
Fwd: Report of Alumni Interaction cum Expert Lecture on "Scope of Mechanical Engineering in the Era of Industry 4.0 and the Future of Energy Sector"

1 message

S. A. H. JAFRI <sahjafri@iul.ac.in>
To: Mohammad Nawaz Khan <mnkhan@iul.ac.in>

20 November 2024 at 09:28

----- Forwarded message -----

From: **S. A. H. JAFRI** <sahjafri@iul.ac.in>
Date: Tue, 19 Nov, 2024, 11:11 pm
Subject: Fwd: Report of Alumni Interaction cum Expert Lecture on "Scope of Mechanical Engineering in the Era of Industry 4.0 and the Future of Energy Sector"
To: Asad Ahmad Faridi <asadf@iul.ac.in>

----- Forwarded message -----

From: **Communication Cell IUL** <communications@iul.ac.in>
Date: Tue, 19 Nov, 2024, 10:05 pm
Subject: Report of Alumni Interaction cum Expert Lecture on "Scope of Mechanical Engineering in the Era of Industry 4.0 and the Future of Energy Sector"
To:

A Brief Report of Alumni Interaction cum Expert Lecture on "Scope of Mechanical Engineering in the Era of Industry 4.0 and the Future of Energy Sector" Held on October 24, 2024

The Department of Mechanical Engineering organized an insightful expert lecture cum alumni interaction on October 24, 2024 from 10:00 AM to 11:30 AM. Expert speaker, Mr. Atul Verma, Senior Manager at Bharat Heavy Electricals Limited (BHEL), Jagdishpur, is a proud alumnus of Integral University of 2005 batch, brought over seventeen years of rich experience in the area of designing of Boiler Auxiliaries, Production Planning & Control at different units of BHEL to the session. He elaborated on the topic "**Scope of Mechanical Engineering in the Era of Industry 4.0 and the Future of Energy Sector**" shedding light on the evolving scope of Mechanical Engineering with the advent of Industry 4.0 and the transforming energy sector.

Prof. P.K. Bharti, Head department of Mechanical Engineering welcomed the expert and a brief introduction of Mr. Atul Verma was given to the audience.

In the beginning of the address Mr Verma summarized the profile of BHEL and its contribution in the growth of the Indian power sector. He further emphasized the transformative impact of Industry 4.0, also known as the Fourth Industrial Revolution, in the field of Mechanical Engineering. Mr Verma discussed the changing skill requirements in Mechanical Engineering, emphasizing the integration of software knowledge with traditional engineering skills.

Mr. Verma's engaging delivery and in-depth knowledge provided participants with valuable insights into emerging technologies shaping the future including the rise of robotics in manufacturing, the Internet of Things (IoT), Artificial Intelligence (AI), additive manufacturing and 3D printing, simulation and digital twins. He further talked about how data driven decisions incorporating real time data analytics and simulation enable predictive maintenance, optimized work flow has improved productivity and efficiency in industrial scenarios. The session was witnessed by more than 50 participants, including students and faculty members. The lecture not only broadened the understanding of the attendees but also inspired them to upgrade themselves as per the requirements of industries in changing scenarios in the era of Industry 4.0.

Expert lecture was followed by an interesting question and answer session where Mr. Atul Verma, responded to all the questions with satisfying and well-informed answers. The program concluded successfully with a heartfelt vote of thanks extended to both the speaker and the attendees by Dr. S.A.H. Jafri, Associate Professor Department of Mechanical Engineering.

Expert of the lecture Mr Atul Verma was also felicitated by Integral University Alumni Association in the presence of departmental alumni coordinator.

Few glimpses of the event are as follows



Regards

—
Dr. P.K.Bharti
Professor & Head
Convener (ICCMRE-2018)
Deptt. of Mechanical Engineering
Integral University, Lucknow
Mob:09839130775