NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETREA

Technical Education Quality Improvement Program
(TEQIP-III)

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The National Institute of Technology Kurukshetra is a partner Institute in TEQIP-III under subcomponent 1.3, which aims at *Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutes*. The Institute has been selected as **Mentor Institute** to participate in twinning arrangements with **Government Engineering College, Bikaner, Rajasthan, as the Mentee Institute**. NIT Kurukshetra, as the Mentor Institute, is expected to help the Mentee Institute in strengthening the academics and research activities by sharing the knowledge and experience through mutual interactions, in streamlining various procedures & processes leading to overall improvement and capacity building and developing long-term relationship with the Mentee Institute. The TEQIP–III activities will be focused on all the departments / schools of Engineering disciplines and will also be extended to supporting departments- mainly Physics, Chemistry and Mathematics.

The project duration shall be three years (2017-2020). Under the project, an estimated total budget outlay for the Institute of approx. Rs. 7 Crore, spread over the project duration, has been allocated by NPIU.

SuggestedActivities

Some of the suggested activities under the scope of the project are given below:

A. Procurement of Goods
   - Equipment (for hostel, sports and any non-academic activity not permitted)
   - Learning resources (e-books, e-journals, software's, text book etc.)
   - Furniture (for hostel, sports and any non-academic activity not permitted, but allowed for TEQIP Cell)
   - Minor civil works (for hostel, sports and any non-academic activity not permitted, no new building), (repair, maintenance & extension allowed)

B. Academic Processes

- ➢ Improvement in Teaching, Learning and Research competence
- ➢ Improve student learning
- ➢ Student employability
- ➢ Increasing faculty productivity and motivation
- ➢ Establishing a twinning system
- ➢ Twinning arrangements with institutions under Sub-component 1.1to build capacity and improved performance
- ➢ Individual Institutional mentors

(Consultant services if required, can also be procured for the above said activities)

The details of the above sub-activities are as under:

- ▪ ***Improve student learning*** (The activities include: IIT/ NIT training to students at IIT/NIT or in parent institute; Induction Training; GATE Preparation Classes; Career Counselling, Student Counselling; Psychometric/ Diagnostic Test; Remedial Classes; Peer Learning; Student Visits to IIT & R&D organizations; GATE Registration Fee (only for final year students); Institutional memberships for professional societies eg, IEEE, ACM, IETE, CSI, Automotive Engineering, ISTE, IE(I), ASCE, ASME, for student chapters; Sponsorship of 20% on academic activities in Tech Fest; Registration Fees and TA/DA for students participating in Tech Fest of IIT/NIT; GATE Orientation Program, etc.)

- ▪ ***Research Assistantships*** (The activities include: Research Assistantship for full time Ph.D. students excluding QIP candidates, etc.)

- ▪ ***Graduates employability*** (The activities include: Start up activity; Soft Skill training (Industry Readiness); Finishing Schools, etc.)

- ▪ ***Faculty/Staff Development and Motivation*** (The activities include: Short Term Training Programs (STTP) in house; Registration fee and TA/DA for STTP in other reputed institutes; IIT training to faculty at IIT or in parent institute; Attending Conferences/ Seminars/Workshops; Qualification Upgradation; Support Staff training, etc.)

- ▪ ***Research and Development*** (The activities include:Attending Conferences/ Seminars/ Workshops for UG/PG/Ph.D students within or outside institute; Spares and consumables for UG/ PG student research projects; Seed Money for R & D for faculty research projects; Publication in peer reviewed journals

having citation & impact factor and Scopus index; Fees for patent filing for faculty and students, etc.)

- ▪ ***MOOCs and Digital Learning*** (The activities include: Certification fees for online courses (MOOC's); Development of MOOC's/ Online courses, etc.)

- ▪ ***Mentoring/Twinning System*** (should at least spend 3% of the PLA, include non- remunerative activities like: Two way faculty, staff and student exchange programs for training and academic activities; Joint R & D; Arranging seminars, academic meetings and conferences for students and faculty; Organizing Industry partnerships for joint R&D, internship and placement activities; Learning forums for improving governance practices, institutional management and reforms; Joint Advisory or consultancy services; any other activities as deemed mutually appropriate)

- ▪ ***Reforms and Governance*** (The activities include: Academic Reforms (ICC, BoS, Academic Council/ Senate, BoG); Accreditation & UGC Autonomy; Student Feedback & Faculty Appraisal, etc.)

- ▪ ***Management Capacity Development*** (The activities include: Management Capacity Building programs at IIM; NPIU workshops, etc.)

- ▪ ***Hiring Consultancy Services*** (It does not require activity plan, it will be required for all above activities for which the methods given in procurement shall be adopted)

- ▪ ***Industry-Institute Interaction*** (The activities include: Internships; Industry expert lectures; Placement Activities & Hospitality; Industry Visits, etc.)

C. Operating Cost:
- • Consumables
- • Operation and maintenance of equipments
- • Office expenses (The activities include: stationery; printing, etc.)
- • Meetings (only project related meetings)
- • Hiring of Vehicles (only for project activities)
- • Travel Cost (only for project activities)
- • Salary (for TEQIP office staff)

Earlier, the Institute has been benefited by participation in TEQIP-I and II. Under TEQIP-I, the Institute has expanded the UG and PG programs (New programs/Intake) and hence increased quality graduates. Also the infrastructure and resources were improved. Whereas, the focus of the sequel project TEQIP-II, was on expansion and strengthening of PG and Research programs and innovation. Under this, the Institute carried out various activities for overall improvement in PG education, demand driven Research and Innovation, as per the mandate of TEQIP-II.

All the faculty, staff and students of the Institute may participate in TEQIP-III activities and get benefited out of the Project for overall improvement in academics.