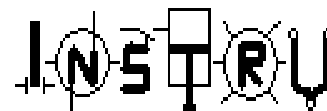




MKSSS's  
CUMMINSCOLLEGE OF ENGINEERING FOR WOMEN

# MAPAN

THE MEASURE OF PROGRESS



PUBLISHED BY  
DEPARTMENT OF INSTRUMENTATION AND CONTROL

## Vision of Department

*To develop the department as a center of excellence in Instrumentation and Control Engineering.*

## Mission of Department

1. *To develop students with strong foundation of Instrumentation and Control Engineering.*
2. *To develop logical thinking ability, analytical skills, soft skills and create awareness about professional ethics.*
3. *To provide conducive environment to the students for higher studies and research.*

### Editor's Column

It gives me immense pleasure to publish the 11<sup>th</sup> issue of *MAPAN-the measure of progress*. This year the student editors have taken lot of efforts to prepare the newsletter. I will like to thank everyone who contributes to this issue. In the present issue, we publish the vision and mission statements of our department. The program educational objectives (PEOs) and program specific outcomes (PSOs) are also presented. This year our college is celebrating Silver Jubilee Year. So, I expect the next issue will be full of technical as well as extra-curricular activities. Best luck!

**Jayanand P. Gawande**

Editor

### HOD's Column

I congratulate you all on the occasion of the silver jubilee year of the college and our department. This is the eleventh issue of *MAPAN*. This is a great platform on which the current affairs of our department students and the faculty are highlighted. Our students excel in the academic results and are equally active on the co-curricular and extra-curricular front. Many guest lectures were organized for the students under which eminent speakers from academia and industry were invited. I am hopeful that the achievements of the department will keep on inspiring the students to excel in their lives, to have a vision in life and the determination to achieve it. I extend my best wishes to all for the future endeavours.

**Dr. Mrs. AnaghaPanditrao**

Head of Department

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To develop competent graduates ready to work in core domain such as Process Control, Automation and Health care.
2. To develop ability, to think laterally and solve problems related to Instrumentation and Control Engineering considering safety, social and environmental factors.
3. To develop self-learning ability and build confidence in students to pursue higher education and successful careers at national and international level.
4. To develop students with professional ethics, effective communication skills, team spirit and social awareness.

## PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Apply fundamental knowledge of Measurement and Control to identify, formulate and design solution for complex engineering problems.
2. Capable of developing a complete system in various domains like Process Control, Environmental Sciences, Biomedical and work successfully as an individual or as a part of team on multidisciplinary projects.
3. Able to understand professional and ethical responsibility with effective communication skills and life-long learning.
4. Able to pursue career in research, industry, higher studies and adapt to changing technology.

## FACULTY NEWS

Prof. Swati Madhe visited IIT Bombay for a ISTE workshop on Computer Programming.

Prof. Revati Shriram, Prof. Vaishali Upadhye, Prof. Nivedita Daimiwal, Prof. R. P. Borse, Prof. V. D. Hajare, and Prof. Y. G. Adhav, attended a National Workshop on Control System conducted by IIT Kharagpur.

Prof. J. P. Gawande and Prof. Swati Madhe attended a MHRD TEQIP Workshop on 'Applications of Wavelets, Time-Frequency Methods, and Multirate Systems' at IIT Bombay.

Prof. Dipali Ramdasi presented a paper on "A comparative study of the dc and ac model for thin film sensors for the detection of gases" at 9<sup>th</sup> International Conference on Intelligent Systems and Control, Coimbatore.

Prof. Asmita Wakankar presented a paper on "Study of Infrared Thermography as a Diagnostic Tool for Breast Cancer Detection" at an International Conference.

Prof. Nivedita Daimiwal presented a paper 'Application of Photo-plethysmography in blood flow Measurement' at Govt. College of Engineering Pune.

Dr. Anagha Panditrao organized a College Level talk by Prof. Murray from Newcastle University.

Prof. V. D. Hajare conducted a workshop on LATEX for M.E. students at our college.

Prof. R. P. Borse presented a paper on 'Tuning of Fuzzy Controller using set point' at International Conference on Pervasive Computing held at Sinhgad College of Engineering, Pune.

Prof. H. T. Patil, Prof. Y. G. Adhav, Prof. V. D. Hajare, Prof. J. P. Gawande and Prof. Dipali Ramdasi were session coordinators for the

International Conference on Industrial Instrumentation and Control (ICIC2015) during 28-30 May 2015 held at Govt. College of Engineering Pune. Dr. Anagha Panditrao was session judge for this conference.

Prof. A. K. Joshi, Prof. J. P. Gawande, Prof. R. P. Borse and Prof. Y. G. Adhav organized industrial visits for T.E. and B.E. students at Hydroelectric Power Plant and Sugar Factory Phaltan.

## UNIVERSITY RANKERS

The staff and students of the department would like to congratulate the following students for their performance in May-June 2014 University Examination:

### S. E.

1 <sup>st</sup> rank	Ms. M S Anushree
3 <sup>rd</sup> rank	Ms. Shruti Zapadekar
4 <sup>th</sup> rank	Ms. Rutuja Chaturbhuj
5 <sup>th</sup> rank	Ms. Uma Salvi
6 <sup>th</sup> rank	Ms. Maitreyee Patwardhan
7 <sup>th</sup> rank	Ms. Sayali Joshi
8 <sup>th</sup> rank	Ms. Ankita Gokhale
9 <sup>th</sup> rank	Ms. Probhodhini Bhumkar

### T. E

1 <sup>st</sup> rank	Ms. Kamakshi Raina
1 <sup>st</sup> rank	Ms. Aditi Katalge
3 <sup>rd</sup> rank	Ms. Neelima Kumari
4 <sup>th</sup> rank	Ms. Kruti Patel
5 <sup>th</sup> rank	Ms. Smrity Jamuar
7 <sup>th</sup> rank	Ms. Snehal Amarale
9 <sup>th</sup> rank	Ms. Megha Kulkarni
10 <sup>th</sup> rank	Ms. Deepika Vaidhya

### B.E

1 <sup>st</sup> rank	Ms. Radhika Saraf
2 <sup>nd</sup> rank	Ms. Ankita Chandrachud
5 <sup>th</sup> rank	Ms. Sayali Bhagawat
6 <sup>th</sup> rank	Ms. Mrunal Mane
7 <sup>th</sup> rank	Ms. Kamini Ramesh

## STUDENT NEWS

Ms. Kruti Patel was awarded with 'Best Out-Going' student of our department for the academic year 2014-15.

Ms. Kruti Patel (B.E.) and Ms. Anushree (T.E.) are awarded as Winner of Pratibha 2014-15 – the Eaton Excellence Award.

Ms. Kruti Patel and Ms. Shruti Kharwandikar has won National Level Project Competition "SPARKLE'15" organized by KPIT Cummins. The title of the project is "Active Tracking of hand position on handlebars of Two-wheelers."

Ms. Ashwini Jadhav and Ms. Rucha Deshmukh won First Prize at the paper presentation competition on Haptic Technology organized by MIT, Pune.

Ms. Priyanka Shinde, Ms. Gayatri Dhokane, Ms. Megha Kulkarni and Ms. ReeyaDhondage won second prize at the Architect Project Competition held at D.Y Patil Institute of Tech, Pimpri.

Ms. Yashna Meher and Arundhati Bhide won second prize in "Technical Quiz Competition" organized by our college.

Ms. Vishakha Mohite, Ms. Deepika Vaidya and Ms. Apoorva Sharma won first prize at a State Level Project Competition held by ISA.



**Best project winning team with Forbes Marshall and ISA authorities**



## CAMPUS PLACEMENTS 2014-15

The following students of the Instrumentation and Control department have been placed during academic year 2014-15:

**KPIT :** Ms. NEELIMA KUMARI, Ms. SAYALI TALVALKAR, Ms. PRIYANKA SHINDE, Ms. CHAITRALI JOSHI.

**PRINCIPAL FINANCIAL:** Ms. KAMAKSHI RAINA.

**EATON:** Ms. SHRUTI KARWANDIKAR, Ms. APURVA VAIDYA, Ms. PALLAVI KULKARNI.

**ATLAS COPCO:** Ms. DEEPIKA VAIDYA.

**TCS:** Ms. TARUNIMA MANDAL, Ms. GAURI ATHAVLE, Ms. VAISHAKHI RAY, Ms. APOORVA SHARMA.

**HSBC:** Ms. NEERAJA BALCHANDRA, Ms. RUCHA KULKARNI.

**FLOUR DANIEL:** Ms. KRUTI PATEL, Ms. SAYALI MAITRE.

**THERMAX:** Ms. ADITI REDIJ.

**HONEYWELL:** Ms. SMRITY JAMUAR, Ms. MEGHA KULKARNI, Ms. GRISHMITA DESHPANDE, Ms. GAYATRI DHOKANE, Ms. VISHAKHA MOHITE.

**EMERSON:** Ms. ADITI KATALGE, Ms. MEDHINIKRISHNA SASE, Ms. NISHA KUMARI.

## FORBES MARSHALL AWARD

Forbes Marshall Best Project Award for the academic year 2014-15 has been awarded to Ms. Vishakha Mohite, Ms. Deepika Vaidya and Ms. Apoorva Sharma for their project on "Customized Automation of Chiller Plant" under the guidance of Prof. Pratima Kulkarni. Hearty Congratulations to winning team!



**Celebrating Silver Jubilee Year 2015-16**



**Team Instru in Gandhar 2015**

### Student Editors:

1. Ms. Mrudula Ozarkar (SE)
2. Ms. Arundhati Bhide (TE)

Please feel free to give your feedback on [jayanand.gawande@cumminscollege.in](mailto:jayanand.gawande@cumminscollege.in)

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