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Cummins College of Engineering for Women

An autonomous Institute affiliated to
Savitribai Phule Pune University

cumminscollege.org

Faculty Advisor: Dr. Revati Shriram

Student Editors: Ms. Likhita Poolla

Ms. Achal Panda

Institute Vision and Mission:

Vision

To be globally renowned institute for imparting quality education and to develop women leaders in engineering and technology.

Mission

To develop women professionals who are academically and technically competent with strong professional ethics.

Department Vision and Mission:

Vision

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

Mission

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

Project Awards

FORBES MARSHALL AWARD

Like every year, Forbes Marshall Award Ceremony was conducted this year on 28th August 2018. The award was bagged by **Ms. Pooja Misar, Ms. Akshada Valnitkar** and **Ms. Vaibhavee Vaidya** under the guidance of **Prof. A. K. Joshi**. The title of their project was **“Automation of Forced Convection Heat Transfer Apparatus.”** Hearty Congratulations to the winning team!



PATHIRAKHA AWARD

This year Pathirakha Foundation organized a project competition for UG and PG projects in the field Biomedical on 26th July 2018. The winner of the competition were **Ms. Rashmi Atre, Ms. Anchal Guleria, Ms. Radhika Nibandhe** and **Ms. Akshada Shinde** they worked under the guidance of **Dr. Revati Shriram**. The project is titled - **“Facial Features and Skin Impedance based Prediction of Parkinson's Disease”**. Hearty Congratulations to the winning team!



Welcome to New Academic Year...

Special points of interest:

- Picture Tour of last Academic Year..
- Faculty and Student Participation
- Student Achievements
- Granted Patent
- Faculty Achievements
- Forbes Marshall Project Award
- Pathirakha Project Award

Every year Instrumentation and Control department brings out its own newsletter which is named as MAPAN. It is a pleasure to introduce the fourteen edition of MAPAN— Instrumentation and Control department magazine. This year was full of activities and academic excellences paving a way for brighter future of the department. Many events, workshops and seminars were conducted successfully. The students participated in various events highlighting the achievements of our department. Thus, let us have a glance of the year in our department.



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From HoD's desk ...

It's my pleasure to contribute for fourteenth issue of MAPAN, a newsletter of our department. Following the trend of the past years, this year also many activities were carried out by our department. Various guest lectures and workshops giving hands on exposure on latest technical topics

were conducted for UG and PG students. Following the recent technological trends, students and faculty members have successfully completed the online courses in IoT and related areas. Majority of the students worked as summer interns in the industries. I applaud all of them. I am hopeful

that the achievements of the department will keep on inspiring the students to have a vision in life and the determination to achieve it. I extend my best wishes to all for the future endeavours.

Dr. Anagha Panditrao

Trends in Instrumentation & Control



SAPIAN HEART VALVE

A Valve Job with Heart

The Sapien transcatheter aortic valve is a life-saving alternative to open-heart surgery for patients who need new a new valve but can't endure the rigors of the operation. Manufactured by **Edwards Life Sciences** (Irvine, CA), the **Sapien** has been available in Europe for some

time but is only now finding its first use in U.S. heart centers—where it is limited only to the frailest patients thus far. The Sapien valve is guided through the femoral artery by catheter from a small incision near the groin or rib cage. The valve material is made of bovine tissue attached to a stain-

less-steel stent, which is expanded by inflating a small balloon when correctly placed in the valve space. A simpler procedure that promises dramatically shorter hospitalizations is bound to have a positive effect on the cost of care.

Workshop, Seminar & Conferences

A workshop was conducted on “Self Development Tool” by Sucheta Chitale Kulkarni from Cummins Technical Centre, India. Mr. Kamlesh Pande conducted a two days workshop on “Product Development”. Dr. V. D. Hajare, Dr. Swati Madhe, Dr. Vaishali Upadhye

conducted a workshop on “Effective Technical Report Writing using Latex”. Sixteen faculty members presented their papers in various international conferences. Five staff members have completed workshops conducted by NPTEL.

Three patents are filed by the faculty and students of the I&C department in AY 2017-2018.

Seventeen international conference publications including Springer Book Chapters are published by faculty and students in AY 2017-2018.

“Since we live in an age of innovation, a practical education must prepare a man for work that does not yet exist and cannot yet be clearly defined.”
– Peter F. Drucker

INDUSTRIAL VISIT



Industrial Visit

The third year students of our department visited Sugar factory in Chakan. The students got to see various unit operations carried out in a sugar factory. These operations were carried out to convert the raw product sugarcane to final product

sugar. Students got the experience of watching all the products and tasting the sugar at the end. This trip enhanced their experience to understand their curriculum better by getting exposure to practical applicability of various

theoretical concepts. Final years students visited Hospitals such as Deenanath Mangeshkar Hospital and Research Centre and Global Hospital to study various Biomedical Instrumentation related instruments and modalities.

Department Toppers & Best Outgoing Student...



Ms. Saniya Nalphade
(1226/1500)



Ms. Anchal Singh Guleria
(1205/1500)



Ms. Akshada Shinde
(1202/1500)

Ms. Rashmi Atre
(1240/1500)



Ms. Soumya Sagarika
(1206/1500)



Ms. Rashmi Atre was awarded as the Best Outgoing Student from Instrumentation and Control Department.



Placement for year 2017– 2018

Honeywell– Ms. Rashmi Atre, Ms. Soumya Sagarika, Ms. Akshada Palnitkar, Ms. Prachi Virkar, Ms. Mandavi Malegaonkar

Varroc– Ms. Saniya nalphade, Ms. Kasturi Saha, Ms. Akshita Manwati, Ms. Vaibhavee Vaidya

Bosch - Ms. Radhika Nibandhe

Emerson– Ms. Hiteshwari Patil, Ms. Simran Grewal, Ms. Pranjali Joshi, Ms. Shriya Kotgire

Accenture - Ms. Anchal Guleria, Ms. Aishwarya Kadam,, Ms. Geetanjali Wagh, Ms. Varada Joglekar, Ms. Jeena

Seimens - Ms. Apurva

Paranjpe

Continental - Ms. Mugdha Joshi

Infosys - Ms. Mrudula Ozarkar, Ms. Rutuja Jagtap

Thermax - Ms. Shubhangi Patil

ZS Associates- Ms. Aarti Yelne

“You are on your way to doing some great things indeed. Congratulations and best wishes for your job!”

Feather in the Cap...Granted Patent & one more Doctorate



Ms. Arundhati Bhide from class of 2016 is having a **Indian Grated Patent on “INCISION TOOL”**.

Hearty Congratulations to Ms. Arundhati!

Prof Swati Madhe has completed her Doctorate from SGGGS, Nanded. Her Doctoral Thesis Topic was **“Contact Lens Detection for Iris Recognition using Multiresolution Analysis”**

Hearty Congratulations to Dr. Swati Madhe!

