. Shalaka Abhyankar, Ms. Kirti Raje, Ms. Akshata Ghugare presented papers in National Conference on Advances in Electronics and Communication Engineering held at Pune organized by Symbiosis Institute of Technology, Pune.



Shivshahir Babasaheb Purandare presenting the BEST NSS VOLUNTEER award to Ms. Kalyani Natu.

Mrs. Aarti Yerolkar presented the paper titled 'Detection of Diabetic Retinopathy from Fundus Images using Digital Image Processing' at National Symposium on Instrumentation (NSI - 37) at Chandigarh in Nov.2012.

Ms. Kirti Kale, Ms. Aarti Yerolkar, Ms. Pragati M. E. Students presented papers in 2nd International Conference on 'Recent trends in Engineering & Technology' (ICRTET'2013), at Chandwad.

Ms. Dhanashree Desai presented paper in National Conference on 'Emerging Trends in Engineering and Technology-2013' at PVPIT, Budhgaon in Feb.2013.

Ms. Supriya Arote presented paper in 2nd International Conference on 'Emerging Trends in Engineering' held at Dr.J.J.Magdum college of Engineering, Kolhapur on Feb.2013 and published in IOSR journal of Electronics and Telecommunication Engineering.

Ms. Supriya Arote presented paper in National Level Conference on 'Biotechnology Advances' held on March 2012 at SSBT's COET, Jalgaon.

Ms. Prachi Mantri presented a paper in International Conference on Current Trends and Challenges in Management, Engineering, Computer Application and Technology.

Ms. Shalaka Abhyankar's paper titled 'Orthopentogram Based Osteoporosis Prediction' published in International Journal of Engineering Research and Applications, Vol.2 Issue 6, Nov-Dec-2012.

Ms. Kirti Kale presented paper in 12th International Conference on Hybrid Intelligent Systems held at MIT Pune in Dec.2012

Mrs. Smitha Pinto has presented paper in Asian Himalayas International Conference on Internet (AH-ICI2012) at Kathmandu in Nov.2012



T.E. students during Industrial Visit at Phaltan

FORBES MARSHALL AWARD

For the past sixteen years, Forbes Marshall is appreciating the untiring efforts of the final year students by awarding a prize to the most outstanding final year project. This year this prestigious award was bagged by Ms. Nitisha Sant, Ms. Ridhima Pathak and Ms Romilla William Joshi for the project titled 'Solar powered ozone generation for water disinfection' under the guidance of Prof. J. P. Gawande.

CAMPUS PLACEMENTS 2012-13

The following students of the Instrumentation and Control dept. have been placed in the academic year 2012-13:

CUMMINS INDIA LTD.: SARAF SAIE MANGESH, MHETRE RUTUJA MANIK, BHOSALE BHAGYASHRI NANDKUMAR, AKSHIKA KACHROO, PINGALE TEJASHREE HEMANT, SHIURKAR SNEHA VINOD, SNEHA VINOD SHIURKAR, GUPTA RUCHI PRAKASH, JADHAV NAMRATA SUBHASH, BHAT ANKITA DATTAPRASAD, NIMBALKAR SURABHI RAJENDRA, POL SAYALI MUKUND, RAKIBE MANASI UDAY

HOEYWELL: TARDE VINITA VIJAY, KSHIRSAGAR SWARADA ANIRUDDHA, KANDAGALE POOJA LAXMAN, SABALE TEJASHRI VASANT, PARANJAPE SHARVARI UDAY

ATOS ORIGIN: GHOLAP POOJA VIJINATH, GOKHALE PARNAL AJIT, AGRAWAL SANJOLI SANJAY

CAPGEMINI: ACHLARE BHANUPRIYA PRAKASHRAO, GOSAVI PRIYANKA RAJENDRAKUMAR

EATON: RASHMI AGARWAL, PRACHI MADHAV KAPDI

THERMAX: POOJA RAVINDRAKUMAR DESHMUKH, SAHANI AISHWARYA ASHOK

SYNECHRON: ACHARYA VIDISHA MADHUKAR

DELOITTEE: RATHOD RASHMI DINESH

KPIT CUMMINS: TAKALE ASHWINI SURESH

ALFA LAVAL: KULKARNI ISHA PRAKASH

EMERSON: KUBER POORVA ANAND

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