AGENDA OF 20th MEETING OF BOARD OF GOVERNORS

JNTUH INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

AGENDA

Of

20th MEETING of

BOARD OF GOVERNORS

Venue:

Meeting Hall,
JNTUH Institute of Science and Technology New Building,
Jawaharlal Nehru Technological University Hyderabad

On

4th Saturday, May, 2019 at 11:00 AM

JNTUH INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad, Telangana State – 500 085

JNTUH INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad, Telangana State – 500 085

20th Meeting of Board of Governors

Venue: Meeting Hall, O/o Director, IST JNTUH.
Date: 04-05-2019   **Time: 11:00 AM**

S. No	Name of the Member of BoG	Designation	Position in the BoG
1.	Prof. P. Jaya Prakash Rao	Former Chairman, State Council of Higher Education, Hyderabad	Chairperson
2.	Dr. S. Chandrasekhar	Director, CSIR-IICT, Hyderabad	Member
3.	Dr. Siva Kumaran	Director, Aurobindo Pharma Ltd.	Member
4.	Dr. Rakeshwar Bandichhor	Director, Dr. Reddy's Laboratories Ltd.	Member
5.	Sri. B. Gopala Krishna	Dy. Director, NRSC, Hyd.	Member
6.	Dr. A. D. Rao	Regional Director (Retd),CGWB, Ministry of Water Resources	Member
7.	Dr. K. Yella Reddy	Dean, Faculty of Agriculture Engg., & Technology, ANGRAU, A.P	Member
8.	Dr. M. Anji Reddy	Professor of Environmental Science and Technology and Director R&D, JNTUH.	Member
9.	Dr. K.Ramamohan Reddy	Professor of Water Resources, IST, JNTUH.	Member
10.	Dr. G. Krishna Mohan	Professor of Pharmacy, CPS, IST, JNTUH	Member
11.	Dr. Sandeep Grover	Professor, Dept. of Mech. Engg, YMCA University of Science & Tech, Faridabad.	Member
12.	Dr. B. N. Bhandari	Director, academic & Planning, JNTUH	Member
13.	Dr.K.HansRaj	Dean, DEI	Member
14.	Dr. B. L. Rama	Director, AICTE, New Delhi	Member
15.	Sri. D. Venkateswarlu	Secretary, SBTE, Telangana State, Hyderabad	Member
16.	Dr.Bh. Nagabhushan Rao	Mentor, IST-TEQIP III	Special Invitee
17.	Dr.A.Jaya Shree	Prof of Chemistry , CCST, IST and Former Director, IST	Special Invitee
18.	State Project Coordinator	SPIU, Dept. of Tech Education, Hyderabad	Special Invitee
19.	Dr.T.Vijaya Lakshmi	Assistant Professor of EST & Coordinator TEQIP-III	Special invitee
20.	Dr.B.Venkateswara Rao	Director, IST, JNTUH	Member Secretary

Contents:

JNTUH INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)
Kukatpally, Hyderabad-500085

TWENTIETH MEETING OF BOARD OF GOVERNORS

**Venue: Meeting Hall of the Director, Institute of Science and Technology, JNTUH
On 4th Saturday, May, 2019 at 11:00 AM**

AGENDA

Item No.	Description of Item
UNIT: I ACTION TAKEN REPORT	
01/20 BoG _May -19	Presentation and action taken report by the Director, IST, JNTUH after 19th BoG Meeting dated 05- 01-2019
UNIT-II: ITEMS FOR CONSIDERATION AND APPROVAL	
02/20 BoG _May -19	To confirm the Minutes of the 19thBoG meeting held on 05th January 2019.
03/20 BoG _May -19	To consider and approve Expenditure incurred since 19th BoG to till date in TEQIP-III.
04/20 BoG _May -19	To consider and approve the enhancement of project grant for the existing R & D projects and sanction of new projects to JNTUH IST faculty
05/20 BoG _May -19	To consider and approve proposals to organize National and International conferences /workshops.
06/20 BoG _May -19	To consider and approve the expenditure towards qualification upgradation of technical support staff during TEQIP-III Project period.
07/20 BoG _May -19	To consider and approve the Research Assistantship enhancement from Rs.18000/- to Rs.25000/- under Research Assistantship of TEQIP-III Grants.
08/20 BoG _May -19	To consider and approve the JNTUH IST faculty applications for financial support towards International Travel.
	8.1 Dr.Ch. Sasikala, Professor, Centre for Environment, under Academic Process, TEQIP-III
	8.2 Dr. K. Venkateswara Rao Professor, Centre for Nanotechnology, under Academic Process, TEQIP-III.
	8.3 Dr.M.Anji Reddy, Professor, Centre for Environment, under Academic Process, TEQIP-III
09/20 BoG _May -19	To consider and approve activities under Enhancing student learning-GATE/Employability Skills by agencies other than NPIU empanelled agencies.
10/20 BoG _May -19	To consider and approve the proposal of:
	10.1 Establishing Advanced Geospatial Technology Lab Facility, sponsored by Industry Partner
	10.2 MoU with CSIR NEERI at Centre for Environment, IST
UNIT-III : ITEMS FOR RATIFICATION	
11/20 BoG _ May-19	Ratification of the International travel proposal of Dr. A.Jaya Shree, Professor, Centre for Chemical Technology under Academic Process, TEQIP-III.
12/20 BoG _ May -19	Ratification of the programs organized by the IST faculty.
13/20 BoG _May -19	Ratification for Organizing First Industry Consultation Committee (ICC) meeting
14/20 BoG _May -19	Ratification for the expenditure to conduct Board of Studies (BoS) meeting
UNIT-IV: ITEMS FOR INFORMATION	
15/20 BoG _ May -19	Brief report on the Mentoring conducted during 15-16 April 2019
16/20 BoG _ May -19	Information about the Status of the mini project works by the faculty members and M.Tech project works by the students, supported under R&D component.
17/20 BoG _ May -19	Information about the Organized Conferences/Workshops/Training Programs
18/20 BoG _ May -19	Information about the Digital classrooms (interactive teaching device/s with appropriate learning resources)
19/20 BoG _ May -19	Information about the Change in MIS-Coordinator
20/20 BoG _ May -19	Any other item with the permission of the Chairperson

UNIT: I   ACTION TAKEN REPORT

01/20 BoG _May -19	Presentation and action taken report by the Director, IST, JNTUH after 19th BoG Meeting dated 05- 01-2019

Director, Institute of Science and technology shall brief about the activities related to the institute in general and TEQIP-III activities in particular. This will enable the honorable Chairman and members of BoG to provide suggestions and to take appropriate decisions.

Action taken report is as follows:

NBA Accreditation: NBA has accorded 3 years accreditation (2018-19 to 2020-21) to four M.Tech Programs offered by IST, namely M.Tech in Environmental Management (EMT), M.Tech in Environmental Geomatics (EGM),M.Tech in Biotechnology(BT), M.Tech in Water and Environmental Technology (WET)
Presently, Six out of Seven Programs offered by IST are accredited, which is a very good performance indicator / bench mark as indicated by NPIU.

Performance Bench marking:

NPIU Has identified and introduced FIVE performance benchmarks based on which all institutions and ATUs under sub-component 1.1/1.2/1.3 will be assessed. They are:

(i) Twinning:
(ii) EAP (Equity Action Plan)
(iii) MIS (Management Information System)
(iv) In-progress expenditure on procurement and
(v) Actual Expenditure on procurement

JNTUH IST has met all the requirements and is doing well against all the above.

(i) Twinning: a performance score of **1.52** scored during last performance auditing. We have conducted Number of activities, workshops, seminars during the last one year and we are expecting to score 1.
(ii) Equity Action Plan: As per the NPIU Guidelines, Equity Coordinator has been appointed and institute's Equity action plan is prepared.
(iii) MIS: As per the requirement, MIS updating is complete for the A.Y 2018-2019.
(iv) In-progress expenditure on procurement: as per the NPIU 50% of procurement plan need to be created in PMSS. We have completed the entire procurement process i. e., 100%.
(v) Actual Expenditure on procurement: we have almost incurred the total amount allocated for procurement.

JNTUH IST is meeting all the above except EAP, which will be taken up during June / July.

❖ **Procurement of Goods:**

Out of the total allocated budget of Rs. 350 lakhs, an amount of Rs. 2,89,38,497/**-** has been incurred towards procurement of goods / items under the head of Procurement. The expenditure in pipeline is **Rs.** 51,12,813/-. Balance amount is Rs.9,48,690/- will be incurred towards civil works.

❖ **Academic Processes:**
As per the NPIU, PIP, Number of activities under academic processes were listed and include:

✓ improvement in teaching learning, and research competence, (faculty staff training, enhancing knowledge and research competence, management development training of faculty members, subject area training programs, training of technical staff)

- ✓ Enhancement of research , development and innovation
- ✓ Improving transition rates, of all the students
- ✓ Instituting academic and non academic reforms
- ✓ Student Employability: increasing interaction with industry, student career counseling placement.
- ✓ Increasing faculty productivity and Motivation and Twinning activities.

Faculty members, technical staff and students of respective centers of the IST have organized & participated in number of activities with the support of TEQIP III project, during January -April 2019. List of all the events organized / participated is given as in **Annexure-I.**

Conferences/Workshops / Training Programs Organized by Faculty from January-April 2019:
- Conferences : 02
- Workshops : 05
- Expert Lectures Delivered : 04
- Industrial Visits : 06

Conferences/Workshops / Training Programs Attended by Faculty and Students from January-April 2019:
- Conferences : 05
- Workshops : 06
- Training Programs : 05
- Patents : Obtained – 03 Pending- 01

During 17th BoG the budget for Academic Process under TEQIP-III is allocated and till now we have incurred an amount of **Rs. 77,26,320/-** from 1 Apr-2017 to 18-April- 2019 under various heads is Listed below:

S.No	Activity	Allocated Amount as per 17th BoG Agenda (in Rs.)	Spent Amount (in Rs.)	Remaining
1.	**R & D - M.Tech**	25,00,000/-	13,06,868/- (Mini project, M.tech project, Patents, Student attended)	43,93,132/-
2.	**R & D - Mini Project**	32,00,000/-		
3.	**Improve Student Learning**	6,00,000/-	3,14,378/-	2,85,622/-
4.	**Research Assistantships**	64,80,000/-	8,10,000/-	56,70,000/-
5.	**Faculty/Staff Development , Motivation**	60,00,000/-	30,05,347/-	29,94,653/-
6.	**Reforms & Governance**	20,00,000/-	6,301,33/-	1369867/-
7.	**Mentoring & Twinning System**	35,00,000/-	10,53,008/-	2446992
8.	**Graduate Employability**	6,00,000/-	1,55,086/-	4,44,914/-
9.	**Industry-Institute-Interaction**	6,00,000/-	1,65,092/-	4,34,908/-
10	**Management Capacity Development**	5,00,000/-	2,84,008/-	2,15,992/-
11	**MOOCs and Digital Learning**	5,00,000/-	2,400/-	4,97,600/-
12	**Hiring Consultancy Services**	6,00,000/-	0.00	6,00,000/-
	TOTAL	2,70,80,000/-	77,26,320/-	1,98,53,680

- ❖ **Twinning Activities:**
  - − One day workshop on Energy Storage, on 29th April 2019 was conducted at CEN, JNTUH in association with DEI.
  - − Exchange Visit: M.Tech Nanotechnology Students had gone for one week hands on training and to carryout joint research project on Nanotechnology Based Rapid Prototyping at Dayalbagh Educational Institute (DEI) , Agra during 15–20 April 2019.
  - − Two day workshop on "3D Printer Technology and Its Fabrication" in association with mentee institute Dayalbagh Educational Institute (DEI) has organized by the Dr.Ch.Shilpa Chakra, Assistant Professor, CNST during 15-16 March 2019.
- ❖ **Incremental Operating Cost:** Under this, Internal Auditing was carried out for TEQIP-III project on 8th April 2019 for the years 2018-19 the internal audit report is without any objections, further Statutory Audit to be carried out shortly.

UNIT-II: ITEMS FOR CONSIDERATION AND APPROVAL

02/20 BoG _ May -19	To confirm the Minutes of the 19thBoG meeting held on 05th January 2019 .

The minutes of the 19th BoG meeting has been circulated to the Honorable Chairman and all the BoG members through email on 9th January, 2019 for suggestions and approval. Further, requested all the members to send their suggestions for incorporation in the document on or before 29th January 2019. All the suggestions made by the honorable BoG members were incorporated. The final minutes were uploaded in the Institute website www.jntuhist.ac.in. The copy of minutes is given as in Annexure-II.

The BoG may confirm the same.

03/20 BoG _ May -19	To consider and approve the Expenditure incurred since 19th BoG to till date in TEQIP-III.

The head wise expenditure incurred since 19th BoG 2019 to till date is Rs. **1,17,92,397**/- only.

Sl. No	Name of the item	Expenditure since 19th BoG (in Rupees)	Total expenditure since inception (in Rupees)	Percentage of total Expenditure on Life Time Allocation
1	Procurement of Goods	79,08,795	2,89,38,497	82.68
2	Academic Processes	33,18,554	77,26,320	27.59
3	Operating Cost	5,65,048	24,19,773	34.55
	Total	**1,17,92,397**	**3,90,84,590**	**55.83**

The BoG may consider and approval.

04/20 BoG _May -19	To consider and approve the enhancement of project grant for the existing projects and sanction of new projects to JNTUH IST faculty

a) Rs.2 Lakhs were allocated for the each faculty member to carry out mini research project as seed grant.
It is to submit that few faculty members have requested for enhancement of the existing sanction grant of Rs 2 lakhs to 4 lakhs, as the case may be based on :
* The approval of Departmental Research Committee (DRC)
* Technical justification for the enhancement of the project
* Upto date project status (submission of interim report)

b) Few Faculty members have almost completed the existing project and now requesting to grant funds for taking up new project. The maximum amount that may be considered is Rs.2 Lakhs.

The BoG may consider (a) and (b) as above and approve the same.

05/20 BoG _May -19	To consider and approve proposals to organize National and International conferences /workshops.

Faculty members of IST have proposed to organize few national and international conferences and workshops, unde FSD and industry institute interaction. The programs will be organized as per the BoG guidelines. The details of the proposed events are listed below.

S.No	Topic/Theme	Programme	Proposed Dates	Faculty Coordinator	No. of Participants	Proposed budget (in Rs.)
1.	To organize 5 day Workshop on Health and Safety	Workshop	16-21 September 2019	Dr.V.HimaBindu Professor, CEN	100	1,50,000/-
2.	To organize one day workshop on Intellectual Property Rights (IPR) at DEI, Agra	Workshop under Twinning	July 2019	Dr.Ch.Sasikala Professor, CEN	50	1,00,000/-
3.	To enhance graduate employability skills, it is proposed to organize 5 day workshop on "Geospatial Technologies for Environmental Planning "	Workshop under Twinning	29th July to 3rd August , 2019	Dr.M.Anji Reddy	100	2,00,000/-

The BoG may consider and approve the above programmes.

06/20 BoG _ May -19	To consider and approve the expenditure towards qualification upgradation of technical support staff during TEQIP-III Project period.

In the PIP, under faculty staff training, expenditure towards Qualification upgradation of technical support staff is permissible. Therefore we are proposing the following:
o Fees charged for course work, registration fee : 50%
o Use of Research facilities: Upto 100%

o Consumables: Upto Rs.30,000/-
o Thesis Printing including Publications :Upto Rs. 10,000/-

Technical support staff of three centres of the IST, namely Centre for Environment, Centre for Water Resources, and Centre for Spatial Information Technology, have registered for qualification upgradation and requested for reimbursement of expenditure towards course fee and thesis printing charges. Hence, it is requested to approve the expenditure towards the above, during the TEQIP III project period.

The BoG may consider and approve.

07/20 BoG _ May -19	To consider and approve the Research Assistantship enhancement from Rs.18000/- to Rs.25000/-under Research Assistantship of TEQIP-III Grants.

It is to inform to the honorable members of the BoG that all the national level scholarships for the JRF are in the order of Rs.32,500/- per month. The present Assistantship for the TEQIP-III Research Scholars is Rs.18000/- per month which was sanctioned during TEQIP-II period. Therefore there is a need to enhance the research assistantship as per the request of the TEQIP-III scholars.

The BoG may consider and approve.

	To consider and approve the JNTUH IST faculty applications for financial support towards International Travel.	
	8.1	Dr.Ch. Sasikala, Professor, Centre for Environment, under Academic Process, TEQIP-III
08/20 BoG _May -19	8.2	Dr. K. Venkateswara Rao Professor, Centre for Nanotechnology, under Academic Process, TEQIP-III.
	8.3	Dr.M.Anji Reddy, Professor, Centre for Environment, under Academic Process, TEQIP-III

- **8.1-Dr.Sasikala, Professor, Centre for Environment**, has been invited as Keynote Speaker on "Production of Biosurfactant by Alcanivorax sp. and its exploitation for diesel degradation in a mixed culture"at society for Industrial Microbiology and biotechnology annual meeting and exhibition, 2019(SIMB-2019) at Washington DC,USA during 21st -24th July ,2019.The amount requested towards International travel is -Rs. 3,29,000/- ,Registration fee -Rs 72,000/-,Towards travel -Rs 1,07,000/- & Accommodation & other logistics- Rs. 1,50,000/-.The application has been reviewed by the internal scrutiny committee, the recommendations are submitted for consideration and approval of the BoG for onward submission to the SPIU and NPIU for sanction.
- **8.2- Dr. K. Venkateswara Rao, Professor, Centre for Nanotechnology,** has been invited as Keynote Speaker on "Flexible sensor room temperature LPG detection – Sm_2O_3 Rice –like nanorods decorated on reduced Graphene Oxide" organized by 31st nano congress for future advancements at London, U.K during 29th -31st August 2019. The amount requested towards International travel is Rs.1,88,000/-(Apx),Registration fee-Rs 56,000/-,Towards travel & VISA -Rs 90,000/- & Accommodation & other logistics- Rs. 42,000/-. The application has been reviewed by the internal scrutiny committee.
- **8.3-Dr.M.Anji Reddy, Professor, Centre for Environment,** has been invited as keynote Speaker on paper titled "Hyperspectral remote sensing of water Quality parameters in lakes: A case study of Hyderabad city, Telangana State, India" to be held during November 13-15, 2019 at the 7th Annual Conference of Analytix-2019 at Berlin, Germany. The amount requested towards International travel is Rs.2,60,000/-(Apx), Registration fee-Rs 10,000/-,Towards travel & VISA -Rs 1,00,000/- & Accommodation & other logistics- Rs1,50,000/-).The application has been reviewed by the internal scrutiny committee.

The BoG may consider and approve the above recommendations.

09/20 BoG _ May -19	To consider and approve activities under Enhancing student learning GATE / Employability Skills by agencies other than NPIU empanelled agencies.

It is proposed to conduct GATE coaching classes for appropriate subjects to the IST students (A.Y 2018-2019) by the agencies other than NPIU empanelled institutions as the empanelled institutions are not available within Hyderabad and nearby Cities. Expenditure towards remunerations and travel will be paid as per NPIU guidelines.

The BoG may consider and approve the above.

10/20 BoG _ May -19	To consider and approve the proposal of:	
	10.1	**Establishing Advanced Geospatial Technology Lab Facility, sponsored by Industry Partner**
	10.2	**MoU with CSIR NEERI at Centre for Environment, IST**

❖ **10.1-** Centre for Environment, IST has received a proposal from their industry partner M/S Terra Drone India Pvt lTd for establishing an advanced geospatial technology lab facility at Centre for Environment , IST JNTUH. The Industry has submitted expression of interest towards the same, and is willing to spend an amount of Rs 100.00 lakhs., as initial investment. This proposed lab facility will be for training the students on various geo spatial technologies in general and on Drone- UAV technology, GNSS and DGPS Surveying technology in particular.

The proposed collaboration will also assist in evolving few new R& D projects, offering training programs to stakeholders and others nationally and internationally.

Approval from BoG is required for further submission to the University for establishing the same.

❖ **10.2-** A Mutually agreed draft copy of the proposed MoU was submitted by CSIR-National Environmental Engineering Research Institute (NEERI) & Center for Environment,IST, JNTUH.

❖ The Objectives of the proposed MoU are:
   I. The concerned Scientists of CSIR-NEERI and corresponding faculty members of JNTUH will formulate research project and Human Resource Development plans for joint work with due approval of both the institutions.
   II. Training programme for faculty, staff, students and technical personnel with in the areas of cooperation will be under taken at the two institutions.
   III. Joint sponsored consultancy projects with both long term and short term goals could be undertaken, keeping in view the interests and philosophies of the respective institutions.

Approval from BoG is required for further submission to the University.

The BoG may consider and approve.

UNIT-III : ITEMS FOR RATIFICATION

11/20 BoG _ May -19	Ratification for International travel proposal of Dr.A.Jaya Shree, Professor, Center for Chemical technology, IST, JNTUH under TEQIP-III.

Dr. A.Jaya Shree, Professor, Centre for Chemical Technology, has been invited as Keynote Speaker in the International Conference on " Chemical Biology and Drug Discovery" as Keynote speaker during 20 - 21 June 2019 at Singapore. The amount requested towards (International travel is -Rs. 1,31,390/-,Registration fee –Rs. 42,142/-,

Visa Fee- Rs.10,000/-,Towards travel -Rs 30,000/- & Accommodation & other logistics- Rs. 49,248/-).The application has been reviewed by the internal scrutiny committee and was approved by the chairperson of the BoG through e-mail dated : 29/03 /2019, for onward submission to the SPIU and NPIU for sanction. Chairperson in principle agreed and is submitted here for ratification.

The action taken by the Director, IST may be ratified by the BoG

12/20 BoG _ Apr -19	Ratification of the programs organized by the IST faculty.

The Faculty members of IST have organized number of conferences / workshops/ training programme under TEQIP III. The details are listed below.

Organized/ Conferences/Workshops/Training Programs			
1.	One day workshop on " Present day Trends of Science and Technology"	**Dr.CH.Shilpa Chakra** Assistant Professor,CNST	8 April 2019
2.	Workshop on Youth for climate change jointly with JNTUH NSS wing.	**Dr.T.Vijaya Lakshmi** Assistant Professor, CEN	22-23March 2019
Twinning System/Mentoring			
3.	One day workshop on "Energy Storage" in association with mentee institute Dayalbagh Educational Institute (DEI), Agra	**Dr.V.Hima Bindu** Professor, CEN	29 April 2019

The BoG may ratify all the above programmes .

13/20 BoG _ Apr -19	Ratification for Organizing First Industry Consultation Committee (ICC) meeting

JNTUH IST has constituted program specific industry consultation committee (ICC) as per the NPIU guidelines.
The first ICC meeting was held on 16 March 2019 with the permission of the BoG chairperson (email correspondence dated 12th March 2019). The meeting has addressed, issues related to industry driven curriculum, suitable employability opportunities and to identify possible industry consultation by the IST faculty members.

The action taken by the Director, IST may be ratified by the BoG.

14/20 BoG _ Apr -19	Ratification for the expenditure to conduct Board of Studies (BoS) meeting

The Institute of Science and Technology BoS meeting is scheduled on 2nd and 3rd May 2019 to revise and frame curriculum as per the AICTE Model Curriculum for the coming academic year 2019-2020.
The expenditure incurred in organizing the same may be ratified.

The action taken by the Director, IST may be ratified by the BoG

UNIT-IV: ITEMS FOR INFORMATION

15/20 BoG _ Apr -19	Brief report on the Mentoring conducted during 15-16 April 2019

Prof.Bh.Nagabhushana Rao, Retd. Professor, Anna University, Mentor, IST JNTUH has visited IST as part of the Mentoring session during 15th to 16th April,2019 and has interacted with stakeholders, namely students, teaching

faculty and non teaching staff, non technical staff, and advised on various items to improve in the areas of research, academic performance and placements.

Submitted for Information to the honorable members of the Governing body.

16/20 BoG _ Apr -19	**Status of the mini project works by the faculty members and M.Tech project works by the students, supported under R&D component.**

Status of the sanctioned mini projects and student's project works under R&D component is listed and presented in **Annexure III.**

Submitted for Information to the honorable members of the Governing body.

17/20 BoG _ Apr -19	**Information about the Organized Conferences/Workshops/Training Programs**

➢ The Faculty members of IST have Organized Conferences/Workshops/ Training programmes under Faculty/Staff Development (FSD). The Details are given below:

• 5th International Conference on "Hydrology and Watershed Management (ICHWAM-2019)" was Organized by Dr.C.Sarala, Professor of Water Resources, during 12 -15 February, 2019.

• Two day workshop on "3D Printing Technology and Its Fabrication" was Organized by Dr.CH.Shilpa Chakra, Assistant Professor of Nanotechnology, during 15 - 16 March, 2019.

Submitted for Information to the honorable members of the Governing body.

18/20 BoG _ May -19	**Information about the Digital Classrooms (Interactive teaching devices/ with appropriate learning resources)**

Director IST and Coordinator TEQIP III, JNTUH IST have attended 2 day International Conference on Digital Pedogogy organized by JSS College and AICTE and MHRD. During the deliberations, Secretary MHRD has announced establishing and facilitating digital classrooms at the best performing 100 institutes in the country and has asked to submit as per the proforma. JNTUH IST is fulfilling all the required criteria and may get shortlisted.

Submitted for Information to the honorable members of the Governing body.

19/20 BoG _ Apr -19	**Information about the Change in MIS-Coordinator**

The Director IST, has appointed faculty member as MIS -Coordinator at Institute level under TEQIP-III
• Appointment of Dr.CH.Shilpa Chakra, Assistant Professor of Nanotechnology as MIS- Coordinator.

Submitted for Information to the honorable members of the Governing body.

20/20 BoG _ Apr -19	**Any other item with the permission of the Chairperson**

Expert lectures: Organized				
S.no	Description of the Programme	Name of the Faculty	Name of the subject expert	Dates of the Programme
1.	Expert lecture on **"Nanocellular Therapeutic Applications"**	**Dr.K.Venkateswara Rao** Professor, CNST	**Dr.Marshal, Assoc., Prof.,** Bio-Devices School of Biomedical Engineering Indian Institute of Technology, Banaras Hindu University, Varanasi.	19 March 2019
2.	Expert lecture as invited talk on **"Biodiversity of Ameenpur lake"**	**Dr.CH.Sasikala** Professor, CEN	**Dr.Sailu,** TelanganaBiodiversity Board.	6 March 2019
3.	Expert lecture on **Computer Aided Drug Design: Over view and case Studies**	**Dr.K.Venkateswara Rao** Professor, CNST	**Dr.Polamarasetty Aparoy,** Center for Computational Biology and Bioinformatics school of Life Sciences, Central University of Himachal Pradesh.	2 March 2019
4.	Expert lecture on **Materials for Li & Na Batteries from aMaterials Science point of View.**	**Dr.K.Venkateswara Rao** Professor,CNST	**Dr.Rajeev Ahuja** Department of Physics & Astronomy, Uppsala University, Uppsala, Sweden.	19 January 2019

S.no	Title of the Programme	Name of the Faculty	Dates of the Programme
Attended Conferences/Workshops/Training Programs		

Conferences

S.no	Title of the Programme	Name of the Faculty	Dates of the Programme
1.	5th Edition of International Conference on "Nanotechnology for Better Living (NBL-2019)" organized by National Institute of Technology, Srinagar	**Dr.K.VenkateswaraRao** Professor, CNST	7-11April 2019
2.	International conference on "Nanotechnology and Smart Materials, Design Artificial Intelleigence, Manufacturing and Engineering (ICNSMDAIME)" at PJ Princess Regency, Puduvyppu, Vypeen Islands, Cochin, Kerala.	**Dr.CH.ShilpaChakra** Assistant Professor, CNST	5-6 April 2019
3.	Attended as Invited speaker in National seminar on **"Climate Change & Bioresource Management: An Environmental Concern"** organized by the School of Earth Sciences, Swami Ramanand Teerth Marthwada University, Nanded, Maharastra	**Dr.M.AnjiReddy** Professor, CEN	18-19 March 2019
4.	International Conference on **"Applied Nanoscience and Nanotechnology"** organized by Alagappa University, Karaikudi, Tamilnadu.	**Dr.K.VenkateswaraRao,** Professor, CNST	18-19 March 2019

Workshops

S.no	Title of the Programme	Name of the Faculty	Dates of the Programme
5.	IEEE workshop on "Nano-Enabled IoT-2019 at CeNSE" organized byIndian Institute of Science ,Bangalore	**Dr.K.VenkateswaraRao** Professor, CNST	11-12March 2019
6.	DST-Sensitization Workshop on "Waste Management Technologies(WMT) organized by CIPET, Chennai	**Dr.V.Hima Bindu** Professor, CEN	28 February-1March 2019
7.	SWIFT-2019 workshop on "Adoption of green technologies to address water pollution scenarios & STP in India" organized by Indian Institute of Technology, Hyderabad.	**Dr.CH.Sasikala** Professor, CEN	2 February 2019
8.	Workshop on "SPOC Felicitation Cum Awareness Workshop" Organized by IITM	**Dr.K.VenkateswaraRao** Professor, CNST	19 January 2019

Organized Conferences/Workshops/Training Programs

S.no	Title of the Programme	Name of the Faculty	Dates of the Programme
Conferences			
1.	5th International Conference on "Hydrology and Watershed Management (ICHWAM-2019)"	**Dr.C.Sarala** Professor, CWR	12-15 February 2019
Workshops			
2.	Nanotechnology for Defence Applications	**Dr.CH.Shilpa Chakra** Assistant Professor, CNST	26 April 2019
3.	Present day Trends of Science and Technology	**Dr.CH.Shilpa Chakra** Assistant Professor, CNST	8 April 2019
4.	Youth for climate change jointly with JNTUH NSS wing.	**Dr.T.Vijaya Lakshmi** Assistant Professor, CEN	22 -23March 2019
5.	Industry Applications of Nanotechnology	**Dr.K.Venkateswara Rao,** Professor, CNST	7 March 2019

Research Assistantship under R & D (Ph.D)

Department Name	Name of the Ph.D Student	Roll.No	Name of the supervisor with designation
CEN	U.Jagadeeswari	1703CH1101	**Dr.Sasikala** Professor, CEN
CNST	B.Geeta Rani	15031PH2501	**Dr.K.Venkateswar Rao** Professor, CNST
CSIT	L.Ravi	1503PH1801	**Dr.Manjula Vani** Professor, Civil Engineering **Dr.M.Anji Reddy** Professor, CEN (**Co-supervisor**)
CWR	G.H.Swaroopa Rani	1403PH2002	**Dr.C.Sarala** Professor, CWR
	V.Narasaiah	1403PH2003	**Dr.B.Venkateswara Rao** Professor, CWR

Management Capacity Development

Title of the Programme	Name of the Faculty	Dates of the Programme
AttendedTraining on "**Web – Based PMSS Software**" for Procurement coordinators on 15th – 16th April, 2019 at BMS College of Engineering, Bangalore	**Dr.CH.ShilpaChakra,** Assistant professor,CNST	15-16 April 2019
Attended **Web-Based Academic MIS Training** organized by NPIU-MHRD at BVB'S Sardar Patel College of Engineering, Mumbai	**Dr.CH.ShilpaChakra,** Assistant Professor,CNST **P.B.Rakhee Sheel** MIS Operator, TEQIP-III	8 April, 2019
Attended International Conference on"Digital Pedagogies" at AICTE Auditorium, New Delhi, India.	**Dr.B.Venkateswara Rao** Professor, CWR **Dr.T.Vijaya Lakhsmi** Assistant Professor,CEN	1-3 April 2019
Attended National conference on Equity: Achievements & Challenges in India is organized by **NPIU-** College of Engineering, Pune.	**Dr.L.Saida** Assistant Professor CBT	15 – 16 March 2019
Attended a workshop on Outcome Based Accreditation for UG Engineering Programme organized by NPIU at AICTE	**Dr.K.Ramamohan Reddy** Professor, CWR	8-9 February 2018
Attended Training Programme on Professional Development Trainings (PDTs) is organized by NPIU-MHRD at "IIM Kozhikode	**Dr.A.Uma** Assistant Professor, CBT	28January-1 February 2019
Attended Training Programme on Professional Development Trainings (PDTs) is organized by NPIU-MHRD at "IIM Kozhikode	**Sri. J.Venkatesh** Associate Professor,CSIT	28January-1 February 2019
Attended Training Programme on Professional Development Trainings (PDTs) is organized by NPIU-MHRD at "IIM Indore	**Dr.L.Saida,** Assistant Professor, CBT	28January-1 February 2019
Attended Sensitization and Review meeting of 1.1 & 1.3 institutions which is organized by SPIU-UP at Lucknow	**Dr.T.Vijaya Lakhsmi** Assistant Professor, CEN	27-28 January 2019
Attended workshop on "Environment Safeguard organized by NPIU in association with world bank at SGISTS Institute, Indore	**Dr.K.Ramamohan Reddy,** Professor, CWR	11 January 2019

Graduate Employability

S.no	Title of the Programme	Name of the Students	Dates of the Programme
1.	Towards incubate share paid to MSME for selected project proposal.	**Dr.D.Bhagwan,** UGC – Post Doctoral Student, CEN	
2.	5 day Soft skills and personality Development training Programme.	2017-2018 batch students	8- 16 January 2019
3.	Employability Soft Skill Training programme.	2018-2019 batch students	31-10-2018 – ongoing

Reforms and Governance

S.no	Title of the Programme	Name of the Faculty	Date of the meeting
1.	First Industry Consultation Committee meeting (ICC)	All Centers of IST, JNTUH.	16 March 2019

Twinning System/Mentoring

S.no	Title	Name of the faculty/Students	Proposed Dates
1.	One day workshop on **"Energy Storage"** in association with mentee institute Dayalbagh Educational Institute (DEI), Agra	**Dr.V.Hima Bindu** Professor, CEN	29 April 2019
2.	One week training and to carryout research project on **Nanotechnology Based Rapid Prototyping** at Dayalbagh Educational Institute (DEI) , Agra	M.Tech Students, CNST	15–20 April 2019
3.	Organized two day workshop on "3D Printer Technology and Its Fabrication"	**Dr.CH.Shilpa Chakra** Assistant Professor, CNST	15-16 March 2019
4.	Faculty members of 1.1 and 1.3 institutions, i.e JNTUH IST and DEI Agra have jointly guided three Environmental M.Tech students dissertation work under twinning component, supported by TEQIP III and have done their project work under the DEI faculty Professor Ajay Saxena, & Dr.Radhika Singh	**K..Abhinay Deep** (16031D3118) **A.UdayKiran Abhishek** (16031D3117) **M.Dakeshwar** (16031D3109)	11 February 2019

Industry–Institute Interaction

S.no	Title of the Programme	Name of the Faculty	Dates of the Programme
1.	Industrial visit to Ameenpur Lake and Waste Ventures, a Solid Waste Management at Ameenpur, Sangareddy for 50 students of CEN(30) and CBT(20)	**Dr.CH.Sasikala** Professor, CEN	06 March 2019
2.	Industrial visit to NRSC Ground Station at Shadnagar as part of Science day (56 Students)of CSIT & CEN.	**Dr.T. Vijaya Lakshmi** Assistant Professor, CEN	1 March 2019
3.	Industrial visit to Mallaram Water Works, Chinnakodur, Medak on. Mallaram Water works, Chinna Kodur, Medak	**Dr.K.Ramamohan Reddy** Professor, CWR	16 February 2019
4.	Industrial visit to Waste water treatment facility at Amberpet, Hyderabad	**Dr.V.Hima Bindu** Professor, CEN	14 February 2019
5.	NBA revisit assessment and advice for shortfalls to Institute of Science and Technolgy, JNTUH.	**Dr.Sandeep Grover,** Professor of YMCA University of Science & Technology, Faridabad	9 February 2019
6.	Campus placement for Faculty positions from Sri Chaitanya Techno Schools	**Dr.A.Uma** Assistant Professor, CBT	8 February 2019

MOOCs and Digital Learning

Title	Name of the Faculty
NPTEL-towardsexamination fee for NPTEL online course on"Designing Learner Centric MOOCs".	**Dr.CH.Shilpa Chakra,** Assistant Professor, CNST
"Designing Learner Centric MOOCs"at IIT Chennai towards examination fee for NPTEL online certification	**Dr.K.Venkateswara Rao**, Professor, CNST

MINUTES OF 19th MEETING OF BOARD OF GOVERNORS (BoG)

JNTUH INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MINUTES
of
19th MEETING of

BOARD OF GOVERNORS

Venue:

Meeting Hall of the Director, Institute of Science and Technology, JNTUH, Hyderabad

On 5th Saturday, January, 2019 at 11:00 AM

Members Present :

S. No	Name of the Member of BoG	Designation	Position in the BoG
1.	Prof. P. Jaya Prakash Rao	Former Chairman, State Council of Higher Education, Hyderabad	Chairperson
2.	Dr. Siva Kumaran	Director, Aurobindo Pharma Ltd.	Member
3.	Dr.RakeshwarBandichhor	Director, Dr. Reddy's Laboratories Ltd.	Member
4.	Sri. B. Gopala Krishna	Prof. Satish Dhawan Scientist and Former Dy.Director NRSC.	Member
5.	Dr. A. D. Rao	Regional Director (Retd), CGWB, Ministry of Water Resources	Member
6.	Dr. K. Yella Reddy	Dean, Faculty of Agriculture Engg.,& Technology, ANGRAU, A.P	Member
7.	Dr.K.Ramamohan Reddy	Professor of Water Resources, IST, JNTUH.	Member
8.	Dr. G. Krishna Mohan	Professor of Pharmacy,CPS, IST, JNTUH	Member
9.	Dr. Sandeep Grover	Professor, Dept. of Mech. Engg, YMCA University of Science & Tech, Faridabad.	Member
10.	Dr. B. N. Bhandari	Director, academic & Planning, JNTUH	Member
11.	Prof.K.HansRaj	Dean, DEI	Member
12.	Dr.Bh. Nagabhushan Rao	Mentor, IST-TEQIP III	Special Invitee
13.	Dr.A.Jaya Shree	Prof of Chemistry , CCST, IST	Special Invitee
14.	Dr.A.Lingaiah	State Project Coordinator	Special Invitee
15.	Dr.T.Vijaya Lakshmi	Asst Prof of EST, CEN IST & Coordinator TEQIP-III	
16.	Dr.B.Venkateswara Rao	Director, IST, JNTUH	Member Secretary

Agenda

Item No.	Description of Item
UNIT: I ACTION TAKEN REPORT	
01/19 BoG _Jan -19	Presentation and action taken report by the Director, IST, JNTUH after 18th BoG Meeting dated 30- 06-2018
UNIT-II: ITEMS FOR CONSIDERATION AND APPROVAL	
02/19 BoG _ Jan -19	Minutes of the 18th BoG meeting held on 30th June 2018 – for consideration and approval.
03/19 BoG _ Jan -19	Expenditure incurred since 18th BoG to till date in TEQIP-III – for consideration and approval.
04/19 BoG _ Jan -19	Consideration and approval for organizing National and International conferences / workshops / training programs
05/19 BoG _ Jan -19	Consideration and approval for latest edition of learning resources for all the centres under TEQIP - III.
06/19 BoG _ Jan -19	Consideration and approval for meeting the publication charges to encourage and increase publications in SCI journals.
07/19 BoG _ Jan -19	Consideration and approval of expenditure towards qualification upgradation of technical support staff during TEQIP-III Project period only.
08/19 BoG _ Jan -19	Consideration and approval for re-appropriation of fund allocated for certain equipment/ goods.
09/19 BoG _ Jan -19	Consideration and approval for cancellation of certain equipment and request for replacement with new equipment.
10/19 BoG _ Jan -19	Consideration and approval of Budget proposals submitted by all the Centres of IST.
11/19 BoG _ Jan -19	Consideration and approval for making FD's from the TEQIP I & II Four Funds in the same account
12/19 BoG _ Jan -19	Consideration and approval for MoU between Western Sydney University, Australia and IST, JNTUH.
13/19 BoG _ Jan -19	Consideration and approval for enhancement of TEQIP-III staff salaries
UNIT-III : ITEMS FOR RATIFICATION	
14/19 BoG _ Jan -19	Ratification of the action taken by the Director towards amount transferred to TEQIP- III maintenance account. (i) Transfer of an amount of Rupees Five lakhs from IST general fund account. (ii) Transfer of an amount of Rupees One crore (Hundred lakhs) from University Development Fund.
15/19 BoG _ Jan -19	Ratification for change in expenditure approved under R&D to the head of Graduate Employability head.
16/19 BoG _ Jan -19	Ratification of the expenditure incurred towards air travel by Ms. Kalyani, Lecturer, as resource person during NBA workshop at DEI, Agra.
UNIT-IV: ITEMS FOR INFORMATION	
17/19 BoG _ Jan -19	Brief report on the Performance Auditing and Mentoring conducted during August/ Sept 2018.
18/19 BoG _ Jan -19	Status of the mini project works by the faculty members and M.Tech project works by the students, supported under R&D component.
19/19 BoG _ Jan -19	Information about the constitution of few important committees and appointment of Coordinators, as part of Good Governance at IST.
20/19 BoG _ Jan -19	Any other item with the permission of the Chairperson

MINUTES OF THE 19TH BOG MEETING

The 19thBoG meeting was convened in the Meeting Hall of the Director, Institute of Science and Technology, JNTUH, Hyderabad at 11a.m, on 5th Jan., 2019.

The meeting of the Board of Governors was chaired by Prof. P.Jaya Prakash Rao, Hon'ble Chairperson, BoG. Chairman BoG welcomed all the BoG members to the 19thBoG Meeting and conveyed seasons greetings to all the members. He asked Prof. B.Venkateswara Rao, Director, IST, JNTUH to present the detailed agenda of the meeting for discussion.

Prof. B.Venkateswara Rao, Director, IST, JNTUH extended a hearty welcome to The Chairperson, Members of the BoG and Special Invitees. Director conveyed New Year greeting to all the members of the governing body. He made a presentation on significant activities taken up and achievements to the honourable members of the BoG. Details of action taken report, was presented by the Director IST to the members of the BoG. With the Chairperson's consent, agenda of the meeting was placed for consideration, discussion and for relevant ratifications in detail.

In the opening remarks, Hon'ble Chairperson, appreciated the overall performance of the IST and TEQIP III project activities. Chairperson made suggestive remarks about the Good Governance practices at IST. Though he had appreciated about the constitution of various committees for execution of TEQIP III project and other activities of IST for improved transparency, Director, IST suggested to give a broad approach for the same by addressing improvements in Examination system, result processing, minimum expenditure, space enhancement and the steps to be taken to satisfy and reach to the stake holders. Director, IST also informed that examination branch is in the process of preparing question bank for easy conduct of examination system, as one of the good governance practice.

Action taken report was presented by the Director, IST. He brought to the notice of the members that, out of the total TEQIP III project amount, 50 % of the funds are allocated towards procurement process and IST has booked more than 80% of the expenditure under this head against the NPIU's suggestive figure of 70%. Out of the 40% allocated budget for academic processes, IST had spent approximately 20% towards various activities and this needs an improvement.

Dr.Siva Kumaran, Member BoG had asked to identify the bottle necks for all the activities of Academic Processes Spending is low and some activities still are not initiated. Prof.Nagabhushana Rao, Mentor had suggested to improve academic processes and list outcomes and effectiveness of the procurement of Equipment in terms of teaching, learning and research competence either in Curriculum Improvement, or in R&D project execution and networking.

Dr.K. Hans Raj, Member and special invitee from DEI, Agra, 1.1. Institute suggested that joint activities like rainwater harvesting, establishment of 3D printing facility to be included under academic processes. He

had brought out the problems faced by the institutes while going for accreditations and NIRF ranking as emphasis is given to research and comparison with the national institutes, like IISc, IIT's .

Dr.RakeshBandichor, Member BoG, suggested that IST should aim to be a top class institute, and invest money on digitalization of processes, portal based examination, establishment of advanced laboratory facilities, and improving institutional memberships in professional bodies / societies (like American Chemical Society chapter). He proposed that 2 -faculty members and 8 students of IST may work for continuous improvement at their advanced laboratory facilities. He extended support to advice and train faculty members and students of IST in the field of Bio catalysis, advanced instrumentation like TGA/ XRD/ X- RAY/NMR/ MASS/ / HPLC/ GC/ KFIR / RAMAN/ modelling and simulation and in advanced areas of continuous manufacturing in chemical engineering and chemical sciences. He expressed his willingness to be part of the Industry Council Cells at CCST, IST.

Prof.Nagabhushana Rao, Mentor IST, initiated an elaborate discussion on Performance Report of IST, in connection with the TEQIP III project and on the very basic proforma adopted by the NPIU in carrying out Performance auditing. Mentor informed to the members of the BoG that he had suggested and advised few criteria for inclusion / exclusion in the generic proforma of the Performance auditing procedure and mentoring procedures to the NPIU, MHRD, exclusively for JNTUH IST as the institute offers only post graduate programs. Mentor also stressed up on improving IPR, patents, and establishing a mechanism for commercialization of products as all the faculty members of IST are Ph.D holders.

Chairperson and a few members have suggested steps to improve the performance on parameters where the score is 2 and above in the performance audit. Parameters / Activities like programme accreditation, implementation of AICTE mandate, percentage of faculty to opt refresher courses over SWAYAM portal, number of industry partnerships for placement activity and assistance in terms of short term advisory and consultancy services to 1.1 institute. They suggested more emphasis on twinning activity.

Chairperson, BoG expressed that IST Faculty members may work to improve Consultancy, and Internal Revenue Generation., despite workload of the faculty members as one of the constraints.

Dr.Sivakumaran had suggested to call for a faculty meeting along with industry council cell members to identify the gaps, and problems in increasing the consultancy. Dr.K.Yella Reddy expressed that motivation of faculty is important and stated that career advancement and promotions may be linked with.

Dr.RakeshBandichor, reiterated that the faculty members having problem solving competency, expertise and aptitude towards unique way of offering solutions innovatively to the industry may be identified and showcase the faculty members expertise. A purposeful research and consultancy may be advised as mandate to all the faculty members.

After a thorough discussions and exchange of opinions, constructive remarks, the detailed agenda was presented to the BoG, for consideration and approval, for ratification and for information by the Director IST. The minutes of the meeting as per the agenda and item, is given below. :

UNIT: I ACTION TAKEN REPORT	

01/19 BoG _Jan -19	**Presentation and action taken report by the Director, IST, JNTUH after 18th BoG Meeting held on 30- 06-2018.**
	
	The Director, IST summarized the activities and action taken after the 18thBoG meeting.
	
	Item wise action / activity taken report :
	
	Action taken report is as follows:
	
	❖ **Procurement of Goods:**
	   − Out of the total allocated budget of Rs. 350 lakhs, an amount of Rs. 197,46,745**/-**has been incurred towards procurement of goods / items under the head of Procurement. The expenditure in pipeline is **Rs.** 130, 88,095.
	
	❖ **Academic Processes:**
	
	Faculty members, technical staff and students of respective centres of the IST have organized and participated in number of activities with the support of TEQIP III project, during July -Dec 2018.
	Renowned subject experts had delivered lectures for knowledge enhancement in the subject domain to increase interaction with the industry and academia. Industrial visits were organized for the benefit of the students.
	A semester long Soft skills Training program (12 Sessions) was given to the students of 2018 A.Y, to enhance employability skills. List of all the events organized / participated is as given in Annexure-I.
	
	Twinning Activities:
	   − A two day workshop on NBA, e-SAR preparation, Mapping of CO-PO was offered by the IST faculty members to the DEI faculty members during 17-19, Dec., 2018.
	   − Prof.V.Hima Bindu, Head, CEN has visited DEI to execute joint R&D project. Three of M.Tech Environmental Management Students have carried out their project work under joint supervision of DEI and Centre for Environment, IST.
	   − During December 15-17, 2018, Director, IST and Registrar, JNTUH have visited Dayalbagh Educational Institute (1.1 Institute) under Twinning activity of TEQIP III.
	   − A two day workshop on Good Governance was organized by 1.3 institute to the faculty members of DEI, Agra, a 1.1 institute.
	   − A two day workshop was organized at IST JNTUH by the DEI faculty members, on
	"Recent Trends in Optimization Studies for Engineering Applications" during 13-14, Aug 2018 and another workshop on "Industrial Waste Management" by Centre for

Environment, IST under twinning activity. Faculty members from Dept of Civil Engineering from DEI have participated in the workshop.

❖ **Incremental Operating Cost:** Internal Auditing and Statutory Auditing was carried out for TEQIP-III project during June 15-16, 2018 for the years 2017-18. Reports from both the auditors are without any objections, further pending Audit for the 1st half of 2018-19 to be conducted shortly.

This item is submitted for the approval of BoG.

BoG Approved the action taken report by the Director, IST.

UNIT-II: ITEMS FOR CONSIDERATION AND APPROVAL

02/19 BoG _ Jan -19	**Minutes of the 18thBoG meeting held on 30th June 2018 – for consideration and approval.** The Chairperson and members of the governing body approved the minutes of the BoG meeting held on 30th June,2018 is attached as in **Annexure-I**
03/19 BoG _ Jan -19	**Expenditure incurred since 18thBoG to till date in TEQIP-III – for consideration and approval.** The head wise expenditure incurred since 18thBoG 2018 is presented. During the presentation, the Director, IST, has mentioned about the expenditure incurred and the total amount in the pipeline to be spent by mid of March 2019. However in the agenda, the expenditure given was only that of the actual expenditure. Shri.B.Gopala Krishna, Member has advised to present the actual expenditure and pipeline expenditure separately. It is incorporated in the agenda and the respective minutes. *(table below)*

Particulars	Allocated (Amount in Rupees)	Expenditure (Amount in Rupees)	Expenditure in Pipe line (Amount in Rupees)	Total	% on Total
Equipment	3,20,00,000	1,82,04,563	1,30,88,095	3,12,92,658	97.8
Furniture	18,00,000	15,42,182	0	15,42,182	85.66
Civil works	12,00,000	0	3,00,000	3,00,000	25
Total	3,50,00,000	1,97,46,745	1,33,88,095	3,31,34,840	94.67

Academic Processes

Particulars	Allocated (Amount in Rupees)	Expenditure (Amount in Rupees)	Expenditure in Pipe line (Amount in Rupees)	Total	% on Total
Improve Students Learning	6,00,000	2,58,653		2,58,653	43
Assistantships	64,80,000	5,22,000		5,22,000	8
Graduates Employabilit y	6,00,000	60,000		60,000	10
Faculty/Staff Development, Motivation	60,00,000	20,84,121		20,84,121	34.73
Research and Development	57,00,000	94,575	40,69,911	41,64,486	73.05
MOOCs and Digital Learning	5,00,000	0			
Mentoring/Twining Systems	35,00,000	7,06,422		7,06,422	20.17
Reforms & Goverance	20,00,000	5,29,003		5,29,003	26.45
Management Capacity Development	5,00,000	51,572		51,572	10.40
Services	6,00,000	1,48,000		1,48,000	24.66
Industry Institute-Interaction	6,00,000	68,454		68,454	11.33
Total	2,70,00,000	45,22,800	40,69,911	85,92,711	31.82

Operating Cost

Particulars	Allocated (Amount in Rupees)	Expenditure (Amount in Rupees)	% on Total
Consumables		89,937	
Operation & Maintenance of Equipment		2,07,276	
Office Expenses	10% on Total Allocation Budget	100,400	Total Percentage
Meeting Expenses		5,06,994	
Hiring of Vehicles		2693	
Travel Cost		3114	
Salaries		10,21,247	
Total	70,00,0000	19,31,661	27.60

The Chairperson and members of the governing body has approved the above expenditure.

04/19 BoG _ Jan -19	**Consideration and approval for organizing National and International conferences / workshops/ training programs**
	- The proposed academic activities like: conducting of workshops and training programs, under the academic process by the IST faulty members were submitted for consideration and approval. It is advised to list the programs as per the chronological order, rather than date of submission along with proposed budget for approval. - Members suggested to prepare a tentative calendar of events for better understanding and to minimize over lapping and in particular for institutional growth. The Chairperson and members of the governing body approved the following activities.
05/19 BoG _ Jan - 19	**Consideration and approval for latest edition of learning resources for all the centres under TEQIP - III.** To improve teaching, learning and research competency, procurement of latest audio-visual lecture series / software (ex. TERI lectures) and other learning resources can be procured from the head of procurement of goods. An amount of Rupees One lakh may be allocated for each Centre towards procurement of the same. The Chairperson and members of the governing body has approved the same.
06/19 BoG _ Jan - 19	**Consideration and approval for meeting the publication charges to encourage and increase publications in SCI journals.** Members of the BoG, has not recommended for provision for meeting the publication charges either in _**SCI**_ journals or in any other. Members suggested that the institute may meet the printing charges rather than publication charges like amount paid to the publishers towards printing of additional pages, figures and images in colour, hard copy of the publication, postal charges and any other changes of similar kind. The Chairperson and members of the governing body approved the item with modification mentioned above.
07/19 BoG _ Jan - 19	**Consideration and approval of expenditure towards qualification Upgradation of technical support staff during TEQIP-III Project period only.** The item was deferred by the members of the BoG, and advised to submit in detail in the forth coming BoG meeting.

08/19 BoG _ Jan -19	**Consideration and approval for re-appropriation of fund allocated for certain equipment/ goods.**
	In the 16thBoG minutes, procurement of Handheld GPS was approved for an amount of Rs.1,05,000/- Later, due to hike in prices, the cost has increased and is approximately Rupees 1,75,000/-. Hence, re-appropriation funds is requested to purchase the hand held GPS at cost of Rs.1,75,000/-
	The Chairperson and members of the governing body approved the same.
09/19 BoG _ Jan -19	**Consideration and approval for cancellation of certain equipment and request for replacement with new equipment.**
	During the procurement process under Cycle I, purchase orders were released for the procurement of Pyrolysis and Biogas digester. The vendors could not supply the above-mentioned equipment. Change in equipment is proposed and requested by the faculty member. The name of the equipment is **Pollution Monitoring Equipment,** which is useful in executing joint R&D project with DEI.
	The Chairperson and members of the governing body approved the same.
10/19 BoG _ Jan -19	**Consideration and approval of Budget proposals submitted by all the Centres of IST.**
	The budget in principle is approved but It is advised to circulate the revised statement of IST budget proposals as per the standard format and a copy of the minutes of the finance committee may be circulated to all the members.
	BoG approved the budget and the modified budget is attached as in **Annexure-II**
11/19 BoG _ Jan -19	**Consideration and approval for making FD's from the TEQIP I & II Four Funds in the same account**
	As per the suggestions of IST Finance committee, Director placed a request for approval for making FD's from the Four funds namely Corpus Fund, Faculty Development Fund, Equipment Replacement Fund, and Maintenance Funds which are in operation since TEQIP I and TEQIP II.
	The Chairperson and members of the governing body approved the same.

12/19 BoG _ Jan -19	**Consideration and approval for MoU between Western Sydney University, Australia and IST, JNTUH.** A mutually acceptable MoU proposal was initiated between Western Sydney University (WSU), Australia and IST, JNTUH. The purpose of this Memorandum is to provide a framework by which both the parties may in future explore joint activities together, in the academic areas of mutual interest. MoU is placed before the BoG members for approval. The Chairperson and members of the governing body approved the same. The copy MoU is attached as in **Annexure-III**
13/19 BoG _ Jan -19	**Consideration and approval for enhancement of TEQIP-III staff salaries** The Institute of Science and Technology is one of the institutes in the state, listed as one among the best institutes during TEQIP I and TEQIP II. Execution of the TEQIP Project is by hiring of staff and meeting the salaries of the staff from the incremental operating cost of the project with the approval of the BoG. During TEQIP II project period, i.e Nov 2013, four staff positions were approved and salaries were fixed, as per the recommendations of the BoG and the same is being continued during till to date – i.e TEQIP III project period at IST. - Accountant with a monthly salary of Rs 17,500/- per month - MIS Officer, with a monthly salary of Rs 17,500/- per month - PMS Officer, with a monthly salary of Rs 17,500/- per month - Support staff (attender) , with a monthly salary of Rs 12,000/- per month It is noted that constituent unit of JNTUH, i.e JNTUH College of Engineering Hyderabad (1.3 institute) has increased the staff salaries (consolidated amount) during the TEQIP III period as follows: - Accountant with a monthly salary of Rs 25,000/- per month - MIS Officer, with a monthly salary of Rs 22000/- per month - PMS Officer, with a monthly salary of Rs 22,000/- per month - Support staff (attender), with a monthly salary of Rs 16,000/- per month. Permission may be accorded by the BoG to enhance the staff salaries of TEQIP III project staff of IST in accordance with the salaries of the staff of JNTUH CEH TEQIP III Project, to maintain parity and being under the same University. This increase in salaries does not deviate from the allocated funds under incremental operating costs. Members of the BoG have approved the proposal submitted by the Director for enhancement the staff salaries of TEQIP III project, from the allocated funds under incremental operating costs as detailed below. - Accountant with a monthly salary of Rs 25,000/- per month - MIS Officer, with a monthly salary of Rs 22000/- per month - PMS Officer, with a monthly salary of Rs 22,000/- per month - Support staff (attender, with a monthly salary of Rs 16,000/- per month. The Chairperson and members of the governing body approved the same.
UNIT-III : ITEMS FOR RATIFICATION
14/19 BoG _ Jan -19	**Ratification of the action taken by the Director towards amount transferred to TEQIP- III maintenance account.**

	For running the TEQIP III project activities, the Director IST had – Transferred of an amount of Rupees Five lakhs from IST general fund account and – University authorities have transferred an amount of Rupees One crore (Hundred lakhs) from University Development Fund. The action taken by the Director is submitted for ratification. The Chairperson and members of the governing body ratified the same.
15/19 BoG _ Jan -19	**Ratification for change in expenditure approved under R&D to the head of Graduate Employability head.** In the 17thBoG minutes, an amount of Rs.60000/- was approved and sanctioned towards incubate share to MSME for selected project proposal under start up , submitted by Dr.D.Bhagawan, Post Doctorial student, under guidance of Dr.V.Himabindu, Prof., & Head, CEN, under the head of R&D activity, of TEQIP III project. Presently the expenditure is booked under Graduate Employability as Start up activity as per the advice of performance auditor to book certain minimum expenditure under each head. Hence, ratification is requested. The Chairperson and members of the governing body ratified the same.
16/19 BoG _ Jan -19	**Ratification of the expenditure incurred towards air travel by Ms. Kalyani, Assistant Professor (on Contract), as resource person during NBA workshop at DEI, Agra.** Ms.Kalyani, Assistant Professor (C) had visited DEI during 17-19 of Dec., as one of the resource person, and conducted a 2 day workshop on NBA process. Ms.Kalyani has flown along with other faculty member due to urgency. Hence the expenditure towards air travel during her visit was submitted for ratification. The Chairperson and members of the governing body ratified the same.
UNIT-IV: ITEMS FOR INFORMATION
17/19 BoG _ Jan -19	**Brief report on the Performance Auditing and Mentoring conducted during August/ Sept 2018**. Performance auditing of IST was conducted during 9th to 12th August, 2018 by Performance Auditor Dr. K A Radha Krishna Rao Professor & Head, Department of ECE, P.E.S. College of Engineering, Mandya. Over all, IST has attained a performance score of 1.52. Performance report of the institute as in **Annexure-IV** Prof.Bh. Nagabhushana Rao, Retd. Professor, Anna University, Mentor, IST JNTUH has visited IST as part of the Mentoring session during 10th to 12th October,2018 and has interacted with stakeholders, namely students, industry partners, and alumni and advised on various items to improve in the areas of research, academic performance and placements. Prof.Bh.Nahabhushana Rao, Mentor has stressed up on identifying commonality between among IST and DEI Agra., and stated that IST as one of the Unique institute under TEQIP III compared to other institutes, especially in terms of Science and Engineering. Members felt that GATE Coaching, improving faculty productivity and students employability, need to be given priority.

	The Chairperson and members of the governing body welcomed the action.
18/19 BoG _ Jan -19	**Status of the mini project works by the faculty members and M.Tech project works by the students, supported under R&D component.** Status of the sanctioned mini projects and student's project works under R&D component is listed and presented for information to the members of the BoG. The Chairperson and members of the governing body noted the progress.

19/19 BoG _ Jan -19	**Information about the constitution of few important committees and appointment of Coordinators, as part of Good Governance at IST.** The Director IST, has constituted few committees and appointed few faculty members as Coordinators at Institute level, so as to facilitate good governance practices. The Chairperson and members of the governing body appreciated the action taken by the Director IST.
20/19 BoG _ Jan -19	**Any other item with the permission of the Chairperson** Members and Chairperson advised to create a Whats App group of the BoG members, for easy, quick and better communication among the members. It has been addressed.
Dr.T.Vijaya Lakshmi, Asst. Professor of EST, Centre for Environment, and Coordinator, TEQIP III, has proposed vote of thanks. She conveyed thanks to all honourable the members and Chairperson of the BoG, for their valuable guidance, time and extended support for the development of the institution in general and in particular towards TEQIP III project implementation.	

Research and Development (R & D)			
S.No	Title of the Programme	Name of the Student	Dates of the Programme
1.	Attended GIAN course on "Advances in Additive and Digital Manufacturing at Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.	1)T. Tejaswini 2)K.G.V.Kalyan Srinivas 3)G. Akhila by M.Tech, CNST	25 – 29 March, 2019

1.Patents

S.No	Title	Name of the Faculty	Status of patent	Utilized Amount
2.	Patent application No:**4962/CHE/2012** titled "A Process for the Isolation and Purification of Lycopene from Rhodospirillum Sulfurexigens JA143T and Rhodospirillum Oryza JA318T and Utilization there of" to (APTDC).	**Dr.Ch.Sasikala** Professor, CEN	3 patents obtained and 1 patent is pending	**Rs.1,32,737/-**
3.	1)"A Process for Extraction of Neurosporene from a Novel Phototrophic Bacterium Rhodobacter Virids JA737 and Utiliztion There of" 2)A Microbiological Method Using Marin Water For The Production of Neurosporene From A Marine Bacterium Rhodovulum SPJA756T And Compositions Containing The Said Pigment And Process For Making The Same			
4.	For patent application No.4276/CHE/2013 titled "Phototrophic Purple Bacteria as Dietary Supplements and as Medicaments for Reducing Total Blood Cholesterol Triglycerides, LDL Cholesterol and food or Feed Compositions Contaiing Them			

2.Seed money for faculty Mini projects under R & D			
Centre	**Title of theProject**	**Name of the faculty**	**Amount in Rs.**
Centre for Bio technology	Screening of Sorgum Cultivars for High Antioxidant Activity	**Dr. A. Uma** Assistant Professor	200000.00
	Enhanced production of curcumin from hairy root rhizoclones and elicitation driven gene expression studies in Curcuma longa.	**Dr. Archana Giri** Associate Professor	200000.00
	In Vitro evaluation of antimicrobial and antioxidant activity of Anethum graveolens.	**Dr.L.Saida** Assistant Professor	200000.00
Centre for Chemical Sciences and Technology	Synthesis, molecular properties prediction and biological activity of citrate tagged 3-oxadiazole derivatives of fluoro quinolones	**Dr..A.Jaya Shree** Professor	Initiated
Centre for Environment	Impact study on mission kakatiya of Telangana State-A case study of Maryala Watershed using geospatial Technology	**Dr.M.Anji Reddy** Professor	178680.00
	Monitoring of Air Pollution and Studies on Specification, Source Appointment in Hyderabad Urban Environment with DE institution Dayalbagh,Agra.	**Dr.V.Hima Bindu** Professor	Initiated
	Diversity of Anoxygenic Phototrophic Bacteria of Marine habitats of India.	**Dr.Ch.Sasikala,** Professor	9792.00
	Assessment of Urban Carbon Foot Print and Heat Island: A Case Study of GHMC Area	**Dr.T.Vijaya Lakshmi** Assistant Professor	Initiated
Centre for Nano Science and Technology	Synthesis and Characterization ofGraphene/metal –metal oxide core shell Nanostructures for Non enzymatic glucose sensing	**Dr.K.Venkateswara Rao,**Professor	175073.00
	Adsorption studies and removal of fluoride from aqueous solutions using nano composite material	**Dr. CH.Shilpa Chakra,** Assistant Professor	199931.00
Centre For Water Resources	Assessment of Ground water quality with the effect of implementation of Rainwater harvesting Structures in the regions Fluoride Affected Areas	**Dr.M.V.S.S.Giridhar** Associate Professor	30000.00
	Surface Water Quality Analysis and treatment	**Dr.C.Sarala** Professor	Initiated
	Groundwater Modelling Subledu Basin	**Dr.B.Venkateswara Rao,** Professor	60000.00
	IDL lake kukatpally Restoration, Conservation and Management	**Dr.K.Ramamohan Reddy** Professor	Initiated
TOTAL			**11,90,087.00**

3.M.Tech students grant Rs.10,000/- for Research Project under R & D

S.No	Student Name	Roll.no	Title of the Project	Amount in Rs.
Supervisor with Designation : Dr.K.Venkateswara Rao, Professor of Nano Technology				
1.	G.Shiva Shanker	16031D6605	Metal Doped TiO_2 as Blocking Layer in Perovskite Solar Cells application	6326.00
2.	N.Anasuya	16031D6610		
3.	M.Shankara Swamy	16031D6609		
4.	R. Kiran Kumar Reddy	16031DA711		
5.	G.Srivasta	16031D6614		
6.	Y.C.V.Raman	16031D6613		
7.	Y.Krishna Sai	16031D6617		
8.	R. Sai Sri	16031DA708	Hydrothermal Synthesis of Molybdenum Oxide (MoO_3) Nanostructure for Gas Sensor applications	10000.00
9.	G.Aravind	16031D66104		
10.	B.Pravalika	17031D6607	Nano Material based Gas Sensor application	
11.	V.Anil	17031D6601	Nano Material based Nano fluid application	
12.	R.Archana	17031D6603	Nano Material based Hydrogen generation application	
13.	Sai Bhargava Reddy	17031D6609	Nano Material based Gas Sensor application	
Supervisor with Designation : Dr.CH.Shilpa Chakra , Assistant Professor of Nano Technology				
14.	D. Ramya	16031D6616	Flexible Transparent Conductive & Cellulose Silver Nanopaper	7386.00
15.	U.Sai Krishna	16031D6611		
16.	B.Niveditha Reddy	16031D6601		
17.	B.Anusha	17031D6602	Effect of Green Synthesized Metallic Nano Practicles on Secondary Metabolites	19828.00
18.	Farha Naaz	17031D6606	Effects of Nano Practicles on Secondary Metabolites	
19.	K. Vinay	17031D6616	Nano Material Based Self Cleaning Coating	19397.00
20.	T.Rakesh Kumar	17031D6608	Nano Material Based Super Capacitor Applications	
21.	Md. Basheer Abdullah	16031DA705		
22.	V. Sri Sai	17031D 6612		
Supervisor with Designation : Dr.V.Hima Bindu, Professor of Environment				
23.	G.Sumanth	16031D3106	Treatment of acidic wastewater from bulk drug Industry	
24.	Swamy Naidu	16031D3116	Recovery of Nutrients for Aqueous phase and solids from Microalgae using Hydrothermal process	

25.	Abhinay Deep	16031D3118	Syngas production from solid waste material	
26.	B.Meenakshi	16031D3102	Ammonia removal from Industrial wastewater by using electrochemical methods	49820.00
27.	S.Raju	16031D3119	Energy recovery from domestic sewage sludge using hydrothermal treatment	
28.	M.Dakeshwar	16031D3109	Waste to energy through pyrolysis	
Supervisor with Designation : Dr.CH.Sasikala, Professor of Environment				
29.	U.Roja	16031D3113	Role of Crystal Forming Bacteria in Desalination	10000.00
30.	M. Ravi Chander	17031D3112	Bacterial Discovery lab	
31.	M.Rakesh	17031D3111	Bacterial Discovery lab	
32.	G. Harshavardhan Reddy	17031D3106	Bacterial Discovery lab	
33.	Sai jagadeesh	17031D3115	Project work on Plastic concrete	
34.	B.Mounika	17031D3104	Composting Kitchen waste by using bacteria	
35.	N.Charan	17031D3114	Evapotranspiration in HF VF wetlands in and regions	
Supervisor with Designation : Dr.A.Uma, Assistant Professor of Biotechnology				
36.	C.Medha Rao	17031D0303		
37.	D.Narender	17031D0305		
Supervisor with Designation : Dr.Archana Giri, Associate Professor of Biotechnology				
38.	V.Rahelu	17031D0308		
39.	J.Deepika	17031D0302		
40.	Ms.P.Swecha	17031D0310		
Supervisor with Designation : Dr.L.Saida Naik, Assistant Professor of Biotechnology				
41.	Ms.T.Swapna	17031D0309		
Supervisor with Designation : Dr.B.Venkateswara Rao, Professor of Water Resource				
42.	Mr.Sevu	16031D5908		6380.00
Supervisor with Designation : Dr.M.V.S.S.Giridhar, Associate Professor of Water Resource				
43.	M.Rajesh	16031D5923	Contrast Between Different Types Of Lake Water Bodies In Hyderabad	9650.00
44.	D.Ajay	16031D5905		7800.00
Supervisor with Designation : Dr.R.S.Dwivedi, Academic Advisor, Center of Spatial Technolgoy				
45.	Mr.K.Arun Kumar	16031D3205		6160.00
	TOTAL			**1,52,747.00**