

Report of Day-Long Workshop
Madan Mohan Malaviya University of Technology, Gorakhpur, on 08.12.2023

A day long work-shop for sensitizing the faculty and research scholars of Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur was organized on 08.12.2023. In this workshop, 103 participants from the faculty and research scholars were present. The workshop was inaugurated by Prof. Jai Prakash Saini, Vice Chancellor, MMMUT and was graced by Dr.R.K.Tyagi, Dy. Director General (Central Region), who joined the programme virtually.

BIS Team :

1. Shri Asit Kumar Maharana, Sc E & HLKBO,
2. Sh. Devansh Deolekar, Sc D, LITD,
3. Smt. Divya S, Sc D CED,
4. Smt. Kreeti Das, Sc C, PCD,
5. Sh. Kundan Giri Sc C, PGD

Inaugural Session:

Kul Geet & Manak Geet were played in the beginning of the programme. Nodal professor of MMMUT Gorakhpur, Dr. V. K. Giri, Professor, welcomed the BIS team. He apprised the faculty members about the collaboration between BIS and MMMUT in the area of standardization and conformity assessment. Dr. R K Tyagi, Dy. Director General (Central Region) urged the participants to take maximum benefit of the sensitization program. He advised the BIS officers to present detailed demo of BIS website and other online tools for benefit of the participants. Prof. Jai Prakash Saini, 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 include academia in the standardization activity through R&D projects.

Sh. Kundan Giri, conducted the quiz BIS: Don't You Know Me? (An exercise through questionnaire). Sh. Asit Kumar Maharana, presented the Overview of BIS & Standardization ecosystem in the country. He highlighted the scope of the MoU and how MMMUT and BIS can mutually benefit from this engagement. Smt. Divya S, Sc D & Smt. Kreeti Das gave the demo on the digital initiatives of BIS (Website, e-BIS etc).

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. Asit Kumar Maharana	Electrical Engg Dept & Physics & Material Science
2.	Sh. Devansh Deolekar	Electronics, CSE, IT Dept & MCA
3.	Smt. Divya S	Civil Engg Dept
4.	Smt. Kreeti Das	Chemical Engg Dept & Chemistry & Environmental Science
5.	Sh. Kundan Giri	Mechanical Engg Dept

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 MMMUT, where faculty are already engaged in research, were identified which can be utilised by BIS in standardisation and other allied activities:

- a) Biofuel – ethanol and biodiesel from agricultural waste, Wastewater treatment, Design of new materials for carbon dioxide and nitrogen capture, Polymer composites, Bioleaching of metals from discarded batteries, Design of adsorbents for removal of toxic heavy metals and dyes, Artificial photosynthesis.
- b) Data Management System, e-learning, Artificial Intelligence
- c) Measuring Devices, Precision & Accuracy, Thermal Environment
- d) Earthquake Analysis and earthquake resilient buildings.
- e) Flexible AC Transmission Systems and Smart Grid

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.