Orientation meeting with mentors of Standards Clubs

Concept behind Standards Clubs

a) Training future entrepreneurs.
b) Training young consumers.
c) Standards promotion.

Preparation for Orientation meeting/TOT

- Senior Officer should preferably communicate/pay initial visit.
- Show gratitude for their interest in formulation of Standards Clubs
- Make the first interaction reasonably interesting.
- Two way communication
- Clear initial doubts and provide all required Handholding
- Seek their convenience for formal orientation meting in physical form/VC.
- Try to give examples during TOT which align to the type of educational institutions in attendance.
- Presentations should be made more graphic dominated rather than text dominated.

Agenda for Training of Trainers

- Concept of quality and quality Infrastructure in India
- Concept of mandatory and voluntary certification.
- Consumer rights and responsibilities
- About BIS and its activities
- State specific information regarding BIS activities
- Information available on BIS website.
- Current standards promotion mechanisms.
- Introduction of e-BIS, BIS Care App, BIS Talks, other social media handles.

Agenda for Training of Trainers

- Concept behind Standards Clubs.
- Guidelines for Standards Clubs.
- Financial resources available and disbursal requirements.
- Sample material like presentations, handouts etc.
- Role of mentors
- **Expectations**
- Share previous experiences from EUS programmes
- Inform feedback mechanisms.
- Identification of training needs

Encourage to adopt innovative ideas and concepts.

Expectations

- Conduct activities within the themes of quality and standardization.
- Develop creativity among students so as to facilitate introduction of new type of programmes and develop new types of promotion material.
- Develop consciousness among students regarding their rights as a consumer and help them discover redressal mechanisms.
- Various facets of BIS activities to be introduced to students.
- Effective utilization of resources

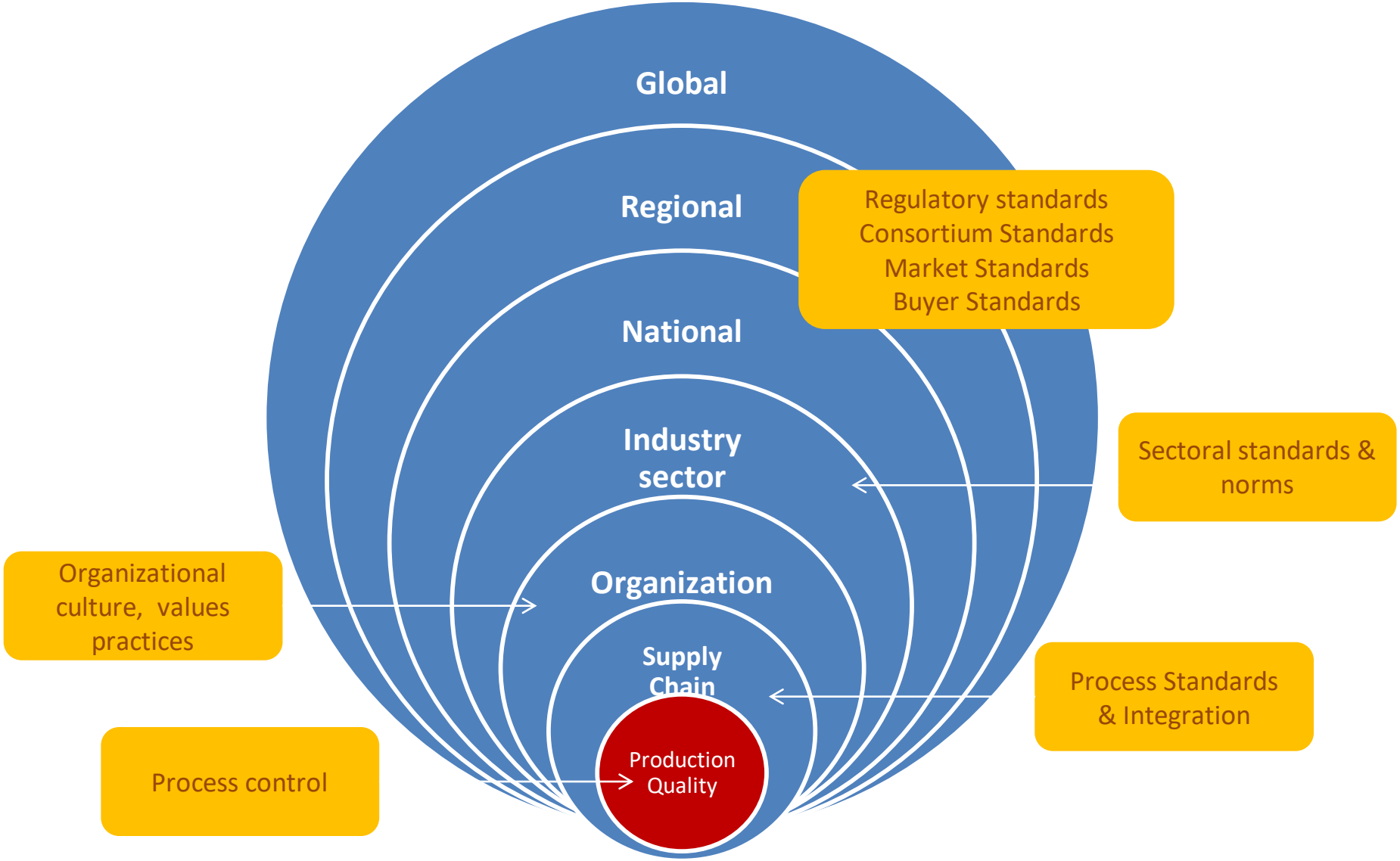
Sample Slides

Concept of quality

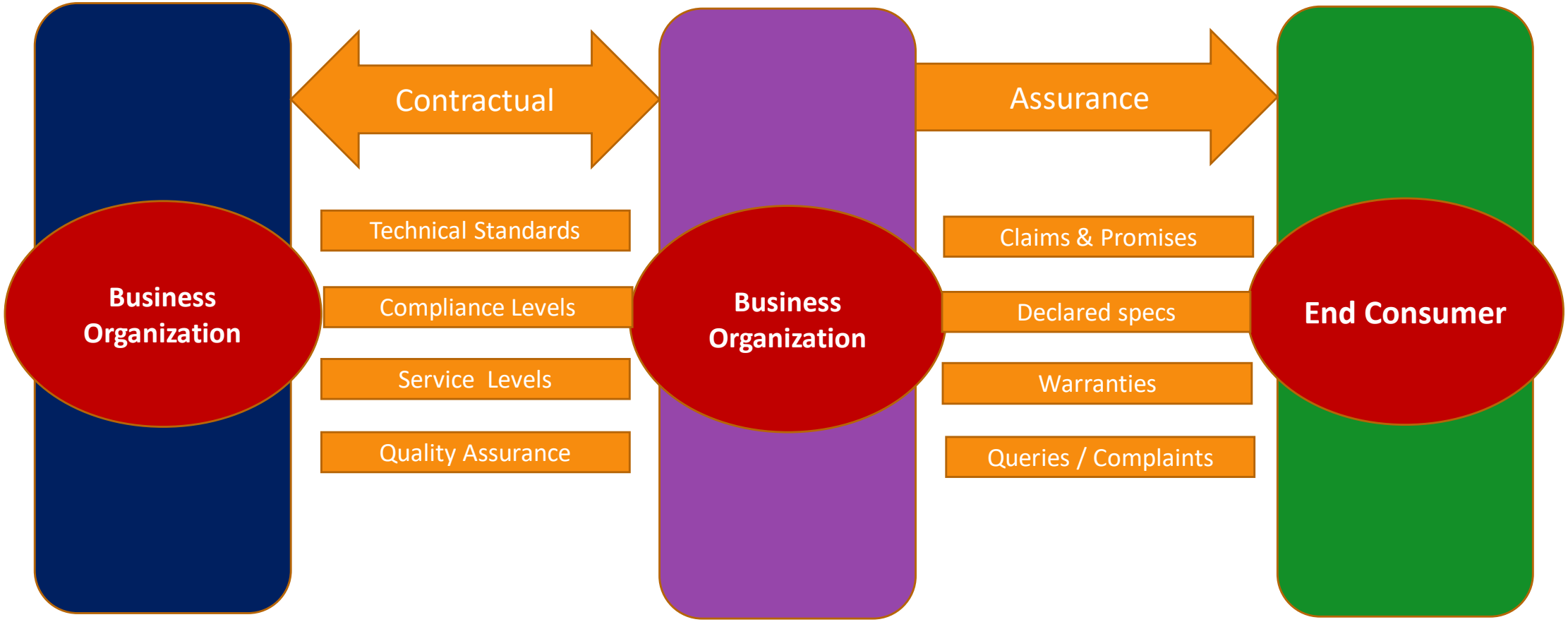
A subjective term for which each person or sector has its own definition. In technical usage, quality can have two meanings:

1. the characteristics of a product or service that bear on its ability to satisfy stated or implied needs;
2. a product or service free of deficiencies.

the quality ecosystem…..



transactional quality.....



Consumer Rights

The right to….

- Safety
- Information
- Choice
- Be Heard
- Redress
- Education
- A Healthy Environment
- Have Basic Needs Met

national quality infrastructure…

Nations create quality infrastructure from two perspectives:

- A voluntary regime which is enabling, but allows market forces to determine compliance levels
- A regulatory framework that mandates compliance to standards to protect consumer safety, to address environmental concerns, overcome market malpractices

ABOUT US
BUREAU OF INDIAN STANDARDS
WELCOMES
ON THE LAUNCH OF
NATIONAL
LABORATORY
DIRECTORY
11th INTERNATIONAL TRAINING PROGRAMME ON
'COMPETENCE AND MANAGEMENT SYSTEMS
OF LABORATORIES'
Bureau of Indian Standards

The Journey

The Beginning – Indian Standards Institution

Indian Standards Institution 6 Jan. 1947

- The Institution of Engineers (India) acting as the Indian Committee of British Standards Institution since 6 Aug 1919
- Govt. of India resolution on 3 Sep 1946 for establishment of ISI
- **Indian Standards Institution (ISI)** was set up on 6 Jan 1947 with the objective of promoting standardization, quality control and simplification in industry & commerce.
- ISI started functioning in Shriram Institute of Industrial Research.
- First Prime Minister of India, Late Pt. Jawahar Lal Nehru laid foundation stone on 21 Aug. 1954 and inaugurated building on 24 Nov. 1958.

Bureau of Indian Standards

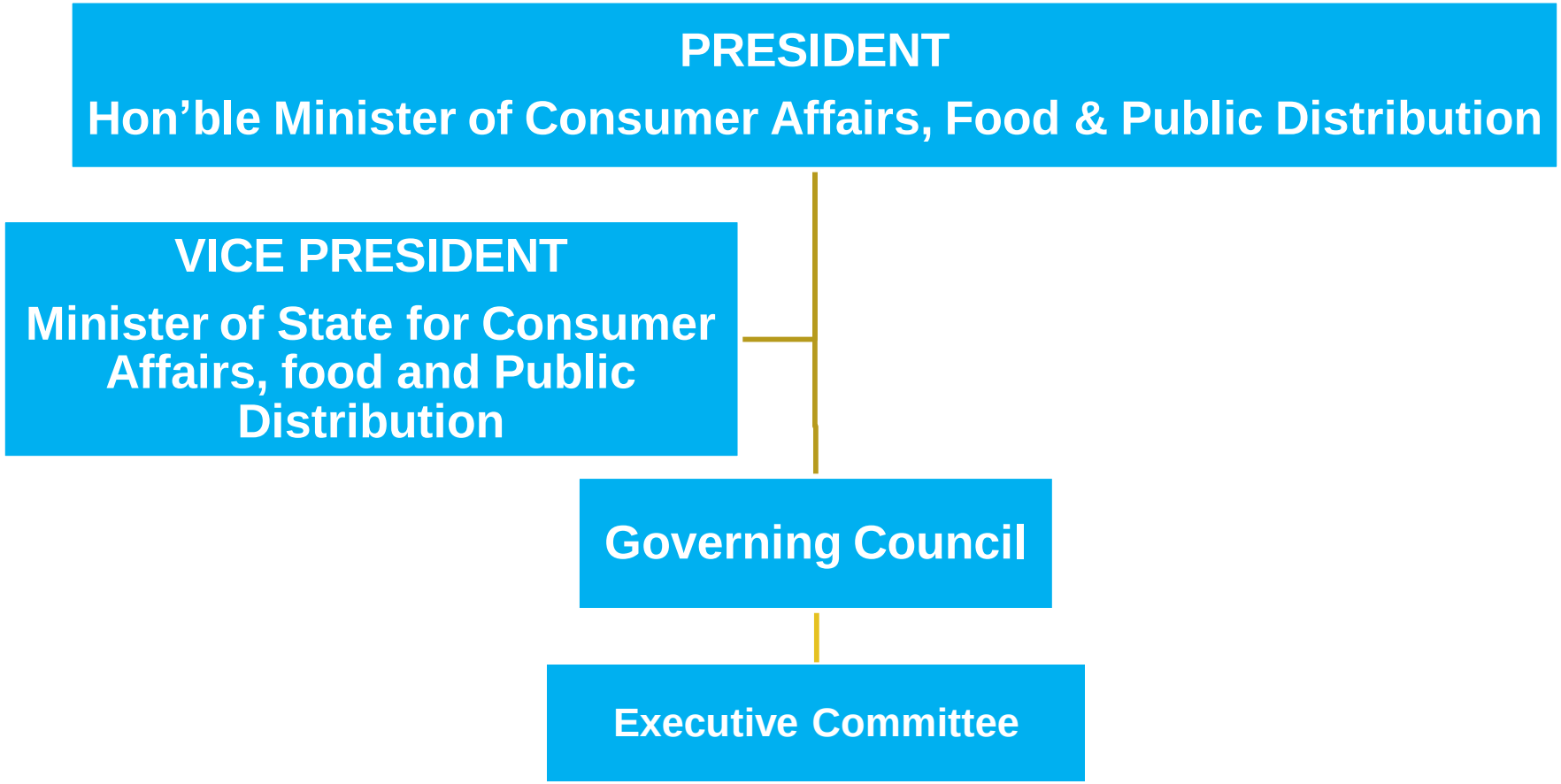
BIS Act 1986

Bureau of Indian Standards (BIS) Act 1986 gave **statutory status** to BIS on 1 April 1987.

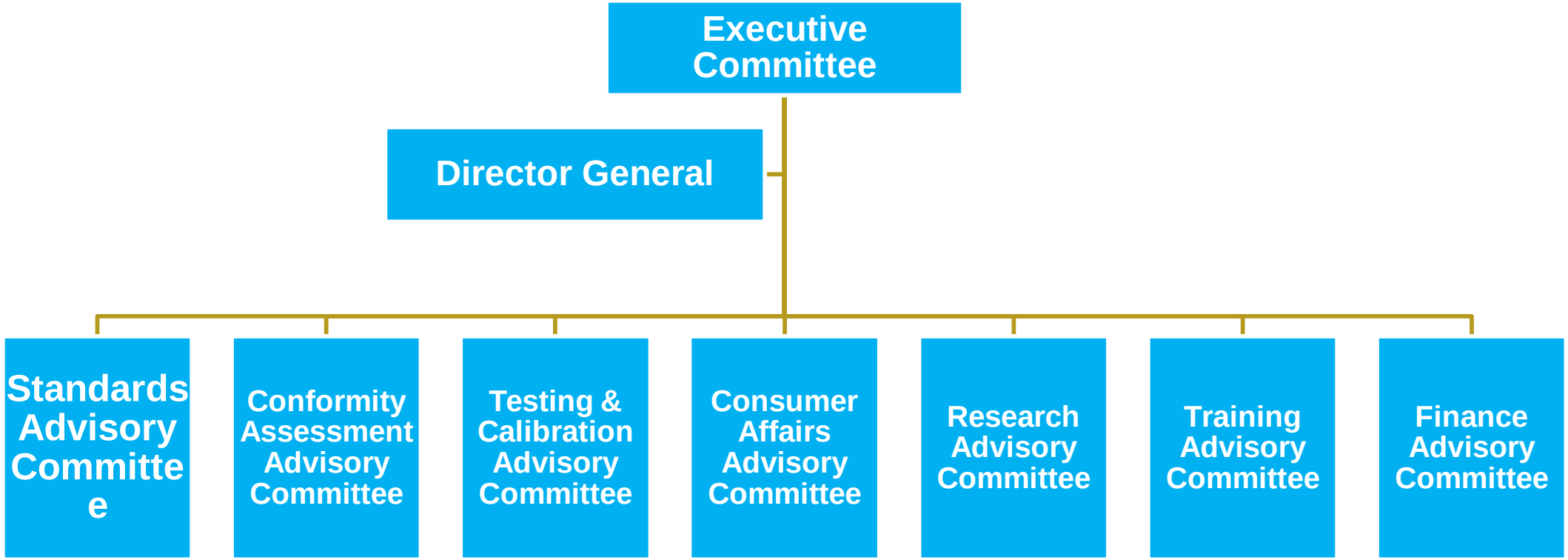
BIS Act 2016

The BIS Act 2016 enforced on 12th October 2017 makes BIS the **National Standards Body of India**.

Structure of BIS



Structure of BIS (contd…)



Core Activities

- Standards Formulation
- Conformity Assessment Schemes
  - Product Certification
  - Management Systems Certification
  - Hallmarking
  - Compulsory Registration
- Laboratory Services
- Consumer Affairs and Standards Promotion
- Training

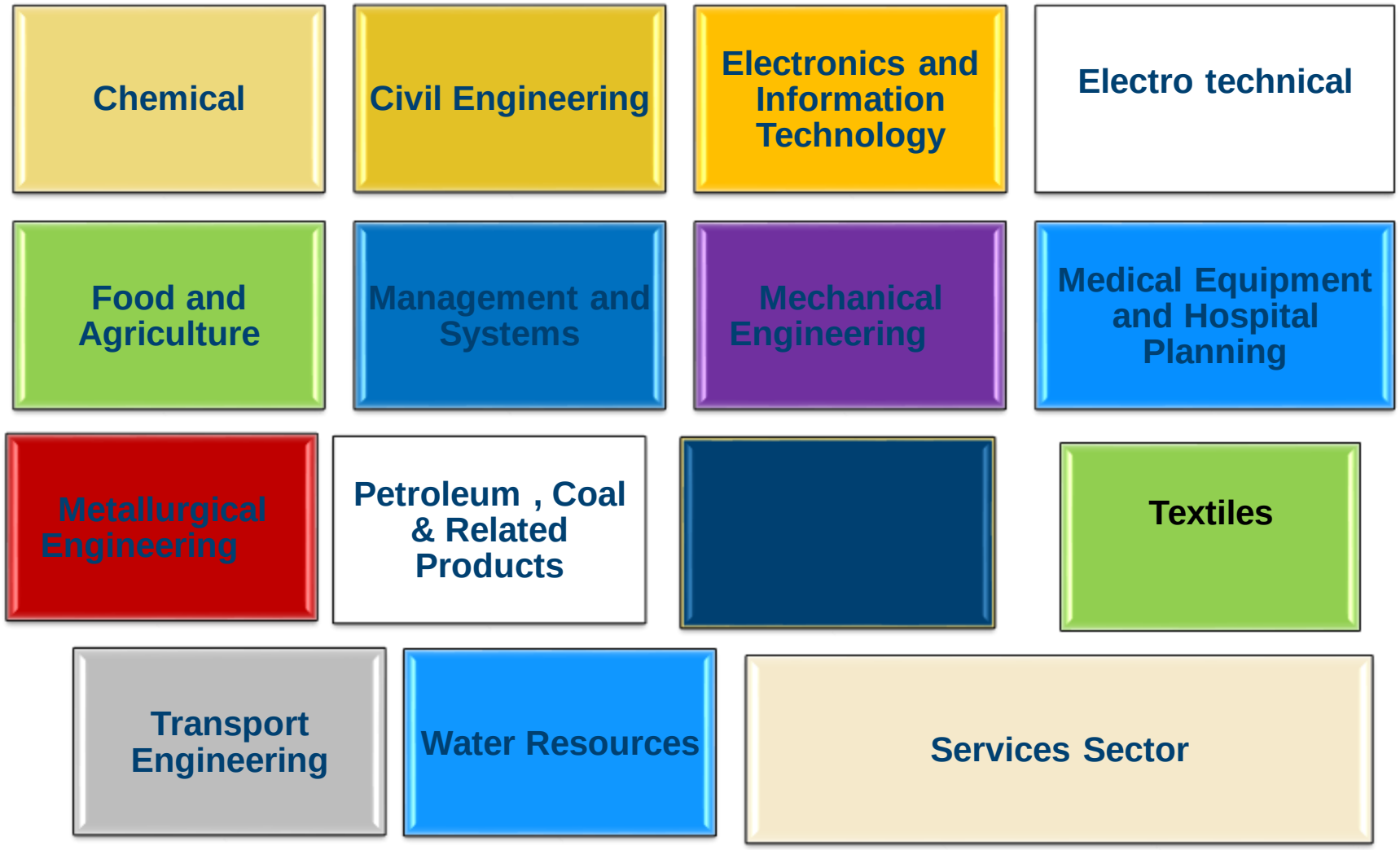
BIS

LOCATIONS

Not to scale; Representative map

Standardization

Technical Division Councils



Number of Experts in Technical Committees: 15300 approx. including 4954 members from consumer groups

Technical Committee

Industry Associations

Chairman

BIS

PSU/Consulting firms

Manufacturers

Consumer interest is always kept on the forefront while formulation of standards.

CONSUMERS

Govt. & Regulatory bodies

Labs/ R& D organizations/Professional and Academic Bodies

Consensus approach

Standards Formulation

Item	As on 25.07.2021
Total number of Standards	**21148**
Number of new Standards made in 2021-22	**230**
Number of Standards revised in 2021-22	**214**
Number of Standards harmonized	**6691**

International Cooperation

- Founder member of International Organization for Standardization (ISO)
- Member of Technical Management Board of ISO from 01 January 2020 to 31 December 2022
- Member of Standards Management Board of International Electrotechnical Commission (IEC) since 2015, further elected from 01 January 2021 to 31 December 2023
- As on 25 July 2021,
  - Participating member in 489 Technical Committees/ Subcommittees of ISO and 99 Technical Committees/ Subcommittees of IEC
  - Observer Member in 184 Technical Committees/ Subcommittees of ISO and 71 Technical Committees/ Subcommittees of IEC
- Secretariats for 03 Technical Committees and 08 Subcommittees of ISO
- Actively involved in standardization under regional and multilateral platforms such as South Asian Regional Standards Organization (SARSO), Pacific Area Standards Congress (PASC), Brazil, Russia, India, China, South Africa (BRICS), India, Brazil, South Africa Trilateral Cooperation Forum (IBSA), etc.
- Chair of the Technical Management Board and of the Board for Conformity Assessment (BCA) of SARSO
- Nominated convenors for 26 working groups of ISO and 15 working groups/system evaluation groups of IEC

Conformity Assessment

Third party Assurance

Types of Certification Schemes

Scheme	Scope of the Scheme
I	Grant of licence to use or apply Standard Mark on products as per Indian Standard
II	Grant of licence to use or apply Standard Mark through registration based on self-declaration of conformity for goods and articles as per Indian Standard
IV	Grant of CoC for goods and articles as per any standard
V	Grant of CoC for a batch or lot of products as per any standard
VII	Grant of CoC for type approval of products as per any standard
III	Grant of licence to use Standard Mark/CoC for management system as per Indian Standard/Specified Requirements
VI	Grant of CoC for services as per any standard
VIII	Grant of Licence or CoC for Process as standard or essential requirements

Product Certification

- **Third Party Certification Scheme.**
- **Voluntary in nature**
- **Mandatory Certification through Quality Control Orders (QCOs) by various Ministries of Government of India - 378 products**
- **Foreign Manufacturers Certification Scheme started in the year 2000**
- **Compulsory Registration Scheme for Electronics and IT products started in 2012**

Item	As on 25.07.2021
Products covered under certification	**1060**
Number of Operative Licences (Domestic)	**38954**
Number of licences (Domestic) issued in 2020-21 (Mandatory & Voluntary)	**1445**

Foreign Manufacturers Certification Scheme

- Launched in Sep 1999
- Licence is granted to a Foreign Manufacturer for use of Standard Mark on a product that conforms to an Indian Standard.
- Products certified include Packaged Drinking Water, Cement, Wood Products, Steel Products, Milk Products, Clinical Thermometers etc.
- 1008 licences are in operation with 06 granted in 2021-22.
- Licences granted to manufacturing units in countries such as France, Dubai, South Korea, Nepal, Italy, China, Malaysia, Japan, UK, Brazil etc with highest being in China.

Compulsory Registration Scheme

- **Ministry of Electronics and Information Technology** for electronic products - 63 product categories
- **Ministry of New and Renewable Energy** for photovoltaic systems, devices & components - 05 product categories
- **Ministry of Heavy Industries And Public Enterprises** for Low – Voltage switchgear and control gear- 08 product categories
- **Ministry of Chemicals & Fertilizers** for Ortho Phosphoric Acid - 01 product category

Item	As on 25.07.2021
Total number of operative licences	17433
Number of new licenses granted in 2020-21	1656

Management Systems Certification

- **Management Systems Certification Scheme in operation since 1991, in accordance with ISO/IEC 17021-1: 2015**
- **Quality Management System Certification, Environmental Management System Certification and Food Safety Management System Certification Schemes of BIS- accredited by NABCB**
- **18 Various Management Systems under Certification**

Item	As on 25.07.2021
Total number of operative licences	**1256**
Number of new licences granted in 2021-212	**18**

Laboratory Activity

Laboratory Activity

No of recognized labs under LRS: 270
Number of Government Labs empaneled by BIS: 259

- 8 BIS laboratories spread across the country for testing of samples drawn for the purposes of conformity assessment schemes of BIS.
- 4 BIS Laboratories are also accredited by NABL as per IS/ISO/IEC 17025 which is the International Standard for Laboratory Accreditation .The process of accreditation for other BIS Laboratories is also underway.
- 3 Referral laboratories of BIS for Gold/Silver Assaying.

Hallmarking

Hallmarking

- Hallmarking is determination of proportionate content of precious metal in an article
- Hallmarks are prevalent in many countries
- Hallmarking started in India in year 2000 based on recommendation of Reserve Bank of India (RBI) Standing Committee
- Hallmarking in India earlier it was voluntary however from 16 June 2021 it became mandatory in 256 districts of India who have Assaying and Hallmarking Centres (AHCs)

Hallmarking

- Grant of certificate to the Jeweller as per IS 1417 for Gold Jewellery/artefacts and IS 2112 for Silver Jewellery/artefacts.

- 100% of the items are tested through XRF. A representative sample per lot is tested by fire assay by AHC.

- Hallmarking of gold items is limited to grades 14k, 18k, 20k, 22k, 23k & 24k as per IS 1417:2016 for consumer protection.

मानकः पथप्रदर्शकः

Hallmarking

- Each item is marked with **Hallmark** (BIS Logo), **purity** (e.g. 22 K 916), **HUID mark.**
- BIS is operating Central Assistance scheme for setting up of AHC at deficient location. 84 AHCs have been provided assistance under the plan scheme.
- 42 Licences granted to Gold Refineries/Mint for refining of gold.
- Since 1 July 2021, across India 6050720 articles were received for hallmarking and 5130840 were hallmarked.

Training Activity

Training Activity

- The National Institute of Training for Standardization (NITS) was set up under the aegis of BIS in 1995. NITS started functioning from its new premises in Noida from May 2003.

- Imparts quality training in the fields of standardization, quality assurance, management systems, certification, laboratory testing, etc.

- Conducts a large variety of programmes on various subjects at its facilities in Noida campus as well as at its training centers in Chennai, Kolkata, Mumbai, Bangalore, Bhopal, Hyderabad and Jaipur.

- Also organizes various International Training Programmes for Developing Countries of Asia, Africa, Europe and Latin & South America. The programmes are conducted by a team of well-experienced, qualified and trained faculty.

Quality Promotion through training

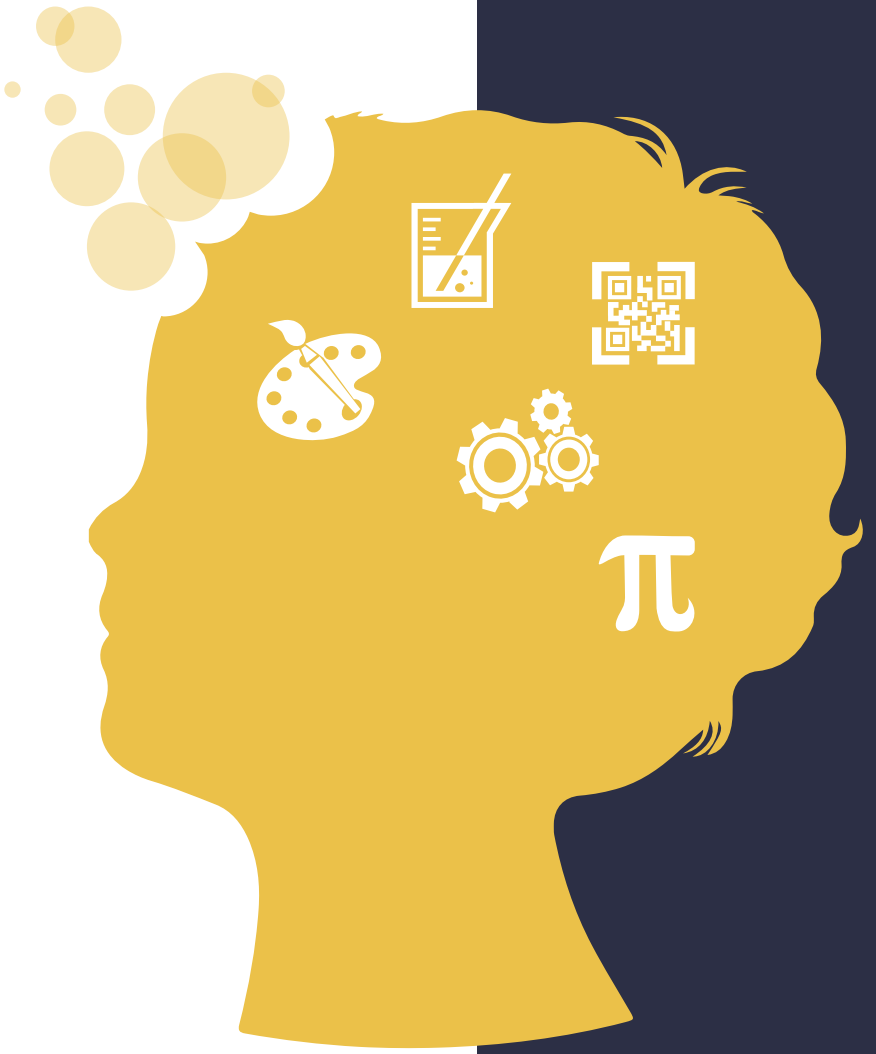
01 Skilling related training

02 Quality related training

Types of Training

03 International Training Programmes

➢ Provided to members of developing countries on subjects of standardization, management systems, conformity assessment , laboratory quality management system etc.



04 Management Systems related

➢Lead Auditor and Internal Auditor related trainings for IS/ISO 9001, 14001, 45001, 27001, 22000, 17025, IMS etc are given.

Types of Training

05 Educational Utilization of Standards

- Focused training on standardization in specific subject areas is given to school/college students.

- Helps in understanding the nuances of standardization, conformity assessment and other BIS activities in detail.

06 Training for SC members & SDOs

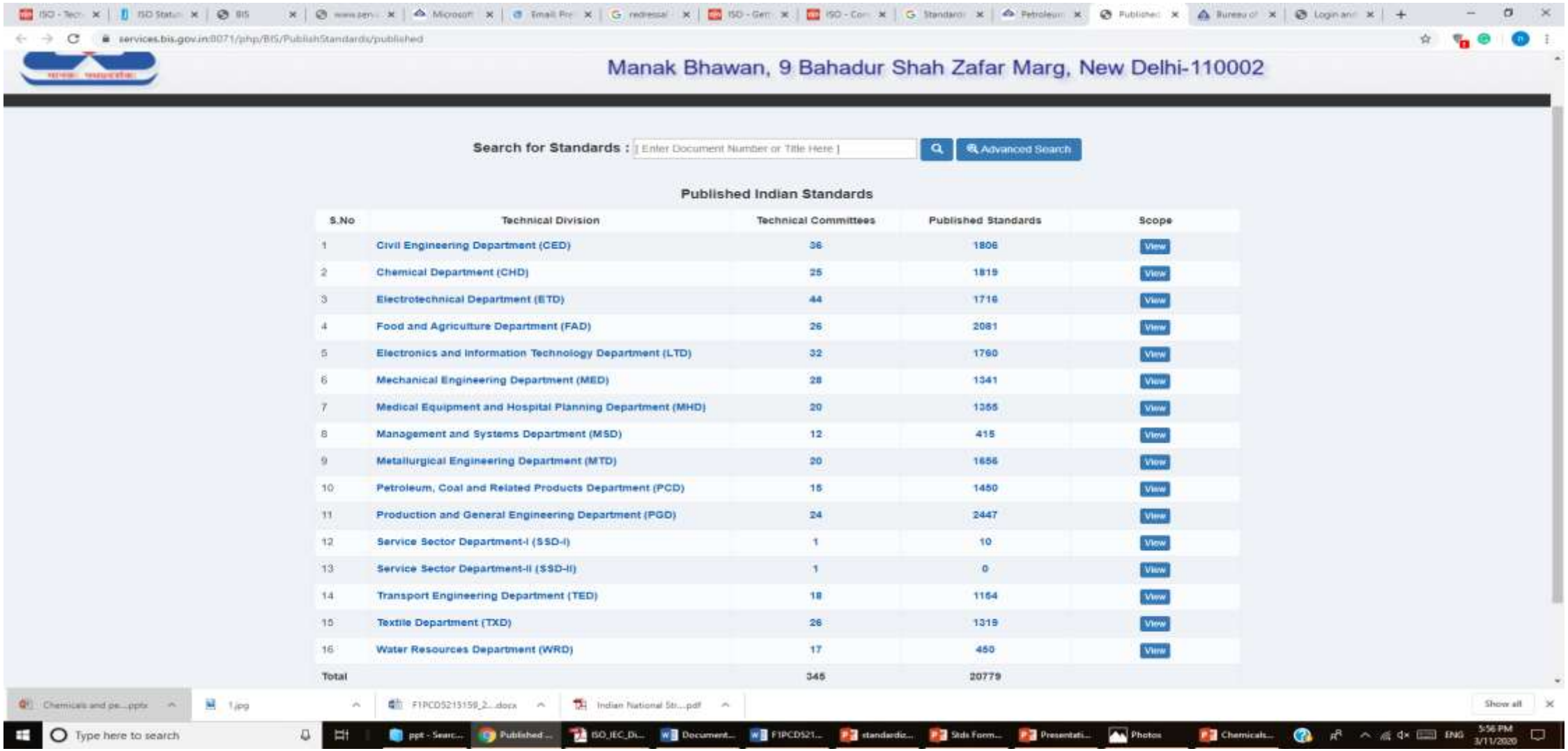
- Understand the nuances of standardization and the formulation process in detail.
- Helps in effectively formulating standards.

eBIS

eBIS Portal

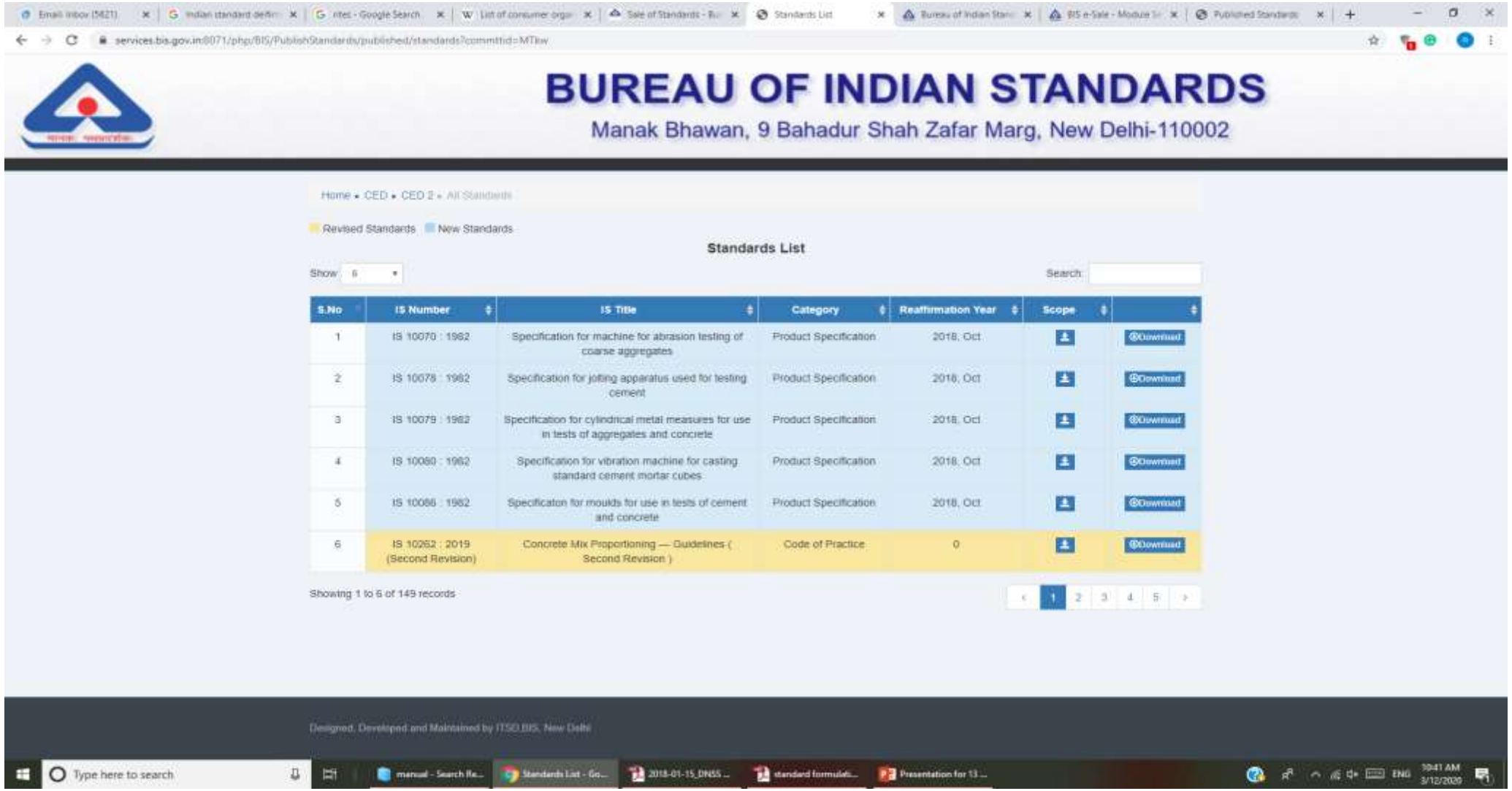
- https://www.manakonline.in

Locate Your Standard



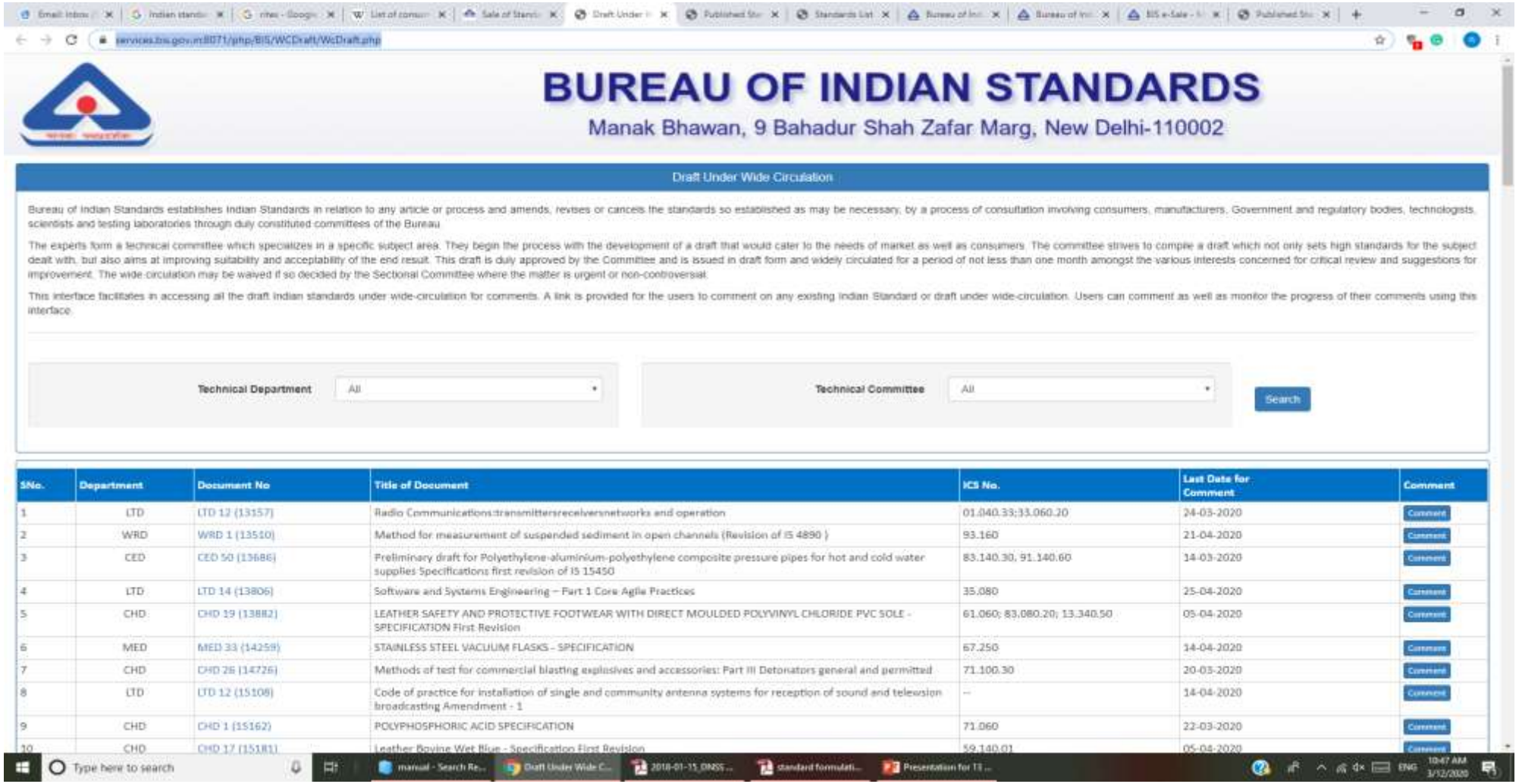
- https://www.services.bis.gov.in:8071/php/BIS/PublishStandards/published

Indian Standards Available Online (Free of Cost)



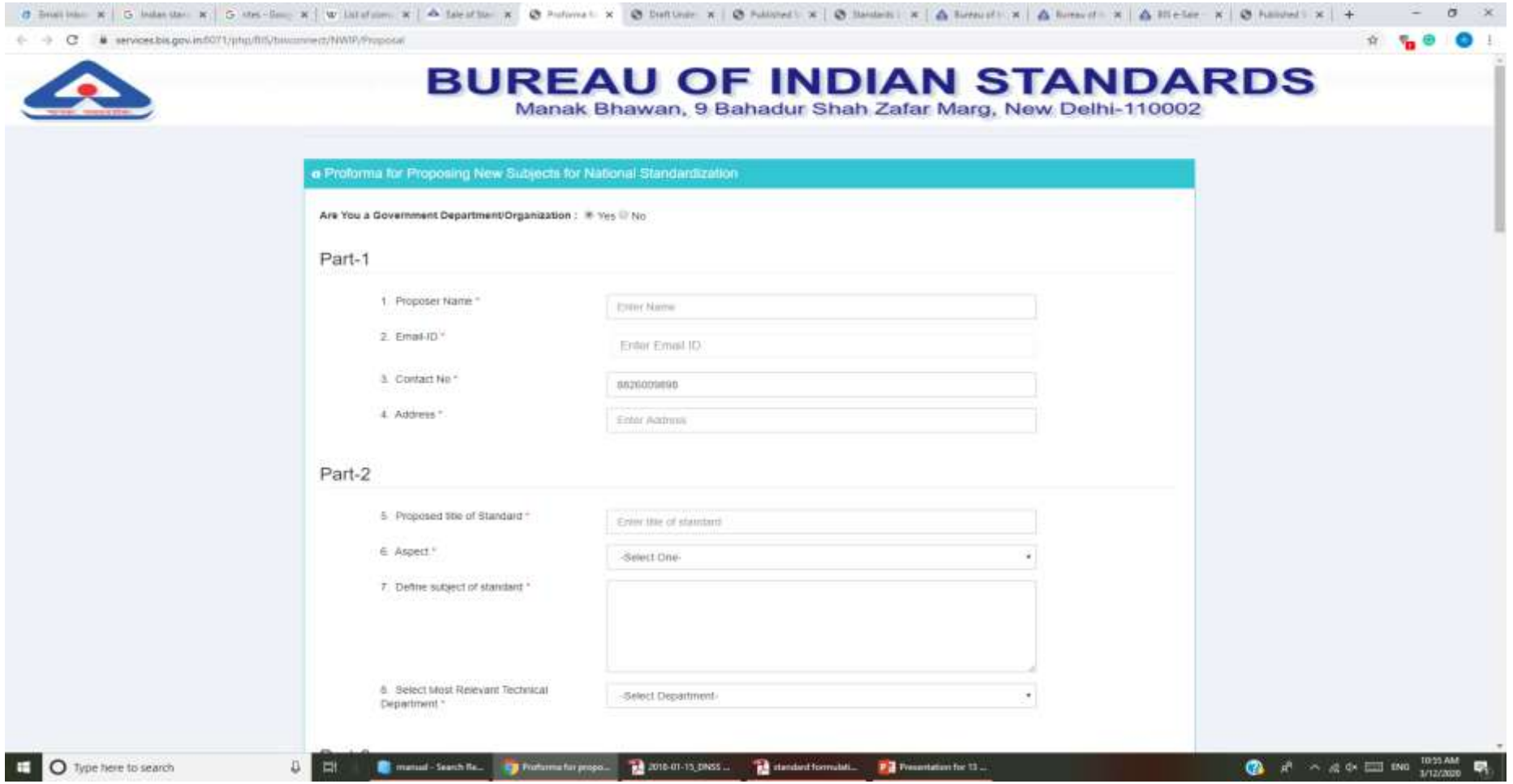
- https://www.services.bis.gov.in:8071/php/BIS/PublishStandards/published/standards?commttid=MTkw

Wide Circulation Drafts and Online Platform for Comments



- https://www.services.bis.gov.in:8071/php/BIS/WCDraft/WcDraft.php

Online Proforma for Proposal for New Subjects for National Standardization



- https://www.services.bis.gov.in:8071/php/BIS/bisconnect/NWIP/Proposal

Training Portal

Bureau of Indian Standards
The National Standards Body of India

LOGIN

Home | About NITS | Documents | Publications | Initiatives | FAQ | Contact Us

BIS launche

BIS Launches Certificate Course for Quality Control Personnel from 5 April 2021 at BIS Central Laboratory, Sahibabad(Delhi/NCR)

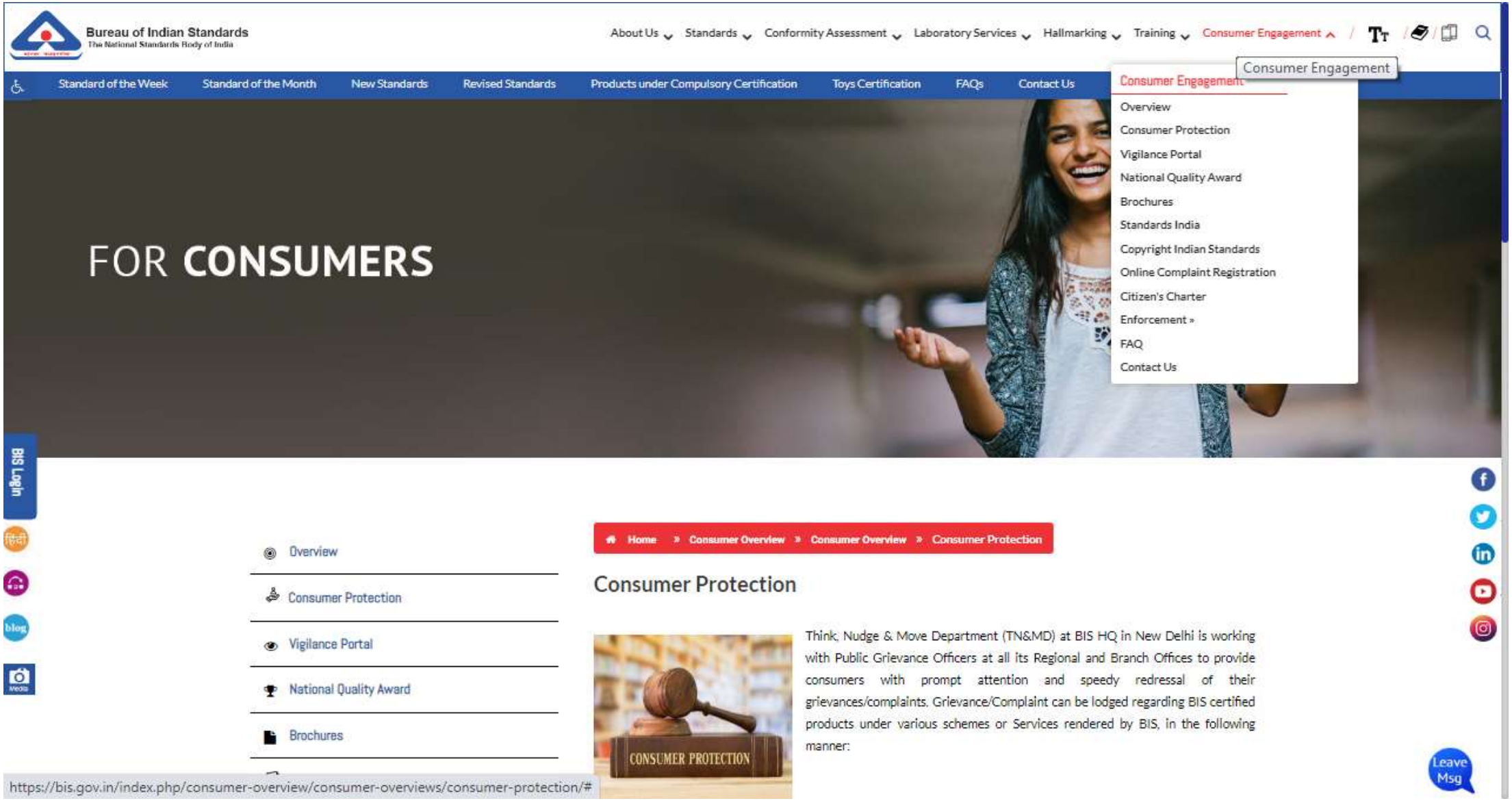
- Training Calendar
- Training Programmes Planned (Domestic)
- Training Programmes Conducted (Domestic)
- Proposals for New Programmes
- Faculty
- Fees
- Partnerships
- International Programmes
- Reference Materials

NEWS VIEW ALL

- 5-day Online Lead Auditor course on Environmental Management System as per IS/ISO 14001:2015 to be held during 13-17 September 2021
- 2-day Online Training Programme on Inter Lab Comparison/Proficiency Testing and Evaluation of Scores to be held during 9-10 September 2021
- 3-day Online Documentation, Awareness and Internal Audit on Integrated Management System as per "IS/ISO 9001:2015, IS/ISO 14001:2015 IS/ISO 45001:2018" to be held during 25-27 August, 2021
- "5 days ONLINE Lead Auditor

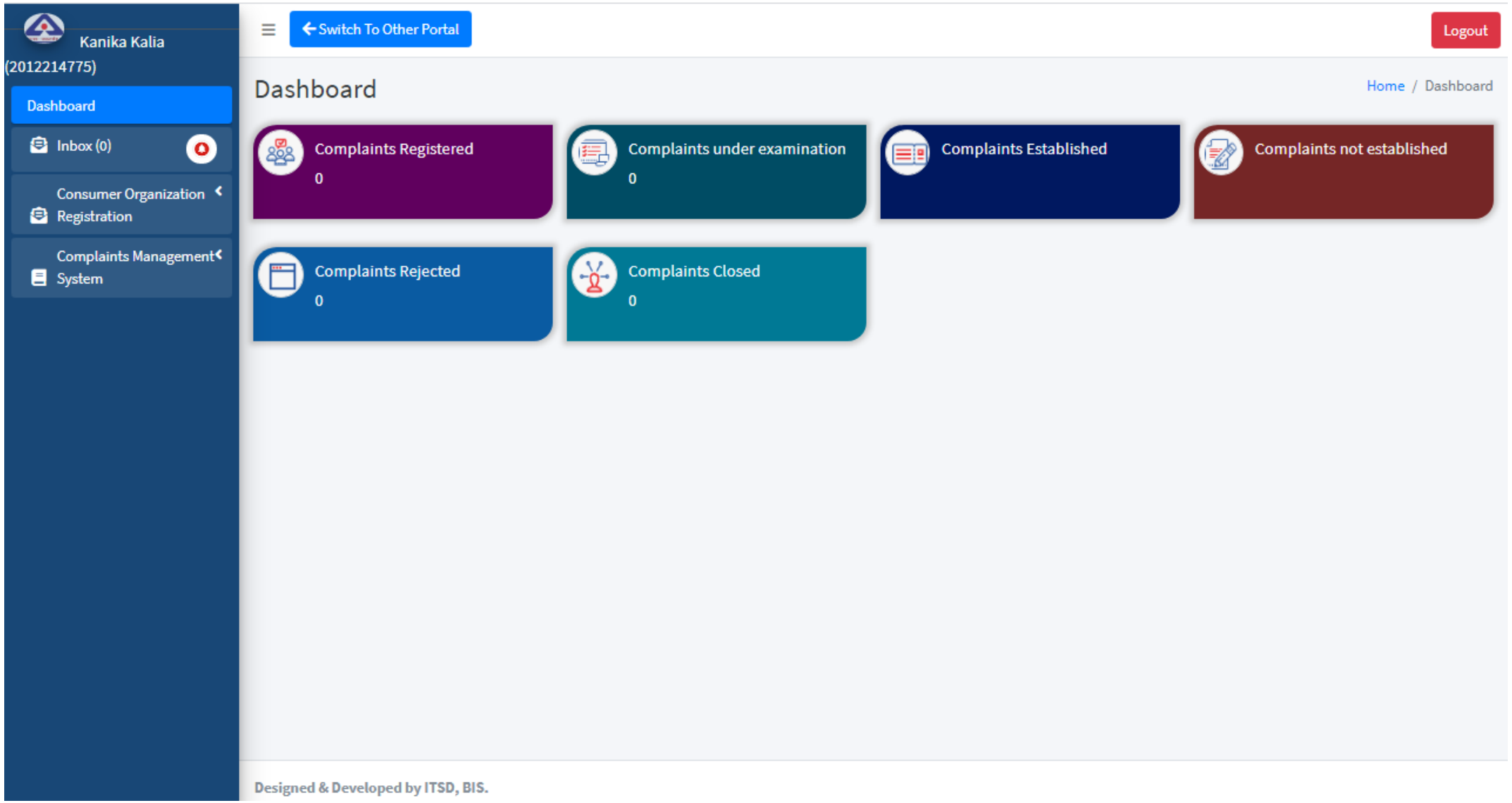
https://www.services.bis.gov.in:8071/trainings/dashboard/

Consumer Engagement Portal



- https://bis.gov.in/index.php/consumer-overview/

Online Complaint Registration Portal



- https://www.services.bis.gov.in:8071/php/BIS_2.0/

BISCARE APP

EMPOWERING THE
CONSUMERS AND THEIR VOICE!
KEY FEATURES :-
SEARCH AND VERIFY LICENCE DETAILS
REPORT MISUSE OF BIS STANDARD MARK
REPORT POOR QUALITY OF BIS CERTIFIED PRODUCTS
REPORT MISLEADING ADV. FOR BIS CERTIFIED PRODUCTS
#BISCaresForYou

“Standards Promotion”

Standards Promotion

01 Consumer Awareness Programmes

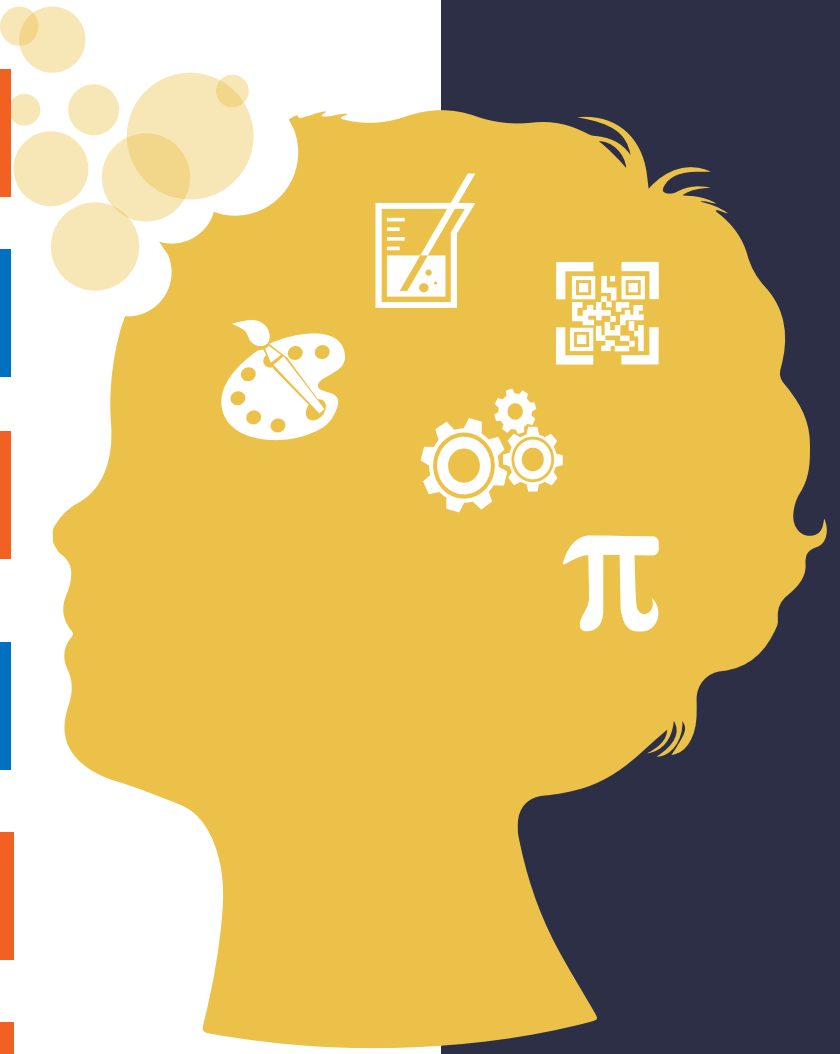
02 Industry Awareness Programmes

03 Educational Utilization of Standards

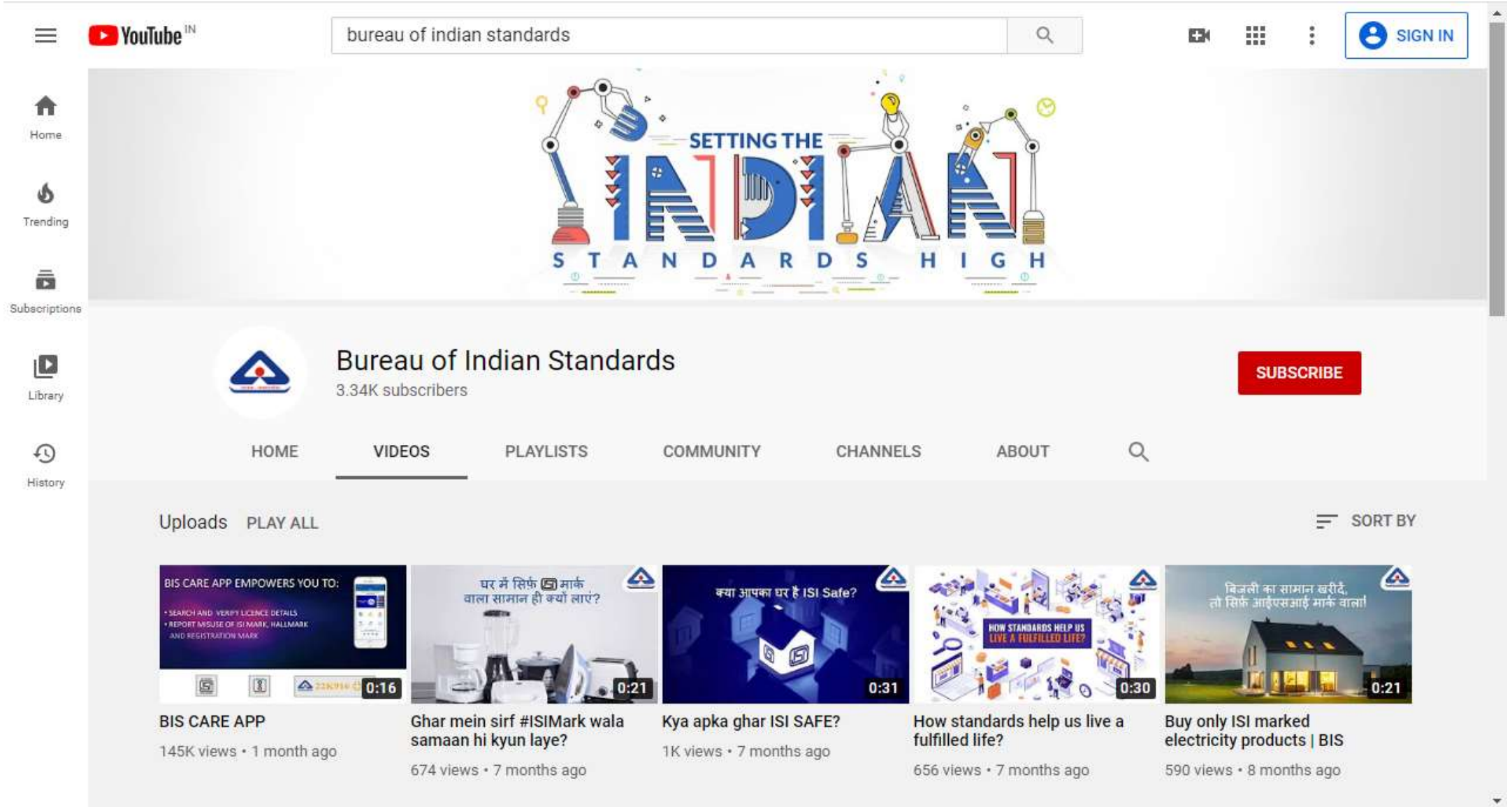
04 Seminars/Conferences

05 Social Media presence

06 Standards Clubs

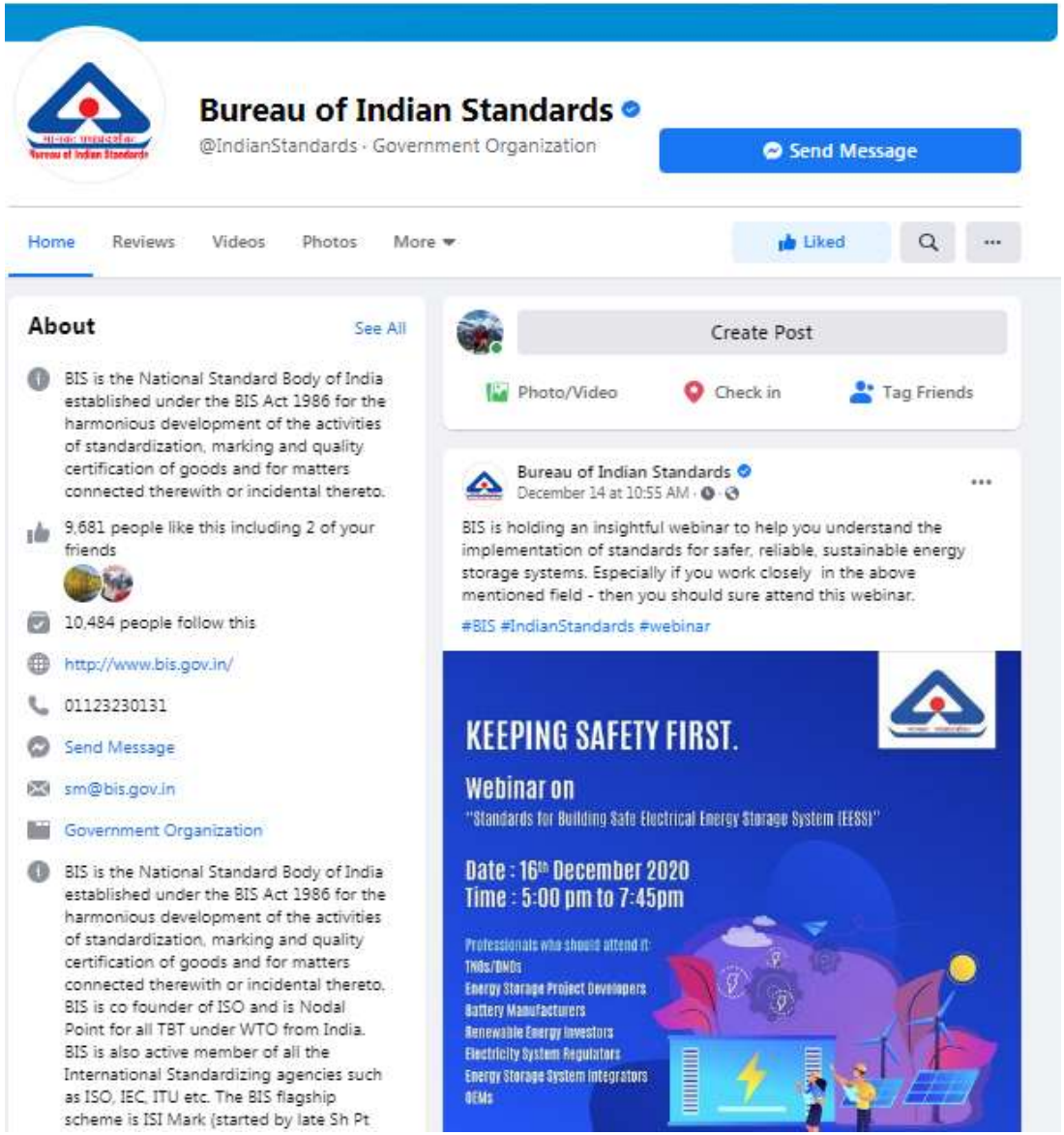


Social media presence



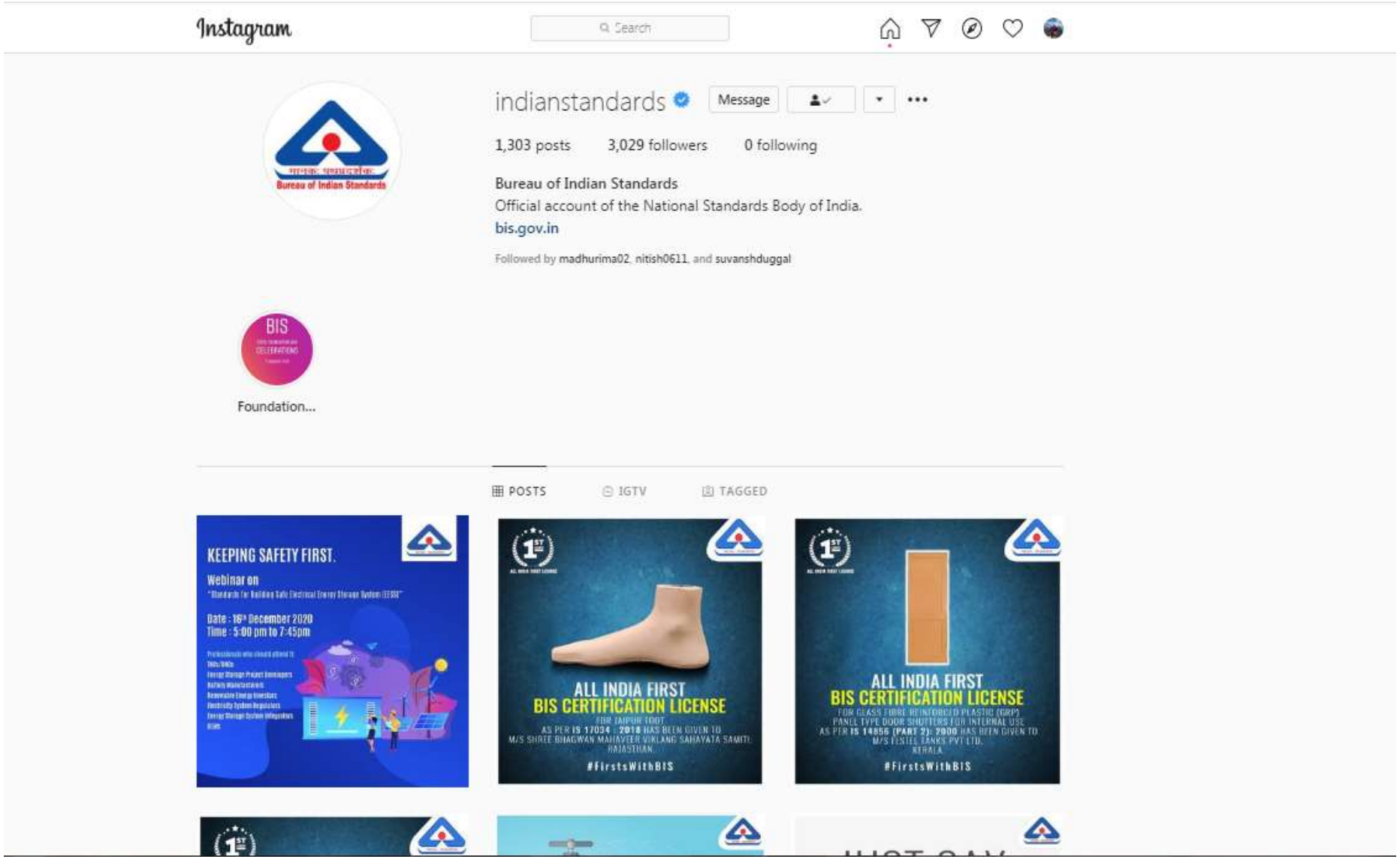
- https://www.youtube.com/c/BureauofIndianStandards/featured

Social media presence



- https://www.facebook.com/IndianStandards

Social media presence



- https://www.instagram.com/indianstandards/

Interactive posts on pertinent topics and with use of local language for greater outreach

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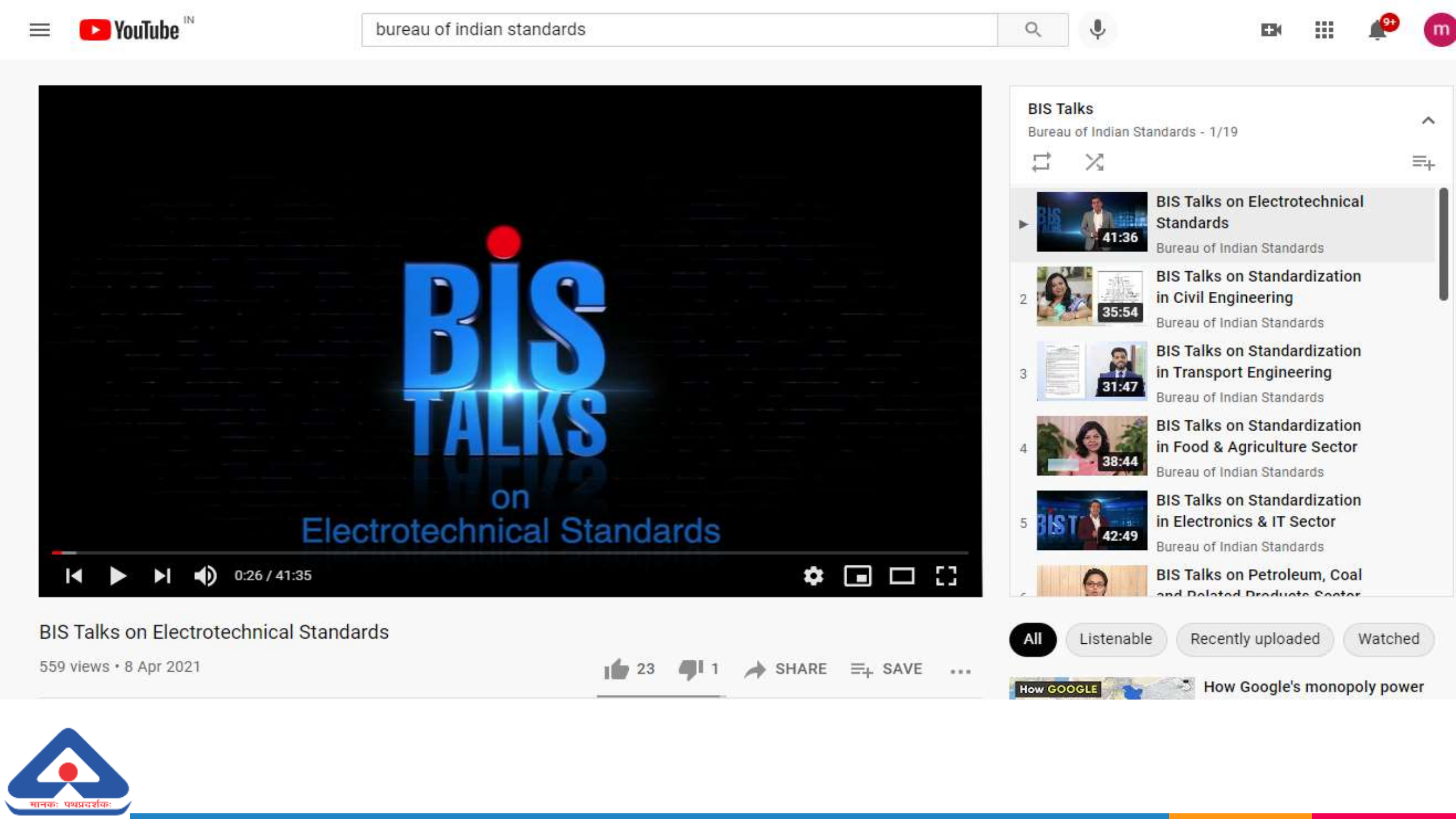
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Electrotechnical Standards
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BIS Talks on Electrotechnical Standards
Bureau of Indian Standards
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2
BIS Talks on Standardization in Civil Engineering
Bureau of Indian Standards
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3
BIS Talks on Standardization in Transport Engineering
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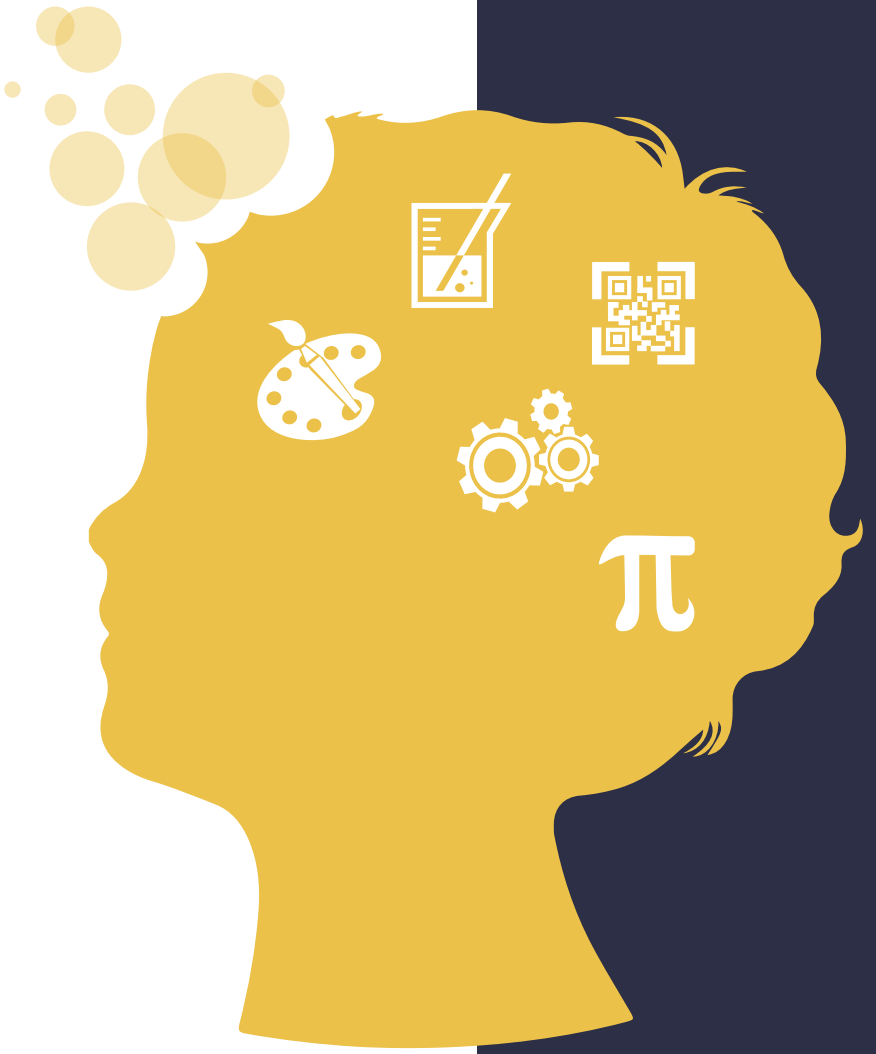
4
BIS Talks on Standardization in Food & Agriculture Sector
Bureau of Indian Standards
38:44
5
BIS Talks on Standardization in Electronics & IT Sector
Bureau of Indian Standards
42:49
BIS Talks on Petroleum, Coal
BIS Talks on Electrotechnical Standards
559 views • 8 Apr 2021
23
1
SHARE
SAVE
All
Listenable
Recently uploaded
Watched
How GOOGLE
How Google's monopoly power

Standards Clubs

- **Focused activity based training on standardization in specific subject areas is given to school/college students.**

- **Helps in understanding the nuances of standardization, conformity assessment and other BIS activities in detail.**



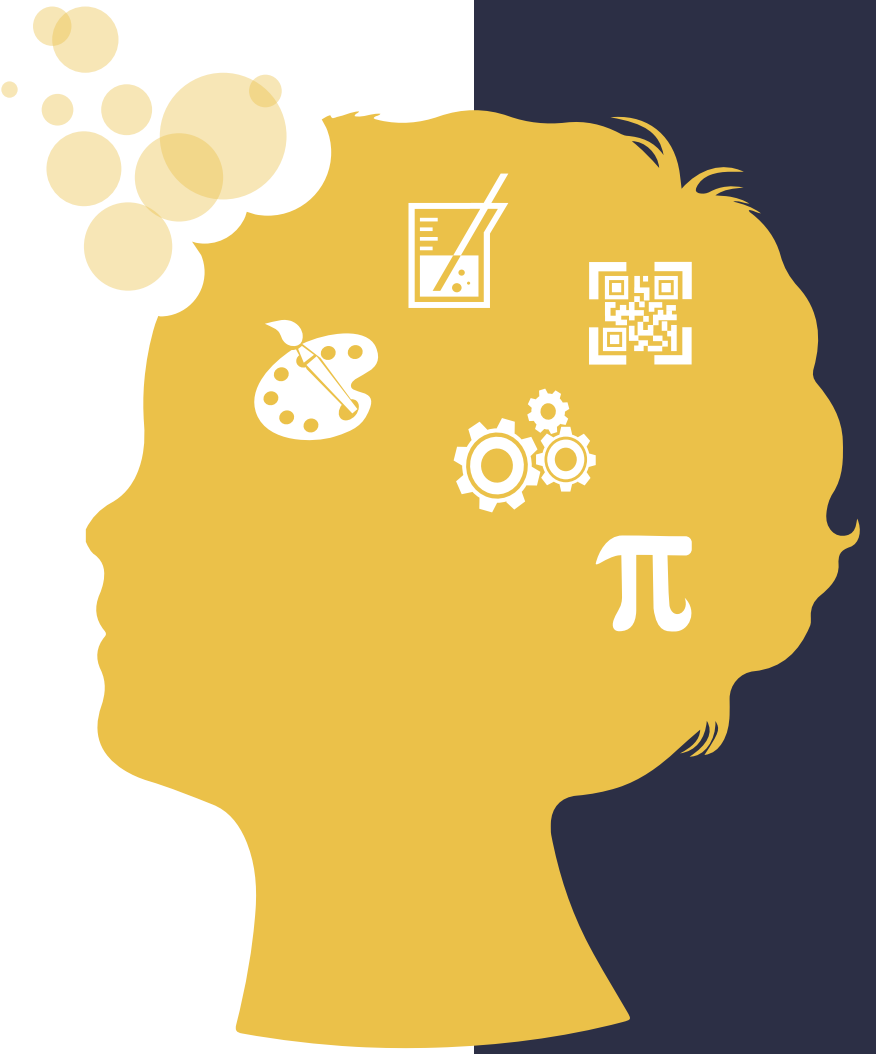
Composition of Standards Clubs

- **Mentor: Science Teacher for class IX to XII. Nominated for 2 years by principal. Can be renominated.**

- **Student Leader:**
- **Members: Minimum 15**

- **<u>Standards Clubs Core group</u>**

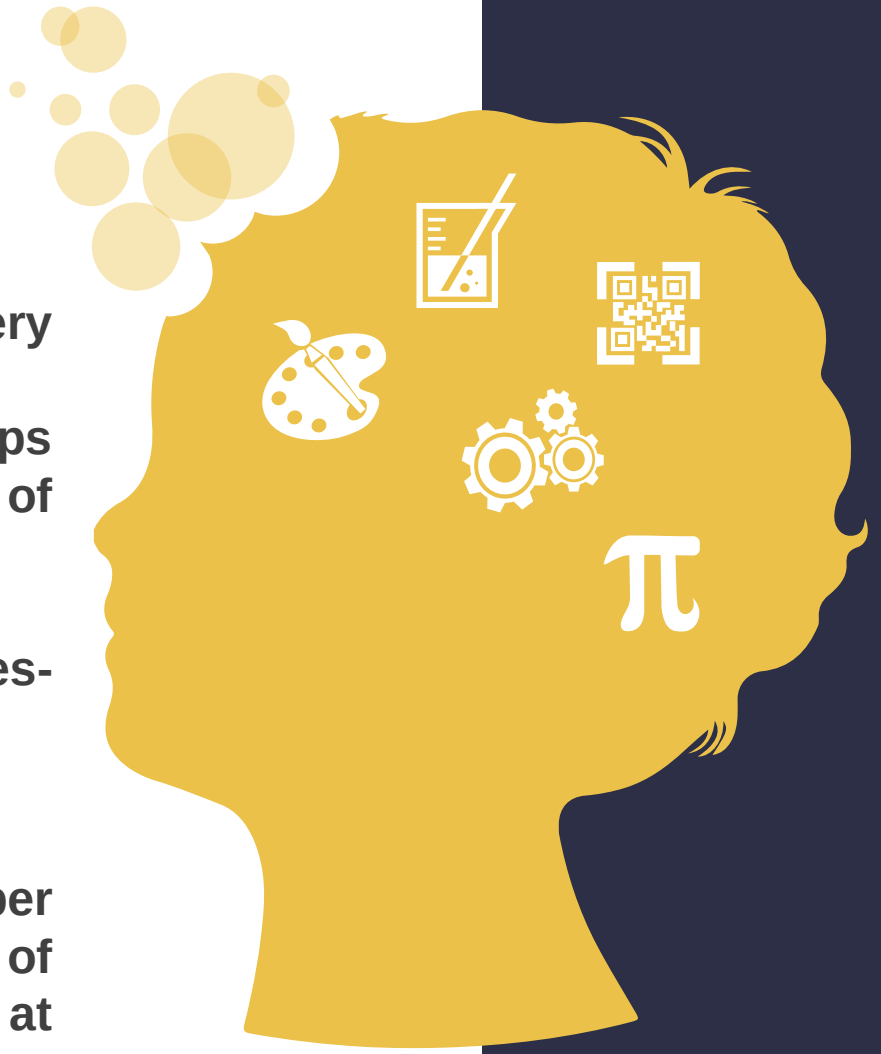
- **Mentor+leader+3 members**



Activities of Standards Clubs

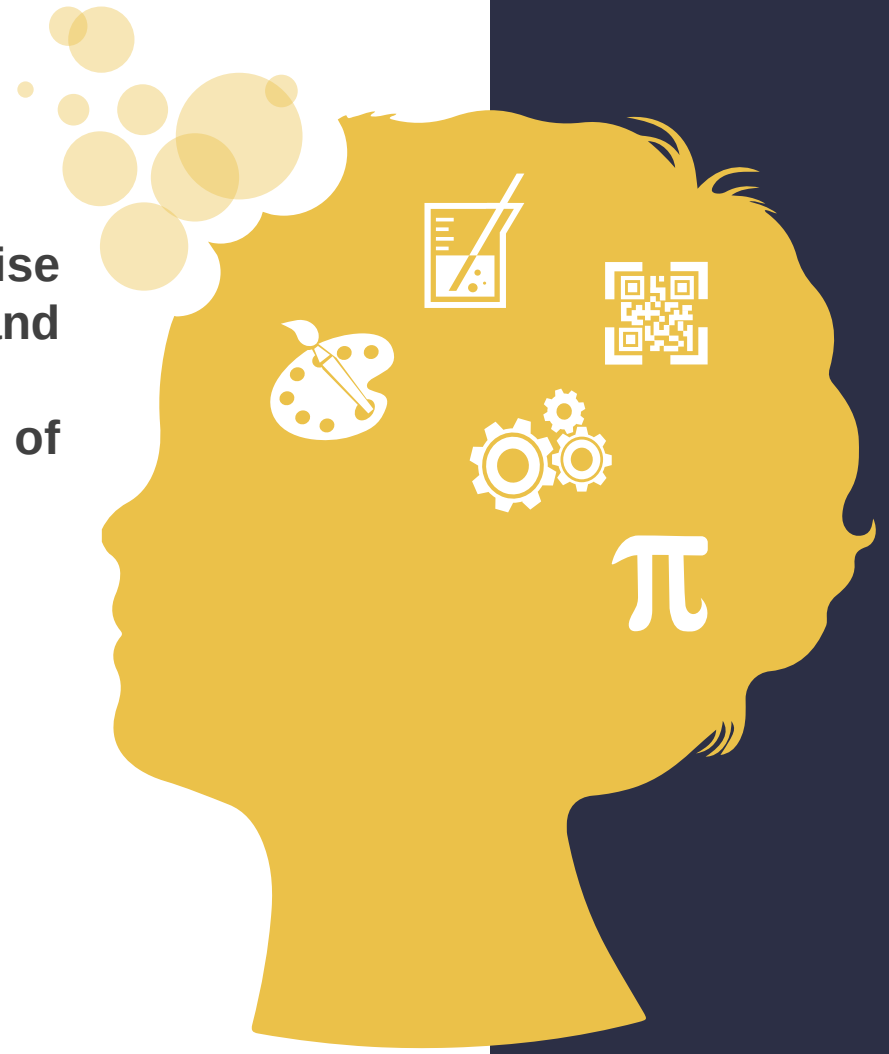
- Can be standalone or part of other programmes.
- Atleast 3 programmes to be organized every academic year with the following themes;
- Awareness programme- Seminars and workshops on Indian Standards and their role in the upliftment of the quality of life and economic development.
  - ✓ Standard writing competition.
  - ✓ Competitions on Standards and Quality issues- Quiz, Essay writing and Debate.

- Financial support from BIS is Rs. 10000/- per activity with Rs. 5000 given as advance. In case of physical training at NITS, AC 2 Tier ticket plus stay at NITS.



Requirements: Standards Clubs

- Expenditure statement indicating item-wise expenditure signed by mentor, student leader and Head of Institution
- Detailed activity report within 7 days of completion.



THANK YOU

www.bis.gov.in
www.manakonline.in, www.standardsbis.in