



# IIPE MANUFACTURING NEWS

Editor-in-chief  
Dr. K. Gopalakrishnan

Monthly Newsletter of the Indian Institution of Production Engineers

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## IIPE Planning for Digital Transformation



### We Invite Suggestions from Members of IIPE

IIPE has been in discussions with "Azure Digital" which have been working in the area of Digital Learning and Online Learning. They have helped Madras Sanskrit College, with their Online Learning of Sanskrit, which has been doing very well (<https://digital.madrassanskritcollege.edu.in/site/home>). Most recently, they have also helped a Bangalore based German Learning Centre - (<https://www.deutschcenter.com/>) with their "Learn German Online" platform, which has gone live.

IIPE is in the process of exploring a Digital Engagement Platform for IIPE Members based on some research on IIPE as well it's the then UK Affiliate - (<https://www.theiet.org/>) and IEEE, which has completely digitalized its membership platform, providing rich digital content for manufacturing Engineers. Azure Digital have tied up with a firm in Bangalore which specializes on Online Learning, and can design, develop and deliver Online Learning Content for IIPE.

Here is the proposed plan for the considerations of Members of IIPE:

1. Azure Digital Team will develop a proposal for a Digital Engagement Platform for Members of IIPE. This platform will be more than just a web-site, and will be for information sharing, learning and continuing education for members on all new and relevant technology such as Robotics and Artificial Intelligence (AI) for Manufacturing etc will be deployed on Cloud.
2. The Platform can also conduct Webinars for members and students
3. The platform can provide member related services as per the charter of IIPE.

They can build the platform on a "Build-Operate and Manage" model for IIPE, as its custodians, while IIPE will own all the Intellectual Property of the Platform. They will develop the plan at no cost to IIPE. IIPE invites suggestions from Members on or before 30 September 2019 and Governing Council will discuss the plan and if there is consensus, we can take this forward. With new Mobile 5G technology on the horizon, digital engagement on mobile devices will be ubiquitous in the coming years, especially with millennial members, who will form the bulk of the membership, starting from college student members. Digital Engagement of members for professional development, continuing education and learning can be lifelong experience. Look forward to hearing from you all, if you are all interested that IIPE would like to pursue this further.

**-Chairman, IIPE, National Head Quarters**

## From the Pages of History...

The MT&M Journal of IPE was Revived by Dr.K.Gopalakrishnan, presently National Secretary, IPE with Support of Mr. O. P. Khanna and Dr.L.V.Muralikrishna Reddy in 2005 (Cover Page shown below) and Indo-German Delegation Visited Hannover 2005 under the Leadership of Mr. O.P.Khanna, Mr. Zahed, CMD, HMT, Padmashri Prof. R.M.Vasagam, Dr.LVM Reddy, Dr.W.P.Krishna et al.

Volume: 1 OCTOBER - DECEMBER 2005

**MT & M**  
**Manufacturing Technology & Management**

Quarterly Journal of Indian Institution of Production Engineers (IPE)

**27th Annual General Body Meeting of IPE**  
**CHANGING OF GUARDS**



Shri. O.P. Khanna, welcomes the New National Chairman of IPE Mr. M.S. Zahed, CMD, HMT. Shri. V.K. Iyer looks on



Dr. K. Balaveera Reddy, Vice-Chancellor, VTU delivering the inaugural address



Governing Council Meeting of IPE at HMT  
Shri. O.P. Khanna, welcoming Mr. M.S. Zahed, Chairman and Managing Director, HMT to the GC of IPE

**Bottom Left Photo:** National Conference on Recent Trends in Manufacturing on 17-18 March 2005 at New Horizon College of Engineering, Bangalore. Dr. K. Balaveera Reddy, VC, VTU is delivering inaugural keynote address.

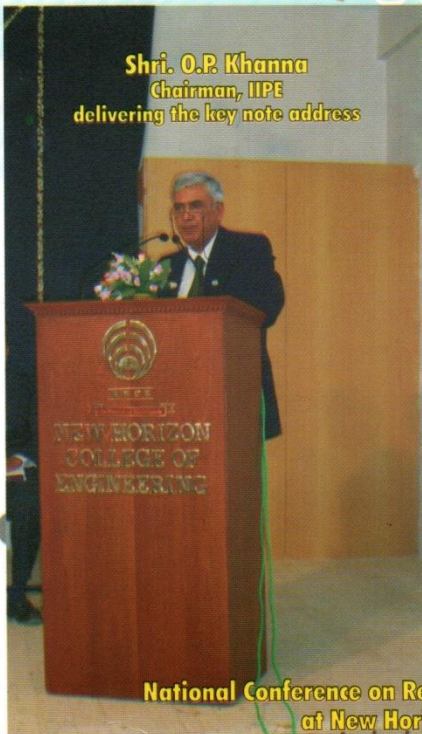
**L to R:** Dr.K.Gopalakrishnan, Mr. O. P. Khanna, Dr. Mohan Manghnani and Dr. Chenna Reddy, Principal, New Horizon College of Engineering.  
**Bottom Right Photo:** Mr. O. P. Khanna welcomes Mr. Zahed, New Chairman, IPE and CMD of HMT to GC Meeting of IPE at HMT.

## An Award of a Lifetime to Lt. Gen. (Dr.) V.J. Sundaram



**HARD WORK PAYS :** Prime Minister Manmohan Singh presenting the Life Time Achievement Award 2003 to Lt. Gen. (Dr.) V.J. Sundaram (Retd) for his contribution to the development of Trishul, Agni, Akash and Nag missiles, at the DRDO Awards function, in New Delhi on 17 May 2005

The Chairman, all Office bearers and Members of IPE are extremely happy to convey their fraternal felicitations to Lt. Gen. (Dr.) V.J. Sundaram (Governing Council Member, IPE) for this spectacular achievement and wish him many more years of sound health and prosperity and success in all his future endeavours.



**Shri. O.P. Khanna**  
Chairman, IPE  
delivering the key note address



Dr. M. Channa Reddy, Principal, NHCE presenting memento to Shri. O.P. Khanna



**National Conference on Recent Trends in Manufacturing on 17 & 18 March 2005 at New Horizon College of Engineering, Bangalore**



**IPE Chapters interested in Launching Their Own Satellites or to establish the UNISEC India Chapter at Their Institutions can contact: Dr. K. Gopalakrishnan, National Secretary, IPE at [profgoki@yahoo.com](mailto:profgoki@yahoo.com) or M: 98451 73730**

### India- Israel Partnership

- Innovation, Robust Technology Base, Disruptive Technologies
- Academic Research to Products and Solutions
- Approach to Outreach Educational Programmes – Industry & Institute
- Mastered in Space Technology
- Strong in Communication, Observation Science and Education International Co-operation, Bilateral Agreements with India including Student
- Exchange Programmes and Joint Projects
- Funds - Grants, Soft Loans etc

### How Institutions Can Engage

- Build Strong "Space Technology" Competencies
- Hands on Development Experience- Students and Faculty Members
- More Industry Interaction (Real Time)
- State-of-the-art Technology Interventions
- Create New Job, Start-ups and Incubation facilities
- Nurture Future Space Engineers/Scientists
- Technology Demonstration - S&T Research
- Support Education Outreach
- Make Students Future Career Ready

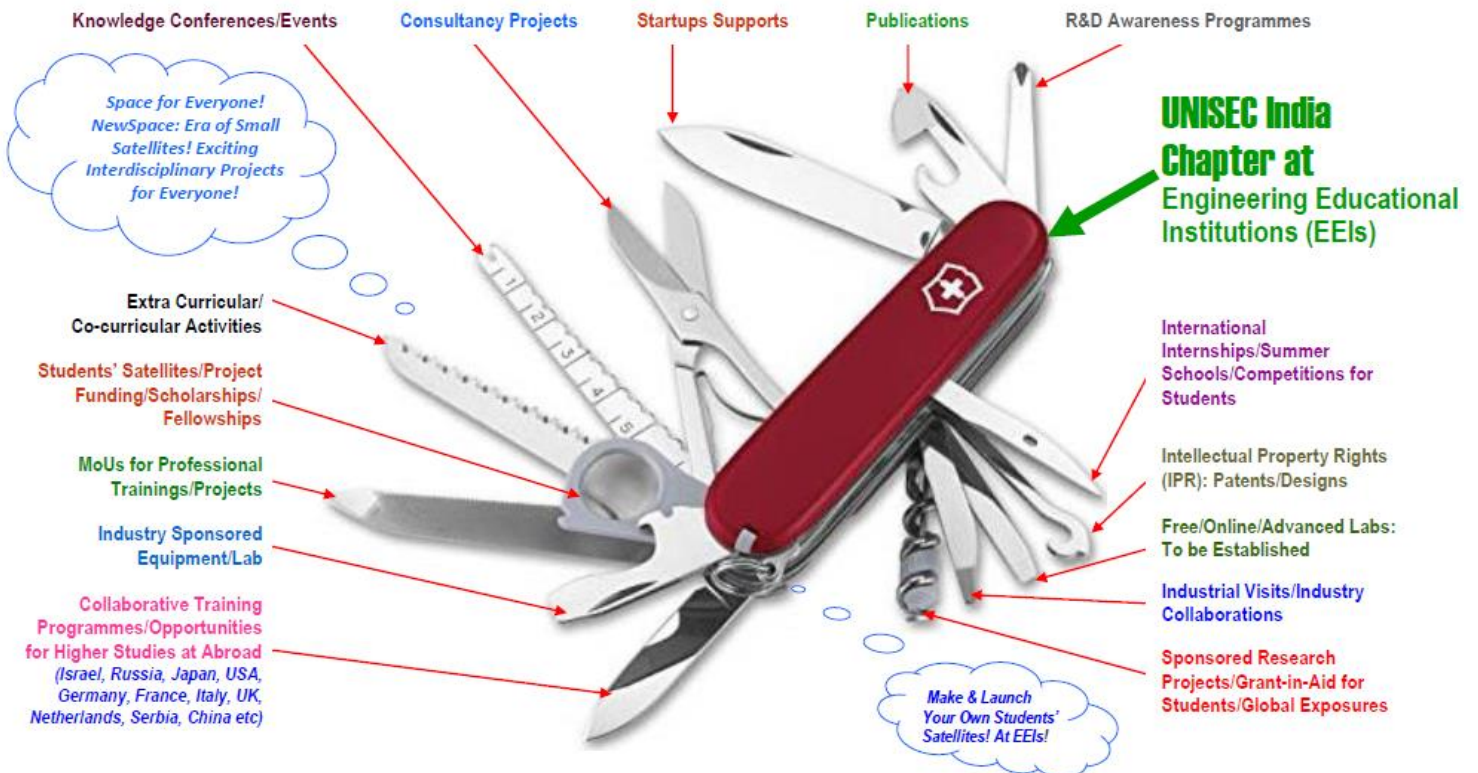
**UNISEC India: Secretariat @ 4<sup>th</sup> Floor, #3, First Main, BDA Layout, Kodihalli, HAL 2nd Stage, Bengaluru – 560008, Karnataka, India; Contact Info: +91 80 6559 2501, +91 80 4850 8380; Website: [www.unisec-india.in](http://www.unisec-india.in)**

## BENEFITS OF



## CHAPTER AT EEIs

*Become a Member! Smartly Avail the Unlimited Opportunities! Globally!*



## **Benefits of Professional Bodies Chapter at EEIs: Including IPE Chapters at EEIs Which Provide Network to Achieve the Following:**

### **Publications**

- Research Papers: Published in Journals (With ISSN/Impact Factors etc)
- Research Papers: Published in Conference (Proceedings with ISBN)
- Books
- Monographs/White Papers
- “h” Index of Each Faculty
- “i10” Index

### **Intellectual Property Rights (IPR)**

- Patents
- Trade Marks
- Geographical Indications
- Layout-Designs of Integrated Circuits
- Industrial Designs
- Trade Secrets
- Copy Rights (rights of authors of literary and artistic works including Computer Programmes)

### **Sponsored Research Projects/Grant-in-Aid**

#### **Consultancy Projects**

#### **Industry Sponsored Equipment/Lab**

#### **Free/Online/Advanced Labs: Established**

- Students/Faculty Activities

#### **R&D Awareness Programmes**

#### **Extra Curricular/Co-curricular Activities**

- Establishing Chapters of Professional Societies/Trade Bodies
- Enhancing Team Activities/Interpersonal Skills etc

#### **Emerging Trends Watch: Alternative Teaching & Learning**

- Innovations/Patents/Video Watch etc

#### **Industrial Visits/Industry Collaborations**

- Arranging Industrial Visits/Field Training of Faculty/Students at Industries
- B.Tech and M.Tech Mini-Major Project/Dissertation Work at Industries
- Collaborative Training Programmes/Credit Courses
- Companies to Take Students for Learn & Earn Programs
- Practical Training/Pre Internship of students in Industries (Unpaid/Paid)
- Professional Chairs Sponsored by Industries at EEI
- R&D Laboratories sponsored by industries at EEI
- MoU between Industries/R&D Labs/Professional/Trade Bodies
- Scholarships/Fellowships Instituted by Industries for Students of EEI
- Short-Term Assignment/Exchange of Faculty Members in Industries
- Expert/Professionals from Industry as Visiting Professors or Guest Lectures and Delivering Lectures on Industrial Best Practices & Trends

#### **Knowledge Conferences/Events: Organized/Attended**

- Workshops, Conferences and Symposia *In House Events:*
- Faculty Participation in External Events: Having Tie-ups with Foreign Universities
- Promote International Internship /Summer Schools

#### **Startups: Established**

- Startups by Students/Faculty Members

The screenshot shows the Coursera interface for a specialization. At the top, there's a search bar with the text "What do you want to learn?". Below that, the breadcrumb trail reads "Browse > Physical Science and Engineering > Electrical Engineering". The main title is "Digital Manufacturing & Design Technology Specialization". Below the title, it says "Offered By UNIVERSITY AT BUFFALO THE STATE UNIVERSITY OF NEW YORK". A description reads: "Understand Manufacturing's Fourth Revolution. Learn how manufacturing is evolving with advances in digital-based technology." There are two buttons: "Enroll for Free Starts Aug 11" and "Financial aid available". At the bottom, it says "2,942 already enrolled!".

About this Specialization 17,290 recent views

Whether you're a high school graduate exploring manufacturing careers, or an operations manager hungry for an understanding of the newest manufacturing technologies, this specialization will provide a foundation in how digital advances are changing the landscape and capabilities of factories. Nine courses – developed with input from the manufacturing industry – touch on Industry 4.0 and its components, including digital manufacturing and design practices, the concept of the digital thread, the Internet of Things and Big Data. To learn more about the Digital Manufacturing and Design Technology specialization, please watch the overview video by copying and pasting the following link into your web browser: <https://youtu.be/wETK1O9c-CA> (Ref: <https://www.coursera.org/specializations/digital-manufacturing-design-technology>)

## Indo-Israel SpaceTech Leadership Program Delegation



*IPE Chapter of NHCE has been sent their students to Indo-Israel SpaceTech Leadership Program Delegation during 26-31 May 2019 at Israel.*

7th Indian Technology Congress  
**Human Digitalization:  
 Future Intelligence**  
[techcongress.net](http://techcongress.net)  
  
**INDIAN  
 TECHNOLOGY  
 CONGRESS**  
**4-5 SEPTEMBER 2019**  
 NIMHANS Convention Centre  
 Bengaluru, India



## New Space India @ 75

**Indo-Israel Delegation with Major General (Res.) Prof. Isaac Ben-Israel, Chairman of the Israel Space Agency, Head of the Tel Aviv University Cyber Center: "The Israeli Space Programme" and Dr.Meir Ariel, Director, Nano Satellites Centre, Tel Aviv University and Herzliya Science Centre during 26-31 May 2019 at Israel.**

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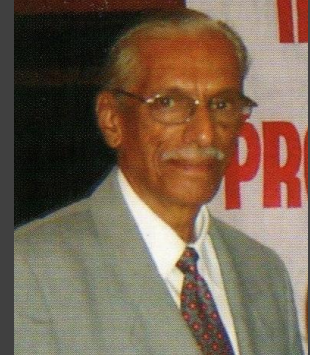


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**The 2019  
 CanSat/Rocketry International Competition  
 | CRI<sup>C</sup>2019 |  
 SERBIA**

**May His Soul Rest in Peace!**

**Mr. V. K. Iyer,  
 Past Chairman, IPE (2001-2003)  
 has passed away on 26 July 2019  
 at his residence in Chennai**



**IPE NHQ convey their condolences  
 to all his family members and friends.**

Condolence meeting has been held at Chennai on 04 August 2019 at 16.00 hrs by IPE, Chennai Chapter. Dr. Krishnamurthy, Dr.K.V.Krishnasastry, Er. Balakrishnan, Dr.D.Thirunavukkarasu and Dr.Maheshkumar have organized the condolence meeting at Chennai.

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