

REPORT ON THE FACULTY SENSITIZATION PROGRAMME CONDUCTED AT NATIONAL INSTITUTE OF TECHNOLOGY PATNA

A half day work-shop for sensitizing the faculty and research scholars of National Institute of Technology Patna was organized on 04 April 2024 in Meghnad Saha Auditorium of the institute.

The objective of the programme was to familiarise the faculty and research scholars of the institute with the activities of BIS with special emphasis on standardization and set the platform for furthering the collaboration between BIS and NIT Patna.

Around 100 participants comprising members of the faculty and research scholars took part in the programme. It was inaugurated by Prof. Sanjeev Sinha, Dean (Academic)-NIT Patna. Prof. Amit Kumar, Professor & Nodal Officer (BIS)-NIT Patna, Shri S. K. Gupta, Scientist-E & Head (PTBO), Dr. Zeeshan Ali, Assistant Professor (Humanities) and Dr. Anushree Tripathi, Assistant Professor (CSE) also graced the occasion with their august presence. The detailed programme schedule is placed in Annexure I.

The BIS team comprised the following members-

- i. Shri Koushik Dutta, Scientist-E & Head (PBL)& Nodal Officer for NIT Patna
- ii. Smt. Madhurima Madhav, Scientist-D (NITS)
- iii. Smt. Preeti Prabha, Scientist-C (CHD)
- iv. Shri Kishan Kanhaiya Lal, Scientist-B (BPBO)
- v. Shri Vishal Rana, Scientist-B (MTD)

INAUGURAL SESSION:

The programme commenced with ceremonial lighting of the lamp, followed by rendering of Saraswati Vandana and Manak Geet. Dr. Zeeshan Ali extended a warm welcome to the BIS representatives and all the participants. She highlighted the significance of the programme and how it will benefit the faculty of the institute.

Prof. Amit Kumar in his opening address, elucidated the rich legacy of the institute and how it has fostered a culture to uphold quality in education and promote technical excellence. He thanked BIS for partnering with NIT Patna in promoting the cause of standardization which provides the faculty and research scholars with an excellent opportunity to participate in standardization activities and enrich themselves. He requested the participants to take part in the programme actively and familiarise themselves with the activities of BIS.

Shri Koushik Dutta emphasized the need to connect, coordinate and collaborate with the stakeholders of BIS for giving the much need impetus to standardization and creating awareness about quality. He enumerated the importance of R & D activities for formulating standards and the substantial role that academia can play in it. He explained the significance of the partnership with NIT Patna and reckoned that the institute with the individual and collective expertise of the faculty and research scholars at its disposal can be one of the most valued partners of BIS. He highlighted the areas where both these Organizations can meaningfully collaborate and exhorted the faculty and research scholars of NIT Patna to participate in BIS' activities enthusiastically.

Shri S. K. Gupta highlighted the role of standards in upholding the quality of goods and services. He stated that standards are formulated on the principle of consensus which requires the active participation of our stakeholders. Academia is one of the key stakeholders of BIS and the participation of academicians can not only bring about qualitative improvement in standardization process but significantly facilitate formulation of standards which are robust, relevant and up to date. He thanked NIT Patna for organizing the programme in their premises and requested the participants to actively take part in the programme and make the programme successful.

Prof. Sanjeev Sinha expressed the need for the students to get adequate industrial exposure for a holistic learning experience. He underscored the fact that academia and industry can complement each other suitably for the greater good of the nation. He acknowledged that standards are wonderful resources for learning which can add great value to the academic curriculum. He appreciated the initiative of BIS to engage academia in its activities which will help in bridging the gap between academia and industry. He urged the officials of BIS and NIT Patna to make the most of this engagement and collaborate fruitfully in areas of mutual interest. He thanked the officials of both the Organizations for conducting this event and requested the participants to utilize this programme for enhancing their understanding of standards.

The inaugural session concluded with a vote of thanks by Dr. Anushree Tripathi followed by rendering of the national anthem in keeping with the tradition of the institute.

TECHNICAL SESSION:

The session commenced with a presentation on the overview of BIS' activities by Shri Koushik Dutta and Shri Vishal Rana. During the course of the presentation, special emphasis was given to standardization duly enumerating the prospective areas where NIT Patna can contribute. These areas are listed below-

- i. Participation in standardization as SC/Panel members.
- ii. Taking up R & D projects commissioned by BIS.
- iii. Introducing a module on standardization in the curriculum of NIT Patna
- iv. Creating standard clubs at NIT Patna; even discipline wise clubs may be setup for promoting standards amongst the students.
- v. Selecting contemporary topics/ topics of relevance and organizing "Guest Lectures" on these topics.
- vi. Revision of laboratory manuals to incorporate references to relevant Indian Standards as well as getting their laboratories empanelled under the Laboratory Recognition Scheme of BIS.

This was followed by the Q & A session titled "BIS: Don't You Know Me?" in which the participants were quizzed on BIS. The faculty and the research scholars present enthusiastically participated in the quiz.

The next session titled "How can you contribute" was conducted by Smt. Madhurima Madhav. In this session, a detailed presentation was given on Indian Standards duly explaining its contents, process of formulation and modalities of implementation.

The standardization module introduced by IIT Roorkee in their curriculum was also discussed in detail.

It was deliberated how a similar module can be introduced by NIT Patna as well. The session met with enthusiastic response from the participants who posed their queries to the BIS representatives.

This was followed by a brief presentation on the mandate of the Sectional Committees (SCs), process of accessing information on SCs and Working Groups (WGs), application for membership of SCs and WGs and the guidelines on the functioning of SCs. The presentation was given by Shri Vishal Rana who explained each of these aspects.

A presentation on the process of accessing information on published standards and those under development, proposing New Work Items (NWIP) and sharing comments was given by Shri Kishan Kanhaiya Lal next. He also demonstrated our portal and the relevant modules which contain the information useful for our stakeholders. The participants were also apprised of the “Know Your Standards” module and our eSales portal www.standardsbis.in. They were also informed that the indigenous standards developed by BIS are now available for free.

This was followed by a detailed presentation by Smt. Preeti Prabha on the R & D activities of BIS and the guidelines issued in this regard. During the course of her presentation, she informed the participants about the various projects published by BIS. She also explained the guidelines in detail including the process of submission of proposals, method of evaluation, submission of reports etc.

BREAKOUT SESSIONS:

Department wise break-out sessions were conducted by the BIS representatives as per the details given in the programme schedule. During these sessions, the faculty were apprised of the areas identified for standardization under SNAP 2022-27 and the subjects on which standardization is currently underway. They were specifically informed that only one faculty member from NIT Patna is a member of our SC and that there is ample scope of participation of other faculty members in the standardization process.

The program was well received and the faculty members and research scholars exuded keen interest in the activities of BIS. The programme concluded with hearty vote of thanks by Prof. Amit Kumar and Shri Koushik Dutta to the representatives of BIS and the faculty of NIT Patna for organizing the programme. It was decided that more such programmes will be conducted in future especially on specific subjects for the faculty and research scholars of the institute.



**BUREAU OF INDIAN STANDARDS
AND
NATIONAL INSTITUTE OF TECHNOLOGY PATNA
ARE ORGANIZING**

**THE FACULTY SENSITISATION
PROGRAMME ON BIS' ACTIVITIES**

**ON
04 APRIL 2024
09 00 h – 14 00 h**

**MEGHNAD SAHA HALL
NIT PATNA**

**FACULTY OF THE INSTITUTE ARE CORDIALLY
INVITED TO PARTICIPATE IN THE EVENT**

**REGISTRATION IS FREE
(SCAN THE QR CODE BELOW TO REGISTER FOR THE EVENT)**



E-CERTIFICATES WILL BE ISSUED TO THE PARTICIPANTS

**FOR MORE INFORMATION PLEASE CONTACT
NODAL OFFICER-BIS, NIT PATNA**

Flyer Of The Programme



Inaugural Session: BIS and NITP Officials Seated In The Dais For The Inaugural Session



Technical Session: Presentation on “Overview of BIS’ Activities”



Technical Session: Presentation on “How Can You Contribute ?”



Technical Session: Presentation on R & D Activities



Technical Session: Working of SCs and WGs



Technical Session: Demonstration of BIS' Portal



Technical Session: Audience Comprising Faculty And Research Scholars



Group Photo of BIS and NIT Patna Officials At The Conclusion Of The Programme

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ANNEXURE I

**FACULTY SENSITISATION PROGRAMME ON BIS'
ACTIVITIES AT NIT PATNA****04 APRIL 2024****SCHEDULE**

1.	09 15 h- 09 50 h	Inaugural Session	
		ITEM/TOPIC	SPEAKER
I.	09 15 h- 09 17 h	Lighting Of Lamp & Saraswati Vandana	-
II.	09 17 h-09 20 h	Rendering of Manak Geet	Audio Song
III.	09 20 h-09 23 h	Welcome Address	Dr. Zeeshan Ali Assistant Professor (HSS) NIT Patna
IV.	09 23 h-09 28 h	Opening Address	Prof. Amit Kumar Nodal Officer NIT Patna
V.	09 28 h-09 33 h	Programme Objectives	Shri Koushik Dutta Nodal Officer BIS
VI.	09 33 h-09 38 h	Special Address	Shri S. K. Gupta Sc.-E & Head (PTBO) BIS
VII.	09 38 h-09 43 h	Key Note Address	Prof. Sanjeev Sinha Dean Academic NIT Patna
VIII.	09 43 h-09 45 h	Vote of Thanks	Dr. Anushree Tripathi Assistant Professor (CSE) NIT Patna
IX.	09 45 h-09 50 h	Rendering of National Anthem	Audio Song
2.	09 50 h- 10 15 h	Tea Break	
3.	10 15 h- 12 45 h	Technical Session	
I.	10 15 h- 11 00 h	BIS: Don't You Know Me? i) Overview of BIS ii) An exercise through questionnaire iii) Responses to the questionnaire	Shri Koushik Dutta Shri Vishal Rana
II.	11 00 h- 12 00 h	How can you contribute?	

a.		<p>i) Group Exercise- Participants will write down three standards which they feel will be useful for including in their lectures and three subjects on which they would like Indian Standards to be developed</p> <p>ii) Group Exercise- How Indian Standards can be integrated with their teaching-learning process</p> <p>iii) Support activities by BIS (identification of curricular areas, mapping of standards, EoI for Reference Handbooks, guest lectures etc.)</p>	Smt. Madhurima Madhav
b.		A brief presentation on the mandate of the Sectional Committees (SCs), how to access the information on SCs and Working Groups (WGs), how to apply for membership of SCs and WGs and the guidelines on the functioning of SCs	Shri Vishal Rana
c.		A presentation on how to access information on published standards and those under development, how to propose New Work Items (NWIP) and how to share comments	Shri Kishan K. Lal
III.	12 00 h–12 45 h	<p>Participation in R&D Projects</p> <p>i) Group exercise on writing the scope and ToR for a standard</p> <p>ii) R&D guidelines and demo. of the features of standardisation portal</p>	Smt. Preeti Prabha
4.	12 45 h–13 45 h	Discipline-Wise Break-Out Sessions	
I.		Presentation on the NWIPs in the SNAP and others and discussion	Smt. Madhurima Madhav Civil Engineering
II.		Presentation on the SCs and WGs of BIS like induction of suitable members and discussion	Smt. Preeti Phabha Chemical Engineering
III.		Q & A session on R & D projects and other areas like Reference Handbooks, guest lectures, workshops/seminars etc.	Shri Kishan K. Lal Electrical Engineering Shri Koushik Dutta Electronics Engineering
5.	13 45 h–14 00 h	Concluding Remarks	
			Nodal Officer (BIS) Nodal Officer (NIT Patna)
6.	14 00 h	Lunch	
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