



Workshop on

Digital Technology & Industry 4.0

Date: 16th June, 2018

Resource persons

Mr. Kaliprasad Rath and Dr. Goutam Kumar Mahato

Number of participants: 19

About Resource Persons

Kali Prasad Rath received his M. Tech. in Computer Science and & M.Sc. in Mathematics from Berhampur University. This is his 14th year at Centurion University of Technology and Management and his 21th year in the teaching profession. He is associated with qualitative study on theory of difference equations.

Dr. Goutam Kumar Mahato, received M.Sc. (Mathematics) from Vinoba Bhave University, Hazaribag and B.Ed. from Ranchi University, Ranchi in the year of 2006 and 2008 respectively. Awarded PhD, in the year of 2013, from Indian School of Mines, Dhanbad. Published 22 research papers in different journals of international repute. Participated and presented 16 research papers in various National and International Conferences/Seminars. Started career in teaching as a part time faculty in BIT, Sindri, Dhanbad. Presently working in Centurion University since 2013.

About the programme

Industry 4.0 – Great Hopes and High Uncertainties. The term Industry 4.0 is used to describe an emerging fourth industrial revolution (related notions in the international discourse are Industrial Internet, Internet of Things or Smart Production). After the mechanisation of production through the emergence of steam and hydroelectric power (Industry 1.0), electrification, and with it Taylorism (assembly line production – Industry 2.0), soon followed. These developments were then succeeded by the arrival of automated mass production through electronics and numerical control (Industry 3.0). The fourth phase, Industry 4.0, is defined by digital, intelligent, networked and largely self-managing production achieved through the union of production techniques, information technologies (IT) and the Internet. Industry 4.0 conveys the hope of being able to stop or reverse the decline of the industrial share of Europe's economic output. Presently, the industry sector only contributes to around 15% of Europe's economic output. The effects of Industry 4.0 can be very far-reaching, touching upon areas such as the labour market, the educational system and changes on a societal level.

Objective:

To enable autonomous decision-making processes, monitor assets and processes in real-time, and enable equally real-time connected value creation networks through early involvement of stakeholders, and vertical and horizontal integration.

Outcome:

Industry 4.0 has made the smart factory reality to the widespread use of digital technologies in formerly manual processes. Connectivity, automation, and optimization are driving the Industry 4.0 digital transformation.



Picture of the Faculty development programme Digital Technology & Industry 4.0


Centurion
UNIVERSITY

WORKSHOP ON
DIGITAL TECHNOLOGY & INDUSTRY 4.0

16th June 2018
Organized by:
Centurion University of Technology and Management

Resource persons
Mr. Kaliprasad Rath and Mr. Goutam Kumar Mahato

centurion university of technology and management
Shaping Lives... Empowering Communities...

Figure: Brochure of the FDP

List of Participants



Centurion University of Technology and Management
Workshop on DIGITAL MANUFACTURING AND INDUSTRIE 4.0

Date: 16th to 17th June 2018

Attendance Sheet

SL.No	Name of Participant	Signature
1	Dr. P.S. Rao(PKD Campus)	P.S. Rao
2	Mr. Satyabrata Nayak(PKD Campus)	Satyabrata
3	Mr. P. Suman(PKD Campus)	Suman
4	Mr. Sukanta Nayak(PKD Campus)	Sukanta
5	Mr. Sujit Mishra(PKD Campus)	Sujit
6	Mr. Santosh Patro(PKD Campus)	S. Patro
7	Mr. Sudhansu S Sahoo(PKD Campus)	Sudhansu
8	Mr. V. Klageswar(PKD Campus)	Klageswar
9	Mr. R. Suryateja(PKD Campus)	Suryateja
10	Dr. Mahendra Kumar Rath(BBSR Campus)	Mahendra -
11	Mr. Dillip Kumar Mohanta(BBSR Campus)	Dillip
12	Mr. Smarajit Punayakanti(BBSR Campus)	Smarajit
13	Mr. Girija Nandan Arka(BBSR Campus)	Girija
14	Mr. Babuli Ku Jena(BBSR Campus)	Babuli
15	Mr. Rashmi Ranjan Panda(BBSR Campus)	Rashmi Pradhan
16	Mr. Shakya Singha Sahoo(BBSR Campus)	Shakya
17	Mr. Chiranjibi Mohanty(BBSR Campus)	Chiranjibi
18	Mr. Sudeep Kumar Singh(BBSR Campus)	Sudeep
19	Mr. Manas Ranjan Padhi(BBSR Campus)	Manas Ranjan Padhi

Dr. Prasanta Ku. Mohanty
Dean Academic

Prof. KVD Prakash
Dean - IIE & HRD