

**Minutes of the Faculty Members Visit From
Dayalbagh Educational Institute (DEI) to Institute of Science and Technology(IST), JNTUH under
Twinning activities, of TEQIP III**

25th- 27th May 2018, at IST, JNTUH Hyderabad.

Members Present:

- | | |
|--|---|
| <ul style="list-style-type: none">▪ Prof.A.K.Saxena , Director, TEQIP▪ Prof.K.Hans Raj, Coordinator, Twinning Activities TEQIP▪ Prof.Rahul Swaroop Sharma, Coordinator, PMS▪ Prof.C.Patvardhan, | <ul style="list-style-type: none">▪ Prof.B.Venkateswar Rao , Director IST, JNTUH▪ Prof.M.Anji Reddy, Director R & D and Member BoG-IST▪ Prof.K.Rama Mohan Reddy, Member BoG-IST▪ Prof.Ch.Saikala, Coordinator, Start Up▪ Dr.Ch. Shilpa Chakra, Coordinator -PMS▪ Dr.T.Vijaya Lakshmi , Coordinator TEQIP III, and Heads of the Centres, IST JNTUH. |
|--|---|

Day 1 : 6.30 pm to 7.30pm , 25th May 2018.

- Prof. B.Venkateswar Rao, Director IST, has welcomed Faculty members from DEI, Agra to IST, JNTUH., for the 1st Faculty exchange visit from DEI, under Twinning activity, between Sub Component 1.1 and 1.3 of TEQIP-III program. The introductory meeting on day one was attended by Hon.'ble Chairperson, Governing Body IST-JNTUH and internal members of the BoG along with functionaries of the TEQIP Project.
- Prof A.K.Saxena, Dean briefed about DEI, academic programs, governance and philosophy of the institute to the members.
- Prof.P.Jaya Prakash Rao, Hon.'ble Chairperson, BoG-IST, interacted with the members of the DEI. The Hon.'ble Chairperson, BoG opined that short term and long term action plans need to be framed for successful implementation of the TEQIP III project at respective institutes. He expressed that certificate programs may be offered based on the expertise available and as per the needs and demands. Prof B.Venkateswar Rao felt a visit to DEI, may be planned with Hon.'ble Chairperson and other members from IST to DEI.
- Prof.M.Anji Reddy, Director R&D and Internal BoG member, shared his views in strengthening Geomatics division at DEI and possibility of training the Civil Engineering faculty and students of DEI. Prof.K.Rama Mohan Reddy, Internal BoG member, suggested about NBA and filling up of eSAR and about enhancement of employability. The Day one meeting ended with a brief exchange of views and understanding on future course of actions and activities.

Day 2 : 10.00 am to 6.00 pm , 26th May 2018.

- Prof. B.Venkateswar Rao, Director IST, introduced all the faculty members of the IST,JNTUH to faculty members of DEI. The Director, IST reiterated the NPIU's objective of twinning arrangement under TEQIP III to all the members present. It is evident that the institution under Sub-component 1.1 will make twinning arrangements with high performing state-government institution (earlier participated in TEQIP-I & or TEQIP-II) selected under Sub-component 1.3. The primary objective of the twinning arrangements will be to support the priorities identified by Sub-component 1.1 institutes in their IDPs and Action Plans respectively. and Sub-component 1.3 institute will provide training and guidance to build the capacity of participating institutes.
- After briefing session, Prof.B.Venkateswar Rao, in-detail, reviewed the status of the previous visits and minutes.
- Discussions by the faculty members were well focused and initiated future course of interactions **at five levels** , by both the institutes, and are itemized below:
 - i. **board of governors (BoG); TEQIP Project management and institute governance :**
 - DEI has reconstituted the BoG members and is still pursuing with the UGC , AICTE and State Government for nominations as members of the BoG, through SPIU, UP. It is suggested that, a Governing body meeting may be called at the earliest.
 - It is recommended to have an autonomy status to Faculty of Engineering, from the University , as part of good governance.
 - Recruitment of TEQIP project staff may also be taken on priority, for smooth execution of the TEQIP Project.
 - Maintenance of Sustainability Funds / Four Funds : establishing four funds in a Bank account, namely the Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund by transferring and maintaining 2% of the IRG.
 - It is advised to take GST/ PAN for the institute , immediately.
 -
 -

ii. FSD and student exchange programs

At individual capacity each faculty member of IST has interacted with the DEI Team and arrived to initiate few activities under FSD and Student support activities.

- During the previous visit made by the IST faculty members to DEI, it was agreed to send 2 faculty members along with students for training on Geomatics. Prof.Hans Raj, informed that two faculty members from Dept. of Civil Engineering along with 5 students would be visiting Centre for Environment, IST to get training and hands on experience on Geomatics, Waste water treatment technologies between 12th -17th of June 2018. Dr.T.VijayaLakshmi, CENIST will be coordinating the training program.
- It is agreed to have an awareness 3 day workshop on 3-D printing technology in the month of July 2018. Prof . R.S.Sharma from DEI will coordinate the workshop and will be organized at IST, and Dr. Ch.Shilpa Chakra will be coordinator from IST, for the workshop.
- Dr.L.Saida Naik,IST will coordinate with Prof C.Patvardhan, DEI in organizing expert / lead lectures on **Optimization, Characterization and Simulation** , initially during August 2018.
- Prof.K.Venkateswar Rao, has taken the lead to offer a 3 day workshop on MOOC'S , Online course content development, Swayyam as per the AICTE guidelines. The workshop will be organized at DEI, Agra during September 2018.
- An intensive field guidance and workshop on Mapping of Aquifers and Rain water harvesting structures is planned during September and October 2018. The workshop will be coordinated by Dr.M.V.S.S. Giridhar from IST and Prof. Hansraj from DEI.
- DEI agreed to work jointly on the topics Solid waste treatment by pyrolysis, Syn-gas production from solid waste material, and Enhancement of biohydrogen production through mixed consortia, and work on hydrogen energy driven vehicles, as suggested and submitted by Prof.V.Hima Bindu, Head, CEN,IST.
- Prof.Maharaj Kumari, DEI will coordinate with Prof.V.Hima Bindu, CEN, IST, JNTUH are willing to work these areas. In addition, monitoring of air pollution, studies on speciation, source apportionment under R&D activity. It is agreed to do air quality analysis, at both the places i.e Agra and Hyderabad for volatile organics, cations and anions.
- In-view of the instrumentation facility, volatile organics will be analysed at at CEN IST, using GC MS - Pre concentrator and cations and anions analysis at DEI.

- Prof.Ch.Sasikala is interested to collaborate with DEI, on natural pigments extraction from bacteria for dyeing textiles for better environmental management and on aerobiology with Prof. Prof. Parul Bhatnagar and Dr. Ranjit Kumar Sinha respectively. Prof.Ch.Sasikala, would be offering a 5 day course to the faculty and Students on the above areas.
- Dr.T.VijayaLakshmi and Prof C.Patvardhan, had discussion on evolving and development of algorithms/ prototype for satellite image analysis and image interpretation, and also for aerial images, during the project period.

○

iii. joint conferences, and Research fellowships and training

- Prof A.JayaShree, Professor of Chemistry , invited DEI to participate in the upcoming International Conference on Chemical Sciences and Engineering, during Dec 2018.
- Prof RS.Sharma suggested that training and characterization of materials may be taken up by the CNST , IST for the benefit of Students. He also suggested that students can be encouraged to take up small dissertation works and course works at respective institutes.
- Prof B.Venkateswar Rao, expressed that process for identification of suitable students for research assistantship, Ph.D fellowship and respective budget allocation need to be taken up by the DEI immediately for effective utilization of grants. Meeting grants for soft components may need to be addressed on priority.

○

iv. networking between the members of the two BoGs, functionaries and industry partners

- Prof B.Venkateswar Rao, and Prof A.K. Saxena , felt that establishing network and contacts between the members of the two Governing Bodies of the institutes will lead to best practises towards Good Governance.
- Few visits by the Members of BoG and Hon.ble Chairperson may be planned in the near future along with functionaries. Prof B.Venkateswar Rao, suggested that, a visit by Mentor of the IST may be planned to follow up the activities and for guidance.
- Dr.T.VijayaLakshmi, expressed that, enhancing industry institute interaction as part of the twinning activity will facilitate in improving graduate employability ratio, and also improve soft skills among the students.

v. Presentation on PMS and PFMS and Financials:

- Dr Ch.Shilpa Chakra, PMS Coordinator, thoroughly explained the procurement process in TEQIP .
- Mr.RamaRaju, TEQIP accountant , explained about PFMS process, procedures for approval uploading and disbursement of money.
- Prof B.Venkateswar Rao, Prof.A.k.Saxena have mutually agreed to extend local hospitality to the visiting faculty members of the respective institutes. Travel expenditure will be met from the TEQIP III grants of the parent institute.
- Any expenditure towards experimental charges, / sample analysis / characterization and others will be as per the host institute norms.
- Prof B.Venkateswar Rao, advised DEI to allocate the budget faculty / %wise under different activity for smooth execution of the project. He mentioned about the fund allocation at IST , to various centres and Faculty members for carrying out various activities. Few points he mentioned are listed below:
 - Each faculty member is encouraged to take up a mini research project a with a seed grant of nearly 2.00lakhs , towards consumables, travel and contingency.
 - Post graduate students are encouraged to take up training at National Laboratories , IIT's / NIT's and other reputed R&D labs from the TEQIP grants. , and up to the tune of Rs 10,000/- per student can be supported under TEQIP to carry out dissertation work.
 - Improved student learning and graduate employability to the tune of 12 -15 lakhs
 - Expenditure towards Patents /IPR to faculty and students.
 - MOOC's and Digital Learning : 5 .00lakhs
 - Expenditure towards NBA, BoS meetings, Office automation and others can be met from TREQIP Funds.
 - For enhanced Industry Institute Interaction, industry visits and expert lectures can be organized and the expenditure incurred may be met from TEQIP project funds.
- The day was called off with visits to all the Centre of IST, and its facilities.

Day 3: 10.00 am to 12.30pm ,27th May 2018.

- Preparation of the minutes of the Visit and future activities was taken up by Dr.T.Vijaya Lakshmi, Coordinator, TEQIP III IST along with DEI Faculty members.
- A visit to CII- Godrej Green Building Council is made for understanding and facilitating Industry Institute Interaction.
- During the last visit under Twinning activity, Mr.K.S.Venkata Giri, Executive Director had visited DEI. He had suggested and extended invitaiton to DEI faculty and student to visit, CII Godrej GBC at Hyderabad, to understand the concepts of Green Buildings and green Products.
- He briefed about IGBC -Student's Chapter objective and purpose, suggested to start tripartite agreement between IST-DEI and CII GBC. This will enable the students to know about the opportunities and updates in Green Business. This tripartite agreement between DEI, IST and CII-GBC will assist in organizing the workshops, expert talks and seminars for benefit of students and faculty, on a regular basis. He also said , CII -Godrej GBC will be willing to offer academic courses like Energy Audit, Climate change & Sustainable development, to engineering graduates.
- He also mentioned that CII-Godrej GBC, organizes focused technical seminars, which are as under:
 - Green Cementech
 - Energy Summit (includes Power plant summit, Paper Tech , and Sugar Summit)
 - Green Building Congress.

The details will be shared with partner institutes and will be glad to extend a special invitation to the interested faculty members and few select students.

- He reiterated that employability opportunities in the Green business sector are increasing, and emphasized on skilling, training students and taking few students as interns, in the areas of Green Buildings, Energy sector.
- In addition, the DEI team witnessed the functioning of Phytoremediation system for treatment of domestic waste water and other energy conservation measures that are in practices at GBC.
- The day is called off with a note of appreciation to CII Godrej GBC Team and Faculty members of DEI.
