

**Report of Day-Long Workshop**  
**Muzaffarpur Institute of Technology, Muzaffarpur on 06.02.2024**

A day long work-shop for sensitizing the faculty and research scholars of Muzaffarpur Institute of Technology, Muzaffarpur (MIT-Muzaffarpur) was organized on 06.02.2024. In this workshop, 58 participants from the faculty and research scholars were participated. The workshop was inaugurated by Prof. Manoj Kumar Jha, Principal, MIT-Muzaffarpur and was graced by Prof. Ashish Kumar, Civil Engineering (Nodal Officer).

**BIS Team:**

1. Sh. Kumar Manish Raja, Sc D, NITS & Nodal Officer for MIT-Muzaffarpur
2. Dr. Manoj Kumar Razak, Sc D, CED
3. Sh. Vijay Kumar Gauraw, Sc D, PTBO
4. Sh. Kishan Kanhiya Lal, Sc B, ETD

**Inaugural Session:**

Manak Geet was played in the beginning of the programme. Nodal professor of MIT-Muzaffarpur, Prof. Ashish Kumar welcomed the BIS team. He apprised the faculty members about the collaboration between BIS and MIT-Muzaffarpur in the area of standardization and conformity assessment. Sh. Manoj Kumar Razak and Sh. Manish Raja explained the purpose of conducting the workshop. He urged the participants to take maximum benefit of the sensitization program. Prof. Manoj Kumar Jha, thanked BIS for conducting the sensitization programme and appreciated the prompt steps taken by BIS for operationalization of the MoU. He welcomed the initiative of BIS of reaching out to the academic institutes to spread awareness about standards, their formulation and requested the faculty members to explore the possibilities to join the BIS technical committees and undertake the R&D projects hosted on the BIS website.

Sh. Vijay Kumar Gauraw, conducted the quiz BIS: Don't You Know Me? (An exercise through questionnaire). Sh. Manoj Kumar Rajak and Sh. Manish Raja, presented the Overview of BIS & Standardization ecosystem in the country. Sh. Kishan Kanhiya Lal highlighted the scope of the MoU and how MIT-Muzaffarpur and BIS can mutually benefit from this engagement.

**Breakout Sessions:**

Technical department wise break-out sessions were conducted by BIS officials with the faculty and the research scholars of various technical departments, as per the following details:

S. No.	Officer	Department
1.	Sh. Manoj Rajak	Civil Engineering
2.	Sh. Kumar Manish Raja	Mechanical Engineering
3.	Sh. Vijay Kumar Gauraw	Electronics & Computer Science Engineering
4.	Sh. Kishan Kanhiya Lal	Electrical Engineering

During above sessions, participants were introduced with the various Technical Committees and their programmes of work. Special attention was given to those standards which are related to the topics being taught; and how the Indian Standards can be incorporated in the curriculum.

Further, they were guided for becoming a member in committees, giving comments on drafts, submitting NWIP and accessing the R&D portal to view ongoing projects and submit new proposals. A group activity was also conducted to familiarize them with the standardization process. From the discussion the following strength areas of MIT-Muzaffarpur, where faculty are already engaged in research, were identified which can be utilized by BIS in standardization and other allied activities:

- a) Optimization of tracking Device for Concentrating PV Pannel,
- b) PV System Having Battery as Energy Storage Element for Indian Rural Development/  
Electric Vechile
- c) Optimizing Locations of Solid waste disposal sites using GIS and soft computing  
Technique
- d) Design of MIMO Antenna using Machine Learning for Reliable V2X Communication

The program was well received and the university officials thanked the team for the informative sessions conducted and expressed their eagerness to conduct more such programmes with BIS. They also assured their participation in the process of standards formulation in BIS.