The Science gallery, Bengaluru: Thinking beyond science communication, January 30, 2019 (CSP)

New Economy for New India, February 4, 2019 (CSP)

Competing technological innovation systems: Insights from German: Energiewende, March 22, 2019 (CSP)

Data Science Symposium (DSS) 2018, 23 – 24 March 2018 (CDS)

Network Representation Learning, 30-06-2018 (CDS)

CDS Data Science Symposium (DSS), 23 – 24 March 2018 (CDS)

International Conference on Emerging Electronics (IEEE ICEE), Dec 16-19, 2018, (CeNSE)

Micro and Nano Fabrication and Characterization Symposium (MNFACS), July 11-12, 2018, (CeNSE)

INUP Hands on training, Feb 14-23, 2018, (CeNSE)

INUP Familiarization Workshop, March 14-16, 2018, (CeNSE)

INUP Hands on training, April 3-13, 2018, (CeNSE)

INUP Hands on training, May 15-25, 2018, (CeNSE)

National Symposium on Nano Science and Technology June 20-22, 2018, (CeNSE)

INUP Hands on training, July 16-26, 2018, (CeNSE)

INUP Hands on training, Aug 27-Sep 5, 2018, (CeNSE)

INUP Familiarization Workshop, Sept 10-12, 2018, (CeNSE)

INUP Familiarization Workshop, Oct 25-26, 2018, (CeNSE)

INUP Hands on training Nov 26-Dec 6, 2018, (CeNSE)

ThermaComp2018, Fifth International Conference on COMPUTATIONAL METHODS FOR THERMAL PROBLEMS, July 9-11, 2018 (ICER)

Joint International Symposium on Energy Science between Kyoto University and Indian Institute of Science, December 3-5th 2018 (ICER)

Workshop on Hydrological Outlook, June 04-05, 2018 (ICWaR)

International Workshop on Urban Floods, June 27-29, 2018 (ICWaR)

Project Meet on Coupled Human and Natural System Environment (CHANSE) for water management under uncertainty in the Indo-Gangentic plain, September 12-14, 2018 (ICWaR)

Project Meet on Accompanying the Adaptation of Irrigated Agriculture to Climate CHAnge (ATCHA), November 26 - December 1, 2018 (ICWaR)

Advisory Committee Meeting on "Urban Floods Model for Bangalore City", February 12, 2019 (ICWaR)

Project Meet on Upscaling Catchment Processes for Sustainable Water Management in Peninsular India (UPSCAPE), March 12-14, 2019 (ICWaR)

"Effects of Urban Development on Streamflow", by Dr. Aditi Bhaskar, Department of Civil and Environmental Engineering, Colorado State University, January 1, 2019 (ICWaR)

"Reforming Water Governance: Philosophy, Hydrology and Institutional Analysis", by Dr.

Sharachchandra Lele, Ashoka Trust for Research in Ecology and the Environment (ATREE) Bangalore, February 20, 2019 (ICWaR)

"Challenges for City Scale Multi-Sensor Analytics" by Prof. Bharadwaj Amrutur, IISc, March 29, 2019 (ICWaR)

"Impact of Climate Change on Water Quality for Ganga River", by Ms. Sneha Santy, October 31, 2019 (ICWaR)

"Spatio-Temporal Variations of Runoff and Baseflow Components using Isotopic Methods", by Mr. Siva Naga Venkat Nara, November 28, 2018 (ICWaR)

"Monsoon Low Pressure Systems and Stochastic Risk Analysis", by Ms. Tresa Mary Thomas, January 30, 2019 (ICWaR)

"Modelling of Membrane Bioreactors: Hydrodynamic and Biokinetic Models", by Ms. Reshma Mohan T., March 6, 2019 (ICWaR)

Bootcamp on SahasraT. September 7-8, 2019 (SERC)

Parallel File System and I/O Strategies on SERC Supercomputer. October 25-26, 2019 (SERC)

Deep Learning with NVIDIA DGX-1. January 17, 2019 (SERC)

SERConnect Workshop. March 29, 2019 (SERC)

Short Two-day Course on High Performance Computing. February 15-16, 2019 (SERC)

MECHANICAL SCIENCES

Symposium on Classical to Computational Aeroelasticity, 10-09-2018 (AE)

IEEE Symposium Series on Computational Intelligence, 21-11-2018 (AE)

IEEE Computational Intelligence on Security, Defence Applications, 18-11-2018 (AE)

Session: SD-05, Dewey70: Asymptotic Analysis: Special Session in Structural Dynamics, 56th AIAA/ ASME/ASCE/AHS/ASC Aerospace Sciences Meeting, AIAA Science and Technology Forum and Exposition 2018 (AIAA SciTech 2016), Jan 8-12, 2018 (AE)

Session: SD-07, Dewey70: Dynamics: Special Session in Structural Dynamics, 56th AIAA/ASME/ASCE/AHS/ASC Aerospace Sciences Meeting, AIAA Science and Technology Forum and Exposition 2018 (AIAA SciTech 2016), Jan 8-12, 2018 (AE)

Session: SD-09, Dewey70: Aeroelasticity: Special Session in Structural Dynamics, 56th AIAA/ASME/ASCE/AHS/ASC Aerospace Sciences Meeting, AIAA Science and Technology Forum and Exposition 2018 (AIAA SciTech 2016), Jan 8 -12, 2018 (AE)

American Helicopter Society (AHS) Internationals 7th Asian-Australian Rotorcraft Forum (ARF)

Theme: Gearing up to Compound Rotorcraft for the Future, Jeju Island, South Korea, Oct 30 - Nov 1, 2018 (AE)

Control Systems Engineering, 23-28 July 2018 (AE, EE, RBCCPS)

Applied Optimal Control and State Estimation, 02-06 July 2018 (AE, CCE)

Recent Advances in Hypersonic and Shock Wave Research, 20-07-2019 (AE)

Symposium on Classical to Computational Aeroelasticity, September 10 -12, 2018 (AE)

Lecture Series - Modeling of Dynamic Failure of Materials, October 23, 25, 30, 2018 (AE)

Distinguished Seminars under Aerospace Division India Center of IMechE, December 15, 2018 (AE)

A Short Course on Missile Technology and Guidance, 09-04-2018 (AE)

Classical to Computation Aeroelasticity, 10-09-2018 (AE)

AeSI CFD Symposium, 10-112018 (AE)

UAVs for Agriculture, 23-01-2018 (AE)

National Roundtable Discussion on Geoengineering and India: Science and Policy, 26 July 2018 (CAOS)

ITEC Climate Change Training Program, 12 November 2018 (DCCC and CAOS)

BOBBLE-SWAAMI-INCOMPASS Joint Workshop, 24 July 2018 (CAOS and DCCC)

Chemistry of Indian Rivers Workshop, 09-02-2018 (CEaS, CAOS)

Basic Hydrology, 16-07-2018 (Civil)

Remote Sensing & GIS Applications for Water Resources Management, 30-07-2018 (Civil)

Soil Physics with Python, 23 - 27 April 2018 (Civil)

Nonlinear Time series Analysis with R, 30 April - 4 May 2018 (Civil)

Introduction to linear finite element analysis, 9 -13 July 2018 (Civil)

Geomechanics and Geoengineering, 07-05-2018 (Civil)

International Workshop on Urban Floods, 27-06-2018 (ICWaR &DCCC)

Indo-UK Workshop on Hydrological Outlook, 04-06-2018 (ICWaR)

Training Program on Basic Hydrology, 16-07-2018 (CCE)

Monsoon School on Urban Floods, 02-07-2018 (Civil)

IGC-2018, 13-12-2018 (Civil)

ISSMGE TC-207 Workshop, 12-12-2018 (Civil)

Geomechanics and Geoengineering, 07-05-2018 (Civil)

Introduction to Linear FE analysis, 09-07-2018 (Civil)

CLIMATRANS Project Dissemination Workshop, 10-04-2018 (Civil)

WCTRS Joint SIG: H1-H2-G5 Seminar, 18-05-2018 (Civil)

AITD 5-Day Road Safety Training Programme for Field Engineers, 03-12-2018 (Civil)

QIP Short-term course, 17-12-2018 (Civil)

International Symposium on Earthen Structures (ISES 2018), 22-08-2018 (CST, CiE, Universisty fo Bath UK)

13th workshop on Low carbon materials and building systems, 19-02-2018 (CST, CiE & KSCST)

ISLT Conference 2018 Honai, 26-09-2018 (Civil)

Training program on Remote Sensing and GIS applications for Water Resources Management, 30-07-2018 (Civil)

Training program on Basic Hydrology", 16-07-2018 (Civil)

Recent Advances in Geotechnical Earthquake Engineering, Manipal University, Jaipur, 15-02-2019 (Civil)

Recent Advances in Geotechnical Earthquake Engineering, Manipal University, Jaipur, 10-09-2018 (Civil)

Geotechnical Earthquake Hazard, Risk and Mitigation: Theory and Practice, Amritha Vishwa Vidyapeetham, 23-01-2018 (Civil)

Workshop on Coastal Reservoirs, University of Wollongong Australia, 23-01-2018 (Civil)

Earthquake Geotechnical Engineering, 18-02-2019 (Civil)

IFToMM Asian Mechanism and Machine Science, 01-07-2018 (Mechanical Engineering)

JAIST-IISc Symposium, 05-03-2019 (CPDM, Mat E, Mech E, CST, DoMS)

7th International Conference on Research into Design (ICoRD'19), 9-11 January 2019 (CPDM)

IISc-Brunel Workshop on Plastics in Society, 30-03-2019 (CPDM, CST, IPC)

Workshop on Design Thinking for Schoolchildren, 10-07-1905 (CPDM)

Workshop on Design Thinking for HAL Employees, 10-07-1905 (CPDM)

Workshop on Design Thinking for Ashok Leyland Leadership, 10-07-1905 (CPDM)

Visit of School Children/participants of NATIONAL SCIENCE SEMINAR 2018 to the Smart Factory of IISc. National Science Seminar topic was Industrial Rev 4.0, 10-07-1905 (CPDM)

Training Program—Ashok Leyland 20 Participants, May-Oct 2018 (CPDM and

other departments)

IISc Industry 4.0 Workshops-"OPC UA -Platform enabler for Smart Manufacturing for MSMEs", 18-01-2018 (CPDM)

Advanced Manufacturing for DRDO scientists, 4-8 March 2018 (CPDM)

ReimagineWaste 3, 1,2,8,9 Sept 2018 (CPDM)

DIC-NDIN Design for Children Summer Internship programme for training on formal product design process, May-July 2018 (CPDM)

Science Experiment Demonstrations. Kids Zone, IISc Open Day, 22-03-2019 (CPDM)

DIC-NDIN Design for Children Workshop, 26-06-2019 (CPDM)

TIME 2 LEAP Summit: A Workshop for Visionary Industry Leaders, 24 November & 15 December 2018 (CPDM, SID)

Himalayan cryosphere Program, 24th April 2018 (DCCC)

Training Program on glacier studies and remote sensing,

4th-14th June 2018 (DCCC)

Workshop on Naturally occurring pollutants affecting water quality in India, 20th-21st June 2018 (DCCC)

Workshop on Urban Floods, 27th-29th June 2018 (DCCC)

Workshop on data tools and resilience, 13th-14th August 2018 (DCCC)

Climate and Environment Science Quiz - 11th September 2018 (DCCC)

14th Jeremy Grantham Lecture on Climate Change "Climate Change and Global Food Production", 9th November 2018 (DCCC)

ITEC course on Climate Change and Environment, 12th-26th November 2018 (DCCC)

Workshop on Climate Change A meeting of young Scientists in Central and South Asian Region, 5th-7th December 2018 (DCCC)

"Science Writing", 3rd-10th February 2019 (DCCC)

ICAAICON, 14th-17th February 2019 (DCCC)

Dialogue on Air pollution and Health, 28th March 2019 (DCCC)

Lecture in Continuing Education Programmes, 06/10/2018 (ME, MT)

ICEE 2018 Conference, 16-12-2018 (CeNSE, PHY, EC, MT)

NPTEL course - Introduction to Ironmaking, 01-02-2018 (MT)

Workshop and Training Program on Natural / CO 2 Refrigeration Systems for Supermarket and Other Applications, 5-6th October 2018 (ME)

National Conference on Multidisciplinary Design, Analysis, and Optimization 2018, 23-03-2018 (ME)

5th Asian Mechanisms and Machine Science Conference, 18-12-2018 (ME)

GIAN course on ATOMIZATION AND SPRAYS IN GAS TURBINE APPLICATIONS (ME)

Second International Conference on Sustainable Energy and Environmental Challenges, December 31-January 3rd, 2018, IISc-Bangalore (ME)

QIP Short Term course on computational fluid dynamics, 06-08-2018 (ME)

Fifth International Conference on Computational Methods for Thermal Problems

(THERMACOMP2018), 09-07-2018 (ICER, ME, AE)

QIP: Short Term Course on "Internal Combustion Engines" for the Engineering Faculties, 03-02-2019 (ME)

Mechanics of Advanced Manufacturing Processes: Cutting, Forming and Tribology, 05-06-2018 (ME)

Thermacomp, 09-Jul-18 (ME, ICER)

PHYSICAL AND MATHEMATICAL SCIENCES

CHEP In house symposium, IISc, 1-2 Feb 2018 (CHEP)

Is SUSY still the best bunker to hide in, in light of experimental data, IISc, 9 May 2018 (CHEP)

The 7th International Conference on New Frontiers in Physics (ICNFP 2018), Kolymbari, Greece 4-12 July 2018 (CHEP)

The 27th International Workshop on Vertex Detectors (VERTEX 2018), Chennai, 21-26 Oct 2018 (CHEP)

Chetana High School Student Outreach Programme for Girls, IISc, 23 Oct 2018 (CHEP)

Indo-French CEFIPRA INFRE-HEPNET and LIA THEP Meeting, IISER-Pune, 25- 28 Feb 2018 (CHEP)

International Symposium on Multiparticle Dynamics (ISMD 2018), NUS-NTU, Singapore, 3-7 Sep 2018 (CHEP)

The CMS Heavy Flavour Tagging workshop, VUB Brussels, 11-13 April 2018 (CHEP)

Asian Mechanism and Machine Science Conference, 17th Dec 2018 (IAP along with ME)

National Symposium on Instrumentation – 41, 13th July 2018, (IAP)

The third Indo-Russian meeting in probability and statistics, 8-12 January (MA)

NCM Instructional School for Teachers, 23-07-2018 (MA)

Instructional School for Teachers (IST) program of NCM, May 14-26, 2018 (MA)

Instructional School for Teachers (IST) program of NCM, 24-04-2018 (MA)

Academy workshop on Essence of Partial Differential equations, March 20-22, 2018. (MA)

Academy Discussion Meeting on Teaching of Differential Equations in India, 26 - 28th of February 2018. (MA)

Formal Power Series and Algebraic Combinatorics (FPSAC), 2018: Dartmouth College, Hanover, USA, Jul 16-20, 2018 (MA)

Surface Group Representations and Projective Structures, 10-12-2018 (MA)

Advanced Instructional School on Several Complex Variables, 11-06-2018 (MA)

Bubbles Big & Small, 11-06-2018 to 14-06-2018 (PHY-IISc, RRI)

Frontiers in 21 cm Cosmology, 10-12-2018 to 18-12-2018 (IIA, SKA-India)

Conference on Plasma Simulation, 18-01-2018 (PHY)

Accelerator based photon sources as a versatile tool to probe matter: Present scope and outlook, 27-03-2018 (SSCU-IISc)

Indian Statistical Physics Community Meeting, 16-02-2018 (PHY)

Thermoelectric Materials and its Applications, 04-06-2018 (CCE)

Integrable systems in Mathematics, Condensed Matter and Statistical Physics, 16-07-2018

(International Centre for Theoretical Sciences, Bangalore)

Driven Quantum Systems, 19-02-2018 (IACS, Kolkata)

ICMAGMA, 19-12-2018 (NISER, Bhubaneswar)

APS March Meeting, 05-03-2018 (APS, USA)

Exploring the Universe: Near Earth Space Science to Extra-Galactic Astronomy, 14-17 November (IISc-PHY, S. N. Bose National Centre for Basic Sciences, TIFR)

Bubbles Big and Small, 11-06-2018 (PHY, RRI)

Stochastic Thermodynamics, Active Matter and Driven Systems, 07 August 2017 to 11 August 2017 (PHY, ICTS-TIFR and JNCASR))

Galaxy Evolution and Dynamical studies, 22-24-01-2018 (PHY- IISc; IUCAA, Pune)

CENTRES UNDER THE DIRECTOR

In collaboration with M/S Springer Nature, an author workshop was organized for the benefit of students and faculty members of IISc, 24th May 2018 (LIB)

Dr. T B Rajashekar's Memorial Lecture Series was organized in association with NCSI-Net Foundation on "Contemporary Tools & Techniques for Effective Library Management" by Mr. B.P. Prakash (Global Head - Information Resource Centre at Tata Consultancy Services, Pune) at IISc, 25th May 2018 (LIB)

J.R.D. Tata Memorial Library, IISc. in collaboration with the Karnataka State Library Association (KALA) organised a plenary talk on "Innovations in academic libraries: an Indian perspective" by Dr. H. Anil Kumar, Librarian, Indian Institute of Management Ahmedabad. The talk was followed by a panel discussion on "Innovations in Libraries". It was moderated by Mr. N.V. Sathyanarayana, Chairman & Managing Director, Informatics (India) Limited, Bengaluru. The event was held on 8th June 2018 at Choksi Hall (LIB)

In collaboration with M/S Wiley Publishing, an author workshop on "Structuring your Manuscript to Impress SCI Journal Editors" was organized for the benefit of students and faculty members of IISc. Mr. Yateendra Joshi, Academic Publication Trainer conducted the workshop on 22nd June 2018 at the SERC Auditorium, IISc (LIB)

In collaboration with M/S IOP Publishing, an author workshop on 'Choosing a Journal and tips for writing a scientific paper' was organized for the benefit of students and faculty members of IISc. Dr. David Boyt and Dr. Jennifer Sanders from IOP conducted the workshop on 5th September 2018 at the SERC Auditorium, IISc (LIB)

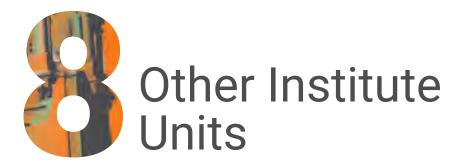
In collaboration with M/S Wiley Publishing, an author workshop series on "Structuring your Manuscript to Impress SCI Journal Editors" was organized for the benefit of students and faculty members of IISc. Mr. Yateendra Joshi, Academic Publication Trainer conducted the workshop on "Selecting a journal and preparing a great submission package" which was held on 20th September 2018 at the SERC Auditorium, IISc (LIB)

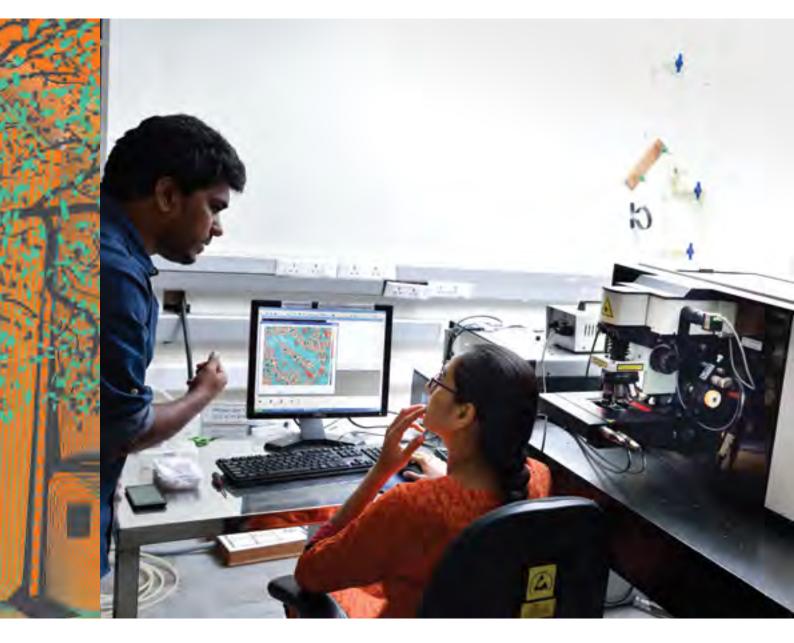
As part of International Open Access week, JRDTML in collaboration with DST-Centre for Policy Research IISc, National Institute of Advanced Studies (NIAS), Karnataka State Library Association (KALA) and Science Policy Group (SPG) and International Scientific and Technological Education Program (i-STEP) organised Panel Discussion on 'Equitable Access to Knowledge' at Faculty Hall, IISc on 23rd October 2018 (LIB)

As part of International Open Access week, JRDTML in collaboration with DST Centre for Policy Research IISc and Karnataka State Library Association, organised a Discussion Forum on "Global Equity, Libraries and Open Access" on 26th October 2018 at SERC Auditorium (LIB)

As part of National Library Week, JRDTML in collaboration with Karnataka State Library Association (KALA) organised a special talk on "Digital Learning". Dr. P Umanand, Coordinator, NPTEL spoke on the ocassion held on 20th November 2018 at JRDTML Lecture Hall (LIB)







8.1 CCMD

Estate Management is done by the Centre for Campus management. Which look after maintenance of all the buildings, infrastructural needs, electrical requirements, and construction of new buildings, maintenance of water supply, sanitation and maintenance of roads. The overall improvements in the campus maintenance also come under the purview of Centre for campus management (CCMD).

CCMD takes care of Main building, residential quarters, Departments, Guest House, Hostels, Mess, Gymkhana, Health Centre, Faculty club. Tata Memorial club and all central Amenities – such as Restaurants, etc.

Electrical breakdown, Generators, Transformers, High Tension Wires, Low Tension Wires, Water supply and sanitation are addressed within 24 hours.

CCMD also look after the Sewage Treatment Plant (STP), which recycle the sewage water. This Recycled water is used for gardens and flush tanks.

24 hours Maintenance and Service Centre is available along with staff to attend minor complaints. During the year 2018-19, the works completed, work in progress and new initiatives are as follows:

Works completed from April 1, 2018 to March 31,2019

SI.No.	Description of Works	Cost (Rs.in lakhs)	Area in Sq.Mtrs.
1	construction of new Animal facilities building to CAF department	589.55	3794.00
2	Proposed extension to second floor of Aerospace Engineering Department building, IISc		
3	Supply, Erection, Testing and Commissioning of 11kv underground cable Ring Main including 2 nos. compact substations at Chemical Science (1250kVA) and E-Type Quarters (500kVA), extension of existing 11kV Switchgear Panel at 66kV MUSS by adding 4 Nos. of 11kV VCB Panels, Replacement of existing 11kV Load Break Switch Unit by adding 1 no. of 11kV Compact RMU at SS-14, Addition of 1 no. of 11/0.415kV, 1.0mva Transformer and Extension of 415V Panel by Adding 3 nos. of 415V panel at Physical Science and associated 11kV BUSDUCT, 11kV & 415V cabling work including all Civil Works at IISc campus	443.59	-
4	Supply, erection, testing and commissioning of 2 Nos. of 2000KVA – 11KV D.G.Sets	447.60	-
5	Supply, Installation and Commissioning of LED Streetlights and LED Indoor Lights at Various Places in Indian institute of Science Campus, Bangalore	138.16	-
6	Design, Supply, Installation, Testing and Commissioning of 279 KWp Roof Top Grid connected Solar PV Panel Plant at Indian institute of Science	192.90	-
7	Renovation of 24 Rooms in Main Guest House at IISc	51.93	-

0	Construction of Additional Floor at Department of	121.33	
0	Mathematics Building at IISc., Bangalore	121.33	-
	Construction of an Auditorium in the second floor in the		
9	Department of Instrumentation and Applied Physics	49.13	-
	at IISc		

Works in-Progress during the year 2018-19

Sl.No.	Description of Works	Cost (Rs.in lakhs)	Area in Sq.Mtrs.
1	Construction & renovation of centre for Neuroscience in old TIFR Building, IISc	626.64	2692.00
2	Construction of new Hydraulics building for Civil Engineering Department	823.65	4875.00
3	Construction of Utility block at New Animals Facility Building at IISc	183.66	-
4	Providing Concrete Road, Up gradation of Main Gate, Compound Wall and other Allied Works at IISc	62.50	-
5	Construction of 500 Room Ladies Hostel building at IISc	5209.33	-
6	Construction of Sidewalk with drain along Gulmohar, Tala and Madhura Marg at IISc	381.54	-
7	Exterior Painting including Lobby and Staircase Area of Block 1 to 10 of NNE 60 and NE/ND Quarters at New Housing Colony, IISc	49.48	-

New Works Commenced during the year 2018-19

SI.No.	Description of Works	Cost (Rs.in lakhs)	Area in Sq.Mtrs.
1	Work of Construction, Supply, erection, testing and commissioning of 100 KLD capacity combined sewage/ effluent treatment plant (CSETP) at Chemical science building, IISc, Bangalore, including Comprehen- sive operation and maintenance of CSETP for the period of 3 years after defect liability period of 1 year	184.15	
2	Re-surfacing the existing damaged bituminous roads at IISc and Vignanpura Campus, Bangalore	129.56	
3	Renovation of Bungalow - 5 at IISc	184.70	
4	Provision of Smart Pumping Station and Water Management System	506.84	
5	Conversion of Existing 66 KV Overhead Line to Underground Cable at IISc campus	2167.61	
6	Replacement of existing Air Conditioning Plant with CFC HVAC at Main Building, IISc.25,66,990	22.05	

7	Electrical Upgradation of Sub-station for LT (SS-10) at IISc	37.75	
8	Renovation of Unit-IA at Main Building at IISc.	29.29	
9	Repairs to Existing Mangalore Tiled Road, Painting works and other allied works at the Contemporary Studies Building, IISc	26.34	
10	Exterior Painting and other allied works at Vignanapura campus, IISc	23.63	
11	Providing Painting, Water Proofing and other Allied works for KRVH Qtrs, at IISc	17.09	
12	Providing vitrified tiles, Renovation of rest room and other allied works at J R D Tata Memorial Library, IISc, Bangalore.	41.80	
13	Construction of CPDM Annex Building and Renovation work for Existing Building at IISc,	2189.50	

8.2 Official Language

UNIT: CHAIRPERSON: ANJULA GURTOO

HINDI TEACHING SCHEME: An In- Service Hindi Teaching Programme is offered to the staff to train them in the Official Language. The Institute takes the responsibility of providing class-rooms and study material. Classes are organised during office hours. This is year also many Institute staff from different departments has been trained and they also trained to use Hindi software on computer.

HINDI WORKSHOP: The Institute regularly organises Hindi Workshops on various aspects of the use of Hindi in Central Government Offices and conversation session for the benefit of the Institute staff. Staff from different Sections/Units of Institute takes part in these workshops and are utilizing the same in their offices. A workshop was conducted by Dr. Mahesh, Hindi Officer, CAIR, DRDO Bangalore discussed the use of Computer in Official Language on 10th April 2018. On 17th September 2019 & 25 the January 2019 workshop was organised on the subject "Usage of official language in Academic Institutions".

HINDI LECTURE: Dr. PP Sharma, M.Sc (Zoology), Rajasthan University, Jaipur, MD (AQ), Indian Council of Acupressure Yoga, Bihar delivered the Technical Lecture on "A Non medicinal approach to good Health" on 05/06/2019.

HINDI COMPETITIONS: In order to encourage the use of Hindi language by the staff in Official work, Official Language Unit & Hindi samiti jointly organised several competitions such as General Quiz, Dictation, Extempore Speech, Cross Word, Dumbcharades, Memory Test, Antakshari, Creative Writing, Poetry Recitation. Staff and students of the institute participated in large numbers in these competitions.

HINDI DAY: "Hindi Day" Celebration was held in the Institute on 27th September 2018 at MRC Auditorium. The function was presided by Prof. Anurag Kumar, Director, IISc, Bangalore, Shree Jafar Mohiuddin (Architect, Actor, Director) was the Chief Guest. And Prof. Anjula Gurtoo, Chairperson of the Official Language Unit gave the welcome address.

Faculty members, employees and students of the Institute participated in large numbers. Winner of these competitions were honoured by the Chief Guest and The Director. As a mark of appreciation and encouragement Institute has awarded Rs.2000.00 Cash Prize to the children of the faculty and staff

members who have scored 80% or high marks in Hindi Language in the 10th Std & 12 Std(SSLC, ICSE and CBSE) and IInd PUC during the academic year 2016-17 & 2017-18. A skit "Sudhama ke Chaval" was presented by the Student Amit Roy.

TOLIC COMPETITIONS: Many participants from different Central Government Offices participated for 'VIVIDHA" TOLIC Competition held on 25th October 2019 at Choksi Hall, IISc, Bangalore. Prizes were distributed to the winners on the Joint Hindi Day celebration held on 04/12/2018.

DARSHINI MAGAZINE: Hindi quarterly magazine "Darshini" is regularly published. For the ear 2018 January-march, April-June & July-Sep editions were published.

TRANSLATION:

Translation of the annual Report of the Institute in Hindi

Translation of Annual Accounts in Hindi

Hindi translation of other administrative manuals, forms and routine correspondence.

8.3 SC/ST Cell

LIAISON OFFICER IN CHARGE: K PANNER SELVAM / V NAGARAJA

The Governing Council of the Institute has decided to follow Government of India directives/orders regarding reservations, concessions, relaxation, etc., in favour of Scheduled Castes and Scheduled tribes.

The SC/ST Cell monitors "Registers of Roster" pertaining to direct recruitments and promotions maintained for both teaching and non-teaching staff. The Cell strictly ensures that the Institute adheres to to Government of India directives/orders regarding reservations, concessions, relaxation etc., for Scheduled Castes and Scheduled Tribes.

The Cell furnishes statistical information regarding the representation of SCs & STs in the service of the Institute to the Ministry of Human Resource Development, the University Grants Commission and the National Commission for Scheduled Castes and Scheduled Tribes as and when called for

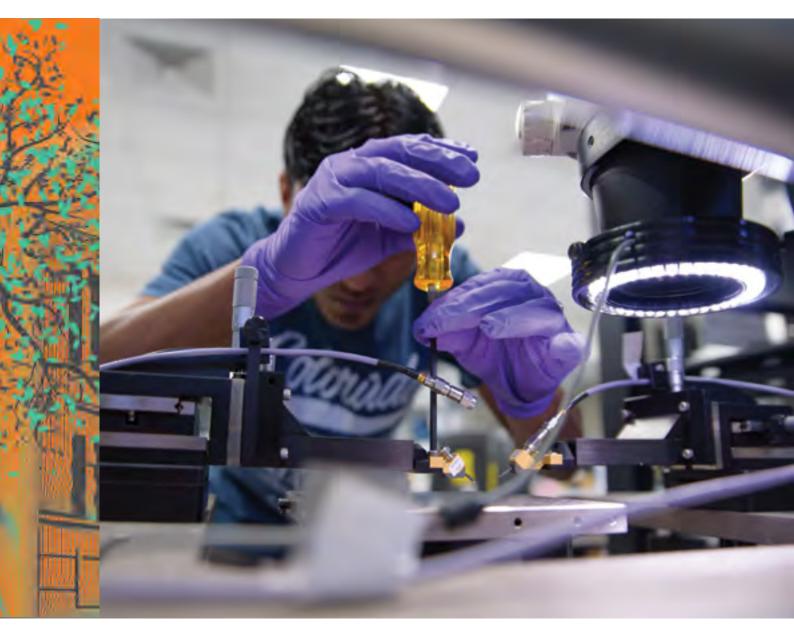
The Cell also looks after the implementation of welfare measures such as the reimbursement of tuition and other fees, etc. for SC/ST staff wards.

8.4 PUBLIC INFORMATION OFFICE

Right to Information Act, 2005: The Institute adopted the Right to Information Act, 2005 in the year 2006. The Institute has disseminated certain information through its website, which is accessible to the public. During the year, the public have made around 290 requests seeking information and prompt action has been taken and the applicants have been informed accordingly.







9.1 HEALTH CENTRE

A fully equipped Clinical Laboratory, Digital X-ray, Ultrasonography, ECG, fully equipped Physiotherapy Unit services are available.

Specialist consultants in General Medicine, Gynecology, ENT, Ophthalmology, Dermatology, Dentistry and Psychiatry are available on appointment basis.

It has a Pharmacy, which stores and distributes most of the required medicines.

It has an Operation Theater where minor surgical procedure can be carried out efficiently.

For cases requiring hospitalization for major illness, patients are referred to external hospitals for admission and treatment. All the permanent Employees and their Family Members and Retired Employees and their Spouses and Family Pensioners are covered by Group Mediclaim Insurance Policy under the Contributory Health Service Scheme (CHSS).

The Health Centre provides OPD consultation for IISc., Students.

The Health Centre has experienced doctors residing in the campus and Area Medical Officers catering the institute population residing outside the campus in the city.

The Health Centre also provides Ayurvedic Health Care by a recognized Ayurvedic Practitioners based on referrals.

Emergency care is given round the clock at the Health Centre.

The Health Centre has an fully equipped Ambulance to transfer

Critically ill patients round the clock.

The Health Centre provides counseling by professionals at 1st Floor of Faculty Club.

Timing of Health Centre:

- (i) 9 am to 2 pm (4 Doctors)
- (ii) 2 pm to 7 pm (1 Doctor)
- (iii) 8pm to 8 am (1 Doctor)

Ambulance No. 2293-2390 (Nursing 24/7)/2227 (Reception)

9.2 RECREATIONAL FACILITIES

9.2.1 GYMKHANA

The spacious and well-designed Gymkhana is the nodal centre for sports and cultural activities of the students and faculty. It offers facilities for many outdoor and indoor games and has a well-equipped gymnasium and a swimming pool. In addition, the Gymkhana houses the Nature club, Dance club, Dramatic club, Literary, Fine Arts and Photographic club and a well-equipped modern music room. The Ranade Library in Gymkhana offers light reading material in English and in many Indian languages. Other features include periodic coaching classes in games and athletics such as Basketball, Tennis, Swimming, Kung Fu, Archery, Athletics, Aerobics and Dance. The Football/Hockey and Tennis grounds are fitted with floodlights. The Raja Ramanna Student's Activity Centre (SAC) is open for cultural activities.

The Gymkhana conducted a number of sports and games competitions during the year in connection with Founder's Day, Independence Day, Republic Day and Gandhi Jayanthi. The indoor and outdoor game clubs held annual tournaments throughout the year. The Institute's Cricket team, Football team, Hockey team, Billiards team, Lawn Tennis team and Volleyball team participated in Club Tournaments, League matches and Inter Collegiate Tournaments. The Gymkhana has also conducted Inter Departmental / Open matches for the students, faculty, staff, spouses and their children.

9.2.2 FACULTY CLUB

The Faculty Club is a place for recreational, social and cultural activities.

Some of the salient activities of the club are: Indoor Games (Billiards/Snooker, Carrom, Table Tennis and Chess); Outdoor Games (Tennis); Fine Arts; Library & Reading Room (subscribes to dailies, weeklies and popular magazines); T V Lounge; Ladies Section; Snack Parlour and Pastry Shop and a Mini Gym. Classical music concerts are organized regularly on the campus.

During the year dining and gym facilities were improved. Science learning activity for school kids is arranged through science club.

9.2.3 TATA MEMORIAL CLUB

This Club provides the space and facilities for various games and cultural activities for the supporting staff of the Institute.

In addition to organizing outdoor and indoor games, its activities cover swimming coaching, computer training, Abacus class, creative camps, dance training, musical instrument training. Yoga / Meditation classes, and Sloka classes for members, students & their dependents. Tuition classes are conducted with the support of student volunteers for needy dependents children. The club also can borrow Engineering and Medicine text books for needy children of the Institute community. The mini multi gym facility is open to the Institute community. The club also maintains a Library. A Regular Blood Donation camp is organized on Independence and Republic day in co-ordination with the Students Council / Lions club (Aishwarya).

The Tata Memorial science quiz was organized on National Science Day. The club organized Badminton / Carrom / Table Tennis tournaments for students, faculty and staff. The club also organised the Karnataka Rajayotsava in co-ordination with the Kannada Sangha.

9.3 AUDITORIA

9.3.1 NATIONAL SCIENCE SEMINAR COMPLEX

The magnificent National Science Seminar Complex situated in the IISc Campus is the first of its kind in India. The complex is open for seminars, symposia and conferences organized by recognized scientific societies, educational institutions and professional bodies. The total built up area measures around 5750 sq. metres.

This fully air condition complex houses the JN Tata Auditorium with a seating capacity of 750 and 3 mini auditoria to seat 120, 90 and 60 people respectively. Interactive concourses at the basement and ground level with excellent light and sound facilities are part of the seminar complex. The business centre at the complex has facilities for photo copying, FAX, STD/ISD phone booths and secretarial assistance.

9.3.2 PROF. SATISH DHAWAN AUDITORIUM

Located on the first floor of the Centre for Scientific and Industrial Consultancy, this medium sized auditorium has a seating capacity of 265. It has fixed seats and a dais suitable for conferences and chamber music. It is fully air-conditioned and is adequately equipped with sound, lighting and projection equipment.

9.3.3 RUSTUM CHOKSI HALL

Located close to the entrance of the Institute, with a seating capacity of 120, the interior of the hall and its surroundings provide the right environment for intellectual inquiry and cultural activities.

9.3.4. FACULTY AND RECEPTION HALL

The Faculty Hall with a seating capacity of 275 is located in the east wing, on the first floor of the tower building. The Reception Hall is in the west wing. These are used for formal events.

9.4 AMENITIES

The following amenities located in different parts of the campus make day-to-day life smoother and more comfortable. In fact, these facilities have made IISc a totally self- contained Campus.

Travel Agencies (Domestic & International Travel)

Beauty Parlour (2 in no)

Gents Hair Style (2 in no)

Diary outlet

Bakery

Dry Cleaners (2 in no)

Tailoring Shops (2 in no)

Food Court (3 in no)

Fruit Stall & Juice Centre

Courier & Mobile Services

Zerox and DTP Centre (2 in no)

General Stores (2 Shops in no)

Nilgiris Outlet

Mens Tailor (2 Shops)

STD and Courier Booth

Campus Book Store

Photo Studio

Cable Network (2 shop in no)

Restaurants (2 in no)

Play School

Super Market

Cycle repair shops

Medical Shop

Creche (3 in no)

COMMUNICATIONS: Post Office (Science Institute, Bangalore – 560 012), Telecom Centre and STD booths. The Institute is connected by the Centrex Exchange from M/s.BSNL with 1200 extensions. In addition, there are nearly 250 direct lines to different departments and centers.

Centralized electronic franking takes care of outward postage and is supported by a centralized FAX facility. The Transport section maintains a fleet of service vehicles through approved travel agencies.

HELP DESK: The Help Desk facility has been reactivated at the Reception Counter at the main gate of the Institute to assist visitors. This facility functions from 8.00 am to 8.00 pm.

BANKS: Canara Bank and State Bank of India have fully computerized branches with many facilities including foreign exchange transactions and ATM machines.



Finance



The Ministry of Human Resource Development provides Revenue and Capital Grants to the Institute for meeting revenue expenditure & for creation of Capital assets respectively. The MHRD has recognised the Institute as `Institute of Eminence under World Class Institution category' and released special grant for this activity. The Institute also receives funds from other Government agencies like DST/DBT/CSIR etc, for Extra Mural Research. The UGC/DST also release grants for research in emerging areas & for expansion of Infrastructure under Centre for Advanced Study/ FIST Programmes, respectively.

The total receipts covering all major areas for the year 2018-19 was Rs. 1,12,963.55 lakhs and the payments for various activities of the Institute was Rs. 1,13,251.24 lakhs

THE DETAILS OF RECEIPTS AND PAYMENTS FOR THE YEAR 2018-19 ARE AS FOLLOWS:

SI. No.	Particulars	Receipts	Payments
1	Revenue - MHRD Grants	42,500.00	48,998.59
2	Capital - MHRD Grants	5,545.00	5,689.06
3	IOE-WCI-MHRD	4,297.00	2,144.14
4	Developmental Projects	7,313.26	4,739.02
5	Sponsored Research Schemes	39,656.65	39,046.00
6	Scientific & Industrial Consultancy	1,518.99	1,477.77
7	ODAA Projects	3,862.56	3,130.58
8	Continuing Education Programme	315.50	251.51
9	Sponsored Scholarships (CSIR/UGC/AICTE etc)	1,167.02	987.00
10	Academic/Other Income	1,259.93	1,259.93
11	Interest earnings/Project Overheads	5,527.64	5,527.64
	Total	1,12,963.55	1,13,251.24

REVENUE EXPENDITURE (*)

Salaries & Allowances	28,288.79
Research Associateship	6,030.88
Working Expenses	15,938.85
Total (*)	50,258.52

Endowed Chairs



11.1 Endowed Chairs for Faculty

A number of Endowed Chairs have been instituted in recent years to recognize the outstanding contribution of Institute faculty members.

YEAR	NAME	DEPARTMENT	
ABB			
2012-15	P S Sastry	EE	
2015-18	K Gopakumar	ESE	
2018-21	L. Umanand	ESE	
AMRUT MODY			
2015-18	Binny J Cherayil	IPC	
2018-21	Aninda J. Bhattacharyya	SSCU	
ASTRA			
2012-15	Sandhya S Visweswariah	MRDG	
2015-18	C Jayabaskaran	BC	
2018-21	Dipshikha Chakravortty	MCB	
HAL CHAIR			
2017-18	K.P.J. Reddy	AE	
2018-21	Debasish Ghose	AE	
J N TATA CHAIR			
2017-20	D.D. Sarma	SSCU	
JRD TATA CHAIR			
2017-20	Kumaran	Ch. Eng.	
НОМІ ВНАВНА СН	HAIR		
2017-20	Sriram Ramaswamy	PHY	
KSIIDC			
2012-15	P. P. Mujundar	Civil	
2015-18	T.G. Sitharam	Civil	
2018-21	S Gopalakrishnan	A.E.	
MSIL			
2012-15	Chanda J Jog	PHY	
2015-18	B Ananthanarayan	CHEP	
	Managet Material au	DLIV	
2015-18	Vasant Natarajan S. Asokan	PHY IAP	

PROF. SATISH DHAWAN			
2012-15	KPJ Reddy	AE	
2015-18	Ranjan Ganguli	AE	
2018-21	D. Nagesh Kumar	CEaS/CiE	

TATACHEM			
2012-15	P Vijay Kumar	ECE	
2015-18	N Surya Prakash	NMRC	
2018-21	Vinod Sharma	ECE	

RAMAKRISHNA RAO		
2014-17	Srinivasan Raghavan	CeNSE
2017-20	Ambarish Ghosh	CeNSE

PRAT & WHITNEY			
2016-18	Gopalan Jagadeesh	AE	
2018-21	R.V. Ravikrishna	M.E.	

REVATI AND SATYA NADHAM ATLURI CHAIR		
2018-21	Rishikesh Narayanan	MBU

MINDTREE CHAIR		
2018-21	Vijay Natarajan	CSA

DRDO CHAIR		
2018-21	D. Roy Mahapatra	AE
2018-21	Saptarshi Basu	ME

11.2 Endowed Visiting Chairs

A number of Endowed Visiting Chairs have been instituted to facilitate the visits of celebrated researchers from all over the world.

YEAR	NAME	DEPARTMENT
BRAHM PRAKA	SH	
2015	Tamas Ungar	Eotvos University, Budapest,
		Hungary
2015-16	Kannan M Krishnan	University of Washington, Seattle,
		USA
2016	Jiang-Zhong Jiang	Zhejiang University, Hangzhou, PR
		China,
2016	Tamas Ungar	Eotyos University, Budapest,
		Hungary

2016	David P Field	Washington State University,	
		Pullman, USA	
2017-18	Surya R. Kalidindi	George W. Woodruff School of	
		Mechanical Engineering, Atlanta,	
		USA,	
2017	Jerzy Antoni Szpunar	Univ. of Saskatchewan, Saskatoon,	
0017	D. M.D. F. M.	Canada	
2017	David P. Field	Washington State Univ., Pullman,	
2017-18	Sridhar Seetharaman	USA Colorado Sabaol of Minas Coldan	
2017-18	Sildriar Seetharaman	Colorado School of Mines Golden, USA	
2018	Hamish L. Fraser	Dept. of Materials Science &	
2010	Hallisti L. Flasei	Engg, The Ohio State University,	
		Columbus	
2018	Manoj Gupta	National University of Singapore	
2019	Sergii Divinskyi	University of Munster, Germany	
2019	Werner Skrotzki	Dresden University of Technology,	
		Germany	
		,	
PROF. SATISH DHA	AWAN		
2015	Tribrikram Kundu	University of Arizona, Tucson, AZ	
2016	P. Guruswamy	Ames Research Center, California,	
		USA	
2016-17	D.S. Naidu	University of Minnesota, USA	
2017	Garry L. Brown	Princeton University, Princeton, NJ	
2017	Rama K Yedavalli	The Ohio State University,	
		Columbus, USA	
SUNDARARAJAN			
2015	Uma Das Gupta	Kolkata	
PRATT & WHITNEY			
2015-16	Ravi N Banavar	IIT Bombay	
DST-IISc CENTENA			
2015	Ramesh Narayan	Harvard University, USA	
2015	Jainendra K Jain	Pennsylvania State University, USA	
2015	William A Goddard	Caltech, California, USA	
2017	Allan Peter Young	Univ. of California, USA	
2017	Richard N. Zare	Stanford University, Stanford, CA	
	NICS CHAIR PROFESSORSHIP	1.5	
2016	Dr. Goutam Chattopadhyay	Jet Propulsion Lab, USA	

SMT. RUKMINI - SHRI GOPALAKRISHNACHAR DISTINGUISHED CHAIR PROFESSORSHIP



2015	Michael L Norman	University of California, San Diego, USA
2016	Rakesh Agrawal	Microsoft Research, Redmond, USA
2018	Sargur M Srihari	State University of New York,
		Buffalo, NY, USA

K VAIDYANATHAN DISTINGUISHED VISITING CHAIR		
2015-2020	Shihab Shamma	University of Maryland, USA

SMT SUDHA MURTHY DISTINGUISHED VISITING CHAIR			
2016-2019	Vasant Honavar	Pennsylvania State University, USA	
PRATIKSHA TRUST DISTINGUISHED VISITING CHAIR			
2018	Christos H Papadimitriou	Columbia University, New York, ny,	
		USA	

INFOSYS VISITING CHAIR		
2016-2020	Jainendra K Jain	Pennsylvania State University, USA
	Susanne C Brenner	Louisiana State University, USA
	Aneesh V Manohar	University of California, USA
2018	Xerxes Tata	Dept. of Physics & Astronomy, Univ.
		of Hawaii at Manoa, USA

