Important Dates

Last date for submission of Abstract	March 11, 2020
Communication to the authors on acceptance	March 12, 2020
Last date for submission of Manuscript	March 14, 2020
Last date for Registration	March 16, 2020
Date of Conference	March 20, 2020

Registration Details

Delegate	Registration Fee Amount in (₹)
Students	100
IUJ faculty members	200
Research Scholars / Academicians/Industry / Govt delegates	500

Payment

Registration fees may be paid through DD in favor of ICFAI University, Jharkhand, payable at Ranchi.. Registration Fee can also be paid through Credit Card /Debit Card at the University campus or through NEFT, The details for which are given below:

Name of beneficiary	The ICFAI University, Jharkhand - Fee Collection A/c
Type of Account:	Current Account
Account Number:	115201000766
Bank Name:	ICICI Bank
IFSC Code:	ICIC0001152

Note: The registration fee includes Kit, Conference Proceedings, Tea and Lunch on the day of the Conference.

Patron	Prof. ORS Rao, Vice Chancellor
Mentor	Prof. Arvind Kumar, Registrar
Conveners	Prof. Mithilesh Kumar Mishra & Prof Sumit Kumar Sinha
Organizing Secretary	Dr. Rajesh Kumar Prasad, Dr Goutam Tanty
Conference Coordinator	Prof. Viranshu Kumar, Prof. Manohar Kumar Singh
Conference Organizing Committee	Dr. Sweta Singh, Prof. Satya Prakash, Prof. Girijesh Kumar, Prof. Pratik Biswas, Prof. Kumar Kanishka, Dr. Birenda Goswami, Prof. Abhay Sinha, Prof. Amar Gupta, Prof. Manohar Kumar Singh, Dr. T. N. Paul, Dr Sudipta Majumdar
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Important Contacts:

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Industry 4.0

ICFAI UNIVERSITY

The ICFAI Universities, Jharkhand
Grooming Professionals, With Values.

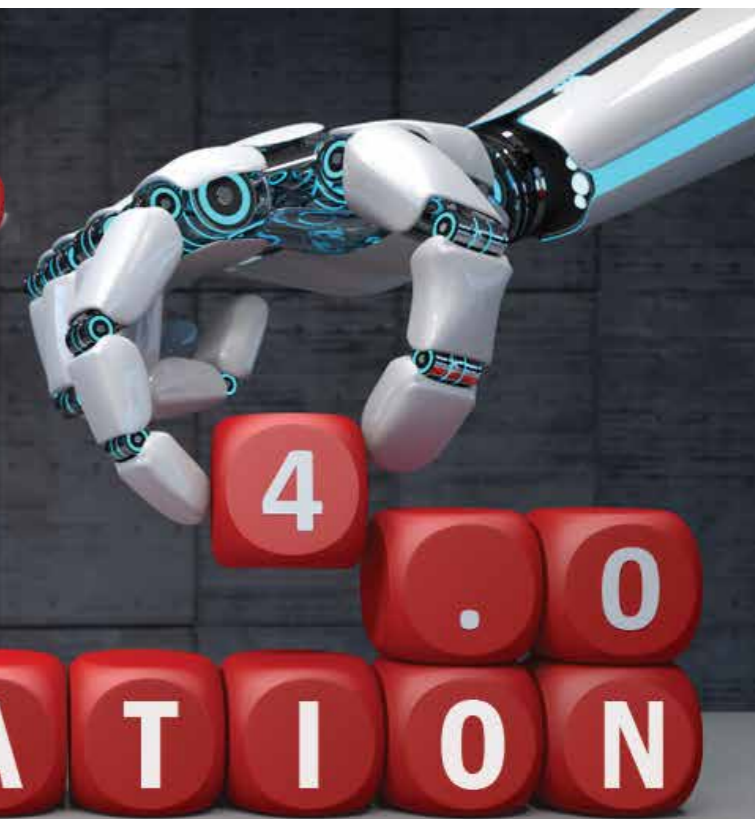## Faculty of Science & Technology
Organizes

National Conference on
EDUCATION 4.0
for the success of Industry 4.0

Date	Time
March 20, 2020 (Friday)	**2 pm - 5 pm**

Venue

The ICFAI University, Jharkhand

Campus: Plot # 2065, Simalia, Near Daladali Chowk, Ranchi - 835222, Jharkhand Phone No: 72570-04504
E Mail ID :- seminars.fst@iujharkhand.edu.in
Website :- www.iujharkhand.edu.in

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Broad Themes of the Conference

The Conference will focus on following broad themes, but not limited to:-

▸ Imperatives for Industry 4.0 for Indian Industry
▸ Paradigms shifts of Industry 4.0
▸ Opportunities for Industry 4.0 in Manufacturing Industry
▸ Opportunities for Industry 4.0 in Mining Industry
▸ Challenges and risk factors in deploying Industry 4.0 and how to address them
▸ Role of Educational Institutions to cater to the manpower requirements of Industry 4.0

Invited Experts from Engineering, Automotive and Mining Industries will address the conference. Besides , papers are invited from academicians and industry professionals on the above topics or any other related topics .All authors have to register themselves, in order to submit papers.

Guidelines for Submission of Research Papers :

1. Full papers should be e-mailed to *seminars.fst@iujharkhand.edu.in*

2. Authors must provide authors' their name, email address, mobile number, institutional affiliation, photo (PDF format) and the title of the paper in a separate document (in MS Word format). In case of joint authorship, details of all authors should be given. Details of the authors' name and affiliation should not appear elsewhere in the manuscript.

3. The full paper submission should contain the following:

   a. The full paper (without author identifiers) along with the title; an abstract of maximum 300 words; keywords (a maximum of 8 keywords); and the main body of the paper, inclusive of tables, figures and appendices and bibliography The full paper should be submitted as a single document in MS Word. The length of the full paper should not exceed 8,000 words, inclusive of the tables, figures and appendices but exclusive abstract.

   b. The full paper must be formatted as MS Word document, in Times New Roman, 12 point font with 1" margin on all sides.

4. All papers will be checked for plagiarism, as per the University Rules, before they are accepted.

5. All authors whose papers are accepted will be given certificates.

6. Award of recognition will be given to the Best Paper on the basis of contemporariness of the topic, originality, rigour of research, analysis and conclusions and presentation. In order to encourage the students, a separate Best Paper award will be given among the student authors.

7. Abstracts of all the accepted papers will be included in the Souvenir that will be released during the inaugural session of the conference. The Conference Proceedings will be published ,as a soft copy, at the end of the Conference.

8. All accepted papers duly edited by seminars editorial board will be published as an edited book as an IUJ publications.

9. Students can participate in poster competition also being held on the same day itself on the same themes and best poster will be given Award of Recognition.

About the University

The ICFAI University, Jharkhand is a part of ICFAI Group that is well known for its quality of education and ethics. It is the first Private University that was set up in Jharkhand, as per the State Legislative Act and is recognized by UGC, as per Section 2(f) of UGC Act, 1956. The University offers a range of Under-Graduate, Post-Graduate and Doctoral Programs in Engineering, IT, Law and Management disciplines.

In view of its commitment for producing quality research, the University started offering part-time Ph.D. Program in Management for Working Professionals from 2012.

Besides compliance with UGC Regulations 2016 and all further amendments, the University follows stringent processes from selection of the candidates to evaluation of the theses. In view of the above, the University has been attracting experienced professionals from reputed organizations in industry, academia, defense, government, etc. from across the country. The University secured 9th rank among the Private Universities in East Zone by the Week – Hansa Research Survey 2019 and 8th Rank among Private Universities of Eastern India by the Digital Learning Magazine, Universities Ranking 2019.

About the Conference

Industrialization started in our society with the invention of steam engine and the first machines that mechanized some of the work that our ancestors did. Invention of electricity was the driver for Industry 2.0, wherein machine replaced human labour, spawing the birth of mass production . The era of Industry 3.0 came in with the advent of computers and the beginning of automation when robots and machines began replacing workforce on those assembly lines. Now with the advent of the Internet Age , Connectivity and Information are taking the centre stage , heralding the Industry 4.0 , an environment ,wherein robots connected remotely to computer systems equipped with automation and machine learning algorithms manage the entire manufacturing system. . The objective of Industry 4.0 is to make businesses/ Industries/ factories quicker, smarter and faster decision making, précised processing and error-free operations, all of them while optimizing costs. In order to make it happen, industrial ecosystem is modified in such a way that the machines talk to other machines and products and information is processed and distributed in real time.

Industry 4.0 is all about optimization of smart, flexible supply chains, factories and distribution models where machines capture and convey more data via machine-to-machine communications and to human operators. The three key trends that modified the industrial ecosystem are Digitization, Industrialization and Optimization. In general, there are nine key technological components that progressively make up the foundation of Industry 4.0: Collaborative Robots (COBOT), Big Data, Augmented Reality (AR), Additive Manufacturing, Cloud Computing, Cyber Physical System, Industrial IoT, System Integration, and Simulation.

A number of organisations in diverse industries have embraced Industry 4.0 and the trend is accelerating day-by-day. However, a number of challenges are to be addressed not only in deploying Industry 4.0 but also consequences of deployment.

In order to make the Industry 4.0 successful, Educational Institutions have to keep pace with it and evolve Education 4.0 so that the graduating students are equipped with the right skills . This seminar is being organised to build awareness among faculty and students on Industry 4.0 and its implications on Higher Education.

Objectives

This conference is aimed at

• Identifying the need and opportunities for Industry 4.0 in reshaping Indian Industry
• Understanding the challenges involved in implementing Industry 4.0 and evolve solutions to address them
• How Educational Institutions should be geared up to cater to the skill requirements of the Industry 4.0?