



DECEMBER 12-14, 2016

<http://dew.iiitdmj.ac.in>

Email: dewdesign2015@gmail.com

THEME: Internet of Process Centric Design and Manufacture

ABOUT DEW 2016

DeW 2016 will be focused on Industry 4.0. Industry 4.0 is the fourth major upheaval in modern manufacturing. It involves the use of advancements in communication and information technology, to increase the degree of automation and digitization of production, manufacturing and industrial processes. The incorporation of the Internet of Things (IoT) in the design and manufacturing races has played an important role in initiating the fourth industrial revolution. The physical and the virtual world have been merged using Cyber - Physical Systems (CPS). CPS are integrations of computational and physical processes. IoT is the network in which the CPS collaborate with each other through unique addressing schemas. The Smart Factory or the factory of the future is intended to operate efficiently, with all processes performing and regulating in a smooth and continuous manner. The objective of Industry 4.0 is to eventually manage the entire value chain process, by improving the efficiency of the production process along with the quality of the products.

TENTATIVE SPEAKERS

Prof. B. Gurumoorthy, CPDM, IISc Bangalore
Prof. Manabu Kiuchi, University of Tokyo
Prof. Ramesh Babu, IIT Madras
Prof. V. P. Bapat, IDC, IIT Bombay
Prof. Yoshimi Ito, Tokyo Institute of Technology, Japan
Dr. Masao Nakagawa, Okuma Corporation, Japan
Dr. P. Thanapandi, alphaTKG, Japan
Dr. Sudhir K. Mishra, BrahMos
Mr. P. k. Tukaram, Altair India
Mr. Toshio Takagi, alphaTKG, Japan
Mr. Yogesh Zope, Bharat Forge Ltd.
Mr. R. Rajkumar, Aagnaa Singapore

REGISTRATION

Participants from Industry: ₹ 5000
Participants from Academic Institution: ₹ 500
Design Workshop registration can be made in the form of a non-refundable Demand Draft or Online payment as per the details below:
DD in favour of "PDPM IIITDM Jabalpur" payable at **Allahabad bank, IIITDM Jabalpur**.
Online payment details
Account Name: **PROJECT ACCOUNT PDPM-IIITDM**
Account No. **50210022387**
IFSC Code: **ALLA0212433**

IMPORTANT DATES

Last Date of Registration for Dew 2015: **30 November, 2016**
Student Design Challenge (SDC): **01 December, 2016**
Declaration of Selected Entries: **04 December, 2016**
Declaration of SDC Winners: **08 December, 2016**

ABOUT IIITDM JABALPUR

PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (IIITDMJ), an Institute of National Importance, established by Ministry of Human Resource Development in 2005, is an institute that specializes in "hands on learning" and multi disciplinary education. It is situated in lush greenery amidst hills and valleys in the Jabalpur city known for the beauty of nature and white marble rocks.

It offers undergraduate, postgraduate, and Ph.D. programmes across different disciplines of CSE, ECE, ME, and Design (B.Des, M.Des, and Ph.D) as well as M.Tech in Mechatronics, and Ph.D. in Natural Sciences.

STUDENT DESIGN CHALLENGE (SDC)

Develop a IOT based solution for **Internet of Industry linked Education**

Eligibility

This competition is open to all under graduate, post graduate and doctoral students of any institute of any domain. Non-resident Indians, as well as foreign students can also take part in the competition and there is no entry fee for SDC. The top three entries will earn a Certificate of Recognition and all shortlisted entries would be entitled for free participation in the Design Workshop 2016. Besides, such entries will earn a Certificate of Participation and would be exhibited during the workshop.

Prize: Cash prize of worth ₹30,000 to be won

Judging criteria

Each design will be judged by a panel of experts based on the following **criteria:** Creativity, Effectiveness, Practicality, Originality, Usability, Manufacturing Feasibility, Presentation.

Each team can have maximum of three members. Each participant / team is allowed a maximum of three entries.

Submission Specifications

All entries must be submitted online

1. A2, Portrait (maximum of two pages)
300 dpi | JPEG or PDF format

2. Write-up (DOC, DOCX or PDF format) must contain

•Summary about the design (not more than 200 words).

•Your full contact information: Name, Postal Address, Email, Telephone number, Address of the Institution.

•Bio-data (not more than 100 words).

3. A copy of your student ID card.

CONTACT

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