

PUBLICATIONS

Technical volume of the Seminar will be published incorporating all accepted papers including write-ups on the subject for general appreciation and made available to the registered participants.

Member / Delegate Registration:

Students UG/PG Rs.300/-

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Non IEI Members Rs.1000/-

Registration is based on first come first serve basis only.
Prior registration is mandatory for participation in the Seminar.

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All payments are to be made through Cheque/ NEFT/
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The online payment can be made through NEFT/RTGS/UPI

The fee includes Course material, lunch, morning /
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All India Seminar on
Sustainable Development of Industries
through Industry 4.0 Application
03-04 December, 2022

FOR REGISTRATION

Scan the code or click on it.



The Institution of Engineers (India)

A Century of Service to the Nation

ALL INDIA SEMINAR ON SUSTAINABLE DEVELOPMENT OF INDUSTRIES THROUGH INDUSTRY 4.0 APPLICATION

03-04 DECEMBER, 2022

ORGANISED BY



The Institution of Engineers (India) BELAGAVI LOCAL CENTRE

Under the aegis of
Mechanical Engineering Division
Board, IEI

Venue

Institution of Engineers (I), Local Centre,
Belagavi, Karnataka

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in the year 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant in-Aid to UG / PG / PhD students of Engineering Institutes & Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification. For details, please visit www.ieindia.org.



ABOUT BELAGAVI LOCAL CENTRE

The Belagavi local center was established in the year 1988 as a paper center under the control of the Dharwad sub center. It was into full pledged local center during the year 1989. The foundation for the building was laid by Shri.R.G.Sangolli on 15th September 1988 while celebrating the engineer's day. Shri.R.N.Shetty constructed the main hall in the memory of an eminent engineer Shri.S.G.Balekundri and it was named as "Balekundri Memorial Hall". The center has witnessed several landmark events and today it has become well established center. The center has conducted several workshops, seminars, invited technical talks by eminent engineers and personalities. The centre is known for arranging technical seminars, workshops, invited talks, lectures and tours. Not only has that it contributed the technical support to the local bodies on need basis. The Members have contributed during the Covid-19 and other natural calamities to the needy through relief funds. Belagavi is one of the smart city of North Karnataka well connected by Air, Rail and Road transportation. The weather condition is pleasant and can enjoy the monsoon in the month of July to September.

About the Theme

In 2011, a working group developed the vision "Industry 4.0". It describes the further development of modern production processes with the aim of ensuring that production is networked in the best possible way. As a result, production should control itself as far as possible and also optimize itself. All available data are to be used for optimization and control by exchanging them between the production participants. This also includes the products themselves, which report back the data of their life cycle and thus return findings to product development. German Chancellor Angela Merkel presented this vision in her opening speech at the Hannover Messe 2013, thus ensuring broad support. Since then, efforts to implement Industry 4.0 have been steadily stepped up because of the obvious advantages. Industry 4.0 primarily describes the vision of optimal industrial production. Every production follows fixed and repetitive workflows. The processes are controlled and guided by various instruments. The focus is on systems in which production data is managed. The most common systems in production environments are: ERP – Enterprise Resource Planning MES – Manufacturing Execution System LIMS – Laboratory Information

Management System CMMS – Computerized Maintenance Management System EMS – Energy Management System SCADA – Supervision Control and Data Acquisition HMI – Human Machine Interface PLC – Programmable Logic Controller This two day seminar will bring the industry experts to share the trends and future requirements in both academia and industry to get ready the workforce to meet the industry needs.

Sub theme

This two day seminar will cover the topics on New and Improved Processing Technologies, Digital Manufacturing and Design (DMD), Industrial Internet of Things (IIoT), Data Analytics and Autonomous Decision Making on the Cloud, Cyber Security and Block chain, Vertical Integration of Operations Across the Value Chain, Green Manufacturing, Industry Automation, Newer Materials, Logistics and Layouts, Eco Friendly Materials, Alternative Energy Sources etc.

Call for Papers

The broader subjects which will be deliberated and for which the abstracts and full length paper are invited are; All interested participants are requested to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for oral as well as poster presentation. Each paper should begin with a synopsis of about 200 words and should be limited to 6 typed pages in A-4 size papers including text, figures and tables etc. A brief bio-data (not more than half a page, affixing a photo) of the author(s) should accompany the paper.

Submission of Full Text Paper
20.11.2022

Communication of accepted paper
will be communicated by
25.11.2022

