



BMS COLLEGE OF ENGINEERING, BANGALORE 560 019  
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-PHASE-II

SECOND MEETING | 13.10.2012 | SUB-COMMITTEE OF BOG | MINUTES

MINUTES OF THE SECOND MEETING OF THE SUB COMMITTEE OF BOARD OF GOVERNORS (BOG) FOR TEQIP PHASE II HELD ON 13<sup>TH</sup> OCTOBER 2012 AT 11.00 AM IN THE BOARD ROOM OF THE COLLEGE.

**MEMBERS PRESENT**

1. Prof.D.Thukaram, Chairman
2. Sri.M.Krishnaswamy, Member
3. Dr.K.Mallikharjuna Babu, Principal & Convenor

**ON INVITATION:**

1. Dr.G.N.Sekhar, TEQIP Co-ordinator I
2. Dr.L.Ravikumar, TEQIP Co-ordinator II
3. Dr.K.R.Suresh, Nodal Officer - Finance
4. Dr.M.S.Dharmaprakash, Nodal Officer – Procurement
5. Dr.K.Guruprasad, Nodal Officer - Equity Assurance Plan Implementation
6. Dr.Gowrishankar, Nodal Officer – Academic Activities
7. Dr.H.S.Guruprasad, Nodal Officer - Academic Activities
8. Dr.C.Lakshminarayan, Nodal Officer - Equity Assurance Plan Implementation
9. Sri.C.T.Puttaswamy, Nodal Officer - Civil Works including Environment Mgmt

At the outset, the Principal extended a cordial welcome to the distinguished members of BOG sub-committee. The Principal also extended a warm welcome to Prof. B. S. Sonde, Mentor, TEQIP Phase II for presiding over the meeting on a special invitation/request.

*Prior to the commencement of the meeting, the Principal informed the sad demise of Prof. L.S. Srinath. He recounted the guidance and suggestions provided by Prof. L. S. Srinath for TEQI-I activities and his association with him. The members observed a minute's silence in remembrance of Prof. L.S. Srinath.*

The Principal introduced the nodal officers introduced to the members of the Committee. He gave a brief description of impact of implementation of TEQIP (Phase-I). He also narrated regarding the objective of TEQIP Phase II and the action being initiated to achieve the target as per TEQIP plan.



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1. Dr.G.N.Sekhar, Vice-Principal & TEQIP Co-ordinator-I briefed the committee about the following TEQIP activities for the period from March 2012:
  - The institution received total grants of Rs.9.254 crores under TEQIP- I and the activities were successfully completed during March 2009. The final performance score of the institution with regard to implementation of TEQIP-I activities as per the Performance Auditor was 9.2 out of 10.
  - NIPIU has accorded 'No Objection' (vide mail dated 22.05.2012) for the TEQIP Phase II procurement plan for the period 01.04.2011 to 31.03.2014.
  - The main objective of TEQIP Phase II (Sub-Component 1.2) Scaling-up Postgraduate Education & Demand-driven Research & Development & Innovation.
  - M/S GRSM & Associates are appointed as the External Chartered Accountants for the TEQIP Phase-II. The Chartered Accountants from the said firm visited the college on 05.07.2012 and verified the financial documents of TEQIP Phase II for the year ending 31.03.2012.
  - Prof. B. S. Sonde, Chairman, All India Board of UG Studies in E&T (AICTE) is appointed as MENTOR to the College for TEQIP Phase II.
  - Prof. A. Subhash Babu, Professor, Department of Mechanical Engineering, IIT, Bombay is nominated as PERFORMANCE AUDITOR to the College for TEQIP Phase II.
  - SPFU conducted training / workshop on MIS & Financial Management between 11<sup>th</sup> & 13<sup>th</sup> April 2012 and the concerned staff members of the College attended the same. While on the subject, the Committee sought information on the names of the staff members who have been deputed for training.
  - Sri. B. N. Jayaram, Partner, M/s B. N. Jayaram & Co has been appointed as Internal Auditor.
  - The uploading of data of the college related to 2010-2011 to the web-based MIS is in progress. A tentative action plan for training, Equity & industry-academia linkage have been sent to SPFU as per their instructions.
  - A cheque for Rs. Two Crores towards the first installment of TEQIP-II grants was received by the college on 24.9.2012.
  - An interaction meeting with the Principals, TEQIP Co-ordinators of TEQIP Phase II funded institutions and Mentors was organized by SPFU on 09.10.2012. The Principal, Vice-Principal, TEQIP Co-ordinator I & II attended the meeting.



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2. Dr.L.Ravi Kumar, Co-ordinator II then made a brief presentation of the activities of TEQIP Phase II [Copy of the presentation is enclosed]

- The Committee noted that the targets of TEQIP Phase II have been set assuming that the proposal of the Institution for increase in intake from 18 to 24 for the existing Post-Graduate Courses would be favorably considered by the competent authority.
- *The Chairman of the BOG sub-committee suggested including renewable energy in addition to non-renewable energy in the areas identified to encourage research activities.*

**3. Guidelines for initiating procurement activities.**

**PROCUREMENT TO BE DONE BEFORE 31.03.2013**

- The Committee took note of instructions of the SPFU to commence procurement activities by re-scheduling the dates in the procurement plan.
- The matter concerning constitution of Central Purchase Committee (CPC) and Departmental Purchase Committee (DPC) to conduct the process of procurement was taken up for discussion.

After detailed deliberations, the members arrived at the following composition for the Central Purchase Committee (CPC) and Departmental Purchase Committee (DPC).

**CENTRAL PURCHASE COMMITTEE (CPC)**

- |  |                    |
|--|--------------------|
| 1. TEQIP Co-ordinator I                | Chairman           |
| 2. TEQIP Co-ordinator II               | Associate Chairman |
| 3. Concerned HOD or nominee of the HOD | Member             |
| 4. Faculty who submit the procurement  | Member             |
| 5. AAO                                 | Member             |
| 6. Nodal Officer – Finance             | Member             |
| 7. Nodal Officer - Procurement         | Member-Convener    |
| 8. Procurement Manager, BMSET          | Invitee            |

The Committee also suggested that one or two external experts can be opted if need be.



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**DEPARTMENTAL PURCHASE COMMITTEE (CPC)**

- |                                       |                 |
|---------------------------------------|-----------------|
| 1. HOD                                | Chairperson     |
| 2. Nodal Officer – Procurement        | Member          |
| 3. Two faculty members                | Member          |
| 4. Department Procurement Coordinator | Member-Convenor |
| 5. Faculty seeking the procurement    | Invitee         |

**Note:** The two faculty members may be from the same department or from other departments within the cluster of the related disciplines

It was resolved that the proposal of DPC will be further re-evaluated, recommended and forwarded to the Principal for his approval by the CPC.

**Roles of Committees:**

**Stage 1:**

Departmental Purchase Committee (DPC): After receiving the quotations from the Co-ordinator, TEQIP II, this committee will open the quotations, prepare the comparative statement and finally propose the purchase of the chosen items. This proposal will be placed before the CPC by the Procurement-Nodal Officer.

Central Purchase Committee (CPC): After receiving the purchase proposal from the DPC the CPC will further re-evaluate the proposal and recommend this for necessary approval of the Principal. The Co-ordinator, TEQIP II will place these recommendations to the Principal for his approval. The TEQIP office will issue the purchase order to the approved firms for the approved items.

**Stage 2:**

- After receiving the supplied items from the vendor, the HOD will submit the commissioning/installation/supply report to the Co-ordinator, TEQIP II
- After going through the report submitted by the HOD, the TEQIP Co-ordinator II will recommend and forward it to the TEQIP Office for necessary payment.

At this point, the convenor of the BOG sub-committee requested the concerned to prepare a detailed chart of the functions of procurement plan. TEQIP Co-ordinator I promised to prepare the same and will submit the same to the committee in its next meeting for its final approval.



#### **4. Teaching & Research Assistantships.**

##### **Proposal**

To sanction teaching assistantship of Rs.8,000/- pm to the Non-Gate students of M.Tech, admitted during 2012-13 onwards through VTU/KEA and Research assistantship of Rs.8,000/- pm to M.Sc.(Engg.) by research students admitted during 2011-12 and onwards limiting to a maximum of 40 students per academic year and Research assistantships of Rs.18,000/- per month for first 2 years and Rs.20,000/- per month to the full time Research scholars (8 Nos) enrolled in the college during 2011-12 and onwards under VTU for a period of maximum 4 years in total by following mainly AICTE guidelines for the disbursement of Teaching & Research Assistantship.

##### **Resolution**

The Committee approved the proposal to sanction teaching and research assistantship with slight modification to sanction teaching assistantship of Rs.8,000/- per month to the students who have qualified PG CET in respect of M.Tech students and to those who have registered for Full time M.Sc.(Engg.) programs. The teaching & research assistantships shall be sanctioned to the students who are not in receipt of any financial assistance with prospective effect. The committee asked the TEQIP Coordinators to prepare a draft for guidelines, Application Format, undertaking to be signed by the recipient, for the award of assistantships and to submit the same before the BOG subcommittee in its meeting for its final approval.

#### **5. Sponsoring faculty members for attending paper presentation abroad.**

The Committee took note of the financial assistance that can be offered to the faculty members for paper presentation abroad.

The Committee directed to consider the conferences of high level and refereed. The Committee also directed that the faculty be asked to give a lecture after or before the presentation at the conference.

With regard to time frame, the members opined that conferences organized by high level organization provide sufficient time of 18-24 months and hence the concerned faculty should simultaneously process their applications towards financial assistance, OOD etc., while preparing their papers to avoid unwarranted delay.

With regard to the SPFU's instruction to seek approval of the BOG, Prof. B. S. Sonde opined that the BOG may empower the sub-committee of such authority subject to ratification in the subsequent meeting of the BOG.



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**ANY OTHER SUBJECT**

Prof. B. S. Sonde appreciated the presentations made by Dr. G. N. Sekhar and Dr. L. Ravi Kumar, the TEQIP Co-ordinators I & II.

Prof. Sonde gave a brief presentation on the aims, goals of TEQIP Phase II [copy enclosed]

- Prof. Sonde brought to the notice of the Members that as per the amended regulation of VTU, permanent affiliation of the University for a period of five years would make a PG programme eligible for seeking academic autonomy. Prof. Sonde suggested for obtaining approval copies from the Registrar, VTU and to initiate the process for obtaining academic autonomy for all eligible PG Programmes.
- Institution need to be strengthened by incorporating the process of preparing the syllabus, question papers, annual calendar, orientation on university system of functioning, levels of decision making, etc.
- The Senior faculty members may conduct Refresher courses for the benefit of new faculty members in the areas of emerging technology;
- Pedagogy – Teaching learning courses, matrices for pedagogy is to be attended by everyone;

The Mentor informed that the first mentoring meeting will be held on 2<sup>nd</sup> & 3<sup>rd</sup> November 2012.

The meeting concluded with a vote of thanks to the Chair.

  
**PRINCIPAL and  
CONVENOR**

  
**CHAIRMAN,  
BOG SUB-COMMITTEE**

BRIEF PRESENTATION OF TEQIP II ACTIVITIES

BY

Dr.L.RAVI KUMAR, TEQIP CO-ORDINATOR-II

# BMS College of Engineering

(Autonomous College Under VTU)

Bangalore-560019



Late Shri B. M. Sreenivasaiah



Late Shri B. S. Narayan

## Initiatives of TEQIP-II

For  
**Sub-Component 1.2**  
**Scaling-up Postgraduate Education**  
&  
**Demand-driven Research & Development & Innovation**



# TEQIP-I

The institution received total grants of Rs.9.254 crores under TEQIP- I and the activities were successfully completed during March 2009. The final performance score of the institution with regard to implementation of TEQIP-I activities as per the Performance Auditor was 9.2 out of 10.

# TEQIP Phase-II THRUST AREAS

- **Faculty Development**
- **Scaling-Up Post-Graduate programmes and**
  1. **Research & Development**
  2. **Innovation**
  3. **Industry - Institute Interaction**
- **Strengthening of Institutions**
  1. **Reforms**
  2. **Competitive Funding**
  3. **Memoranda of Understanding**
- **Project Monitoring and Evaluation and Management Information System(MIS)**

# TEQIP Phase-II

## Objectives of TEQIP-II

- Increased enrolment in masters and doctoral programs
- Enhance quality and relevance of masters and doctoral programs
- III) Enhance demand driven and industry applied research and innovation by faculty and students

## Expected Deliverables

- Scaling up PG education : Increased enrolment in masters and doctoral programs, and graduated MTechs and PhDs
- Scaling up quality R&D and innovation
- Increased number of externally funded R&D projects
- Increased number of publications in refereed journals, citations and patents filed/obtained
- Scaling up industry – academia collaboration for demand driven R&D
- Increased percentage of revenue from consultancy and industry funded R&D projects
- Enhance collaboration with other institutions
- Increase in joint publications in refereed journals and joint research projects/consultancy

Nodal Officers	Names
TEQIP coordinator- I	Dr. G. N. Sekhar Vice Principal
TEQIP coordinator- II	Dr.L.Ravikumar Associate Professor Department of Mechanical Engineering
Academic Activities	Dr.Gowrishankar Prof. & Head Department of Computer Science & Engg [Training Need Analysis]
	Dr.H.S.Guruprasad Prof. & Head Department of Information Science & Engg [Activities like Research, strengthening of PG Programmes etc]
Civil Works including Environment Mgmt	Sri.M.C.Sampath Kumar Associate Professor Department of Civil Engineering  Sri.C.T.Puttaswamy Associate Professor Department of Chemical Eng
Procurement	Dr.M.S.Dharmaprakash Professor, Department of Chemistry
Financial Aspects	Dr.K.R.Suresh Professor, Department of Civil Engineering
Equity Assurance Plan Implementation	Dr.C.Lakshminarayan Professor, Department of Electrical Engineering  Dr.K.Guruprasad Professor, Department of Mechanical Engineering

# TEQIP Phase-II

## Proposed objectives (Institution Level):

- Strengthen the existing PG programs by establishing the state of art laboratories with the help of industries , research projects and consultancy activities.
- Start New PG Programmes [from the academic year 2011-12] in the demand driven disciplines and enhance the intake in the existing PG Programmes.
- Get autonomous status for all the PG Programmes .

- Encourage research in new areas like advanced materials and testing, non-renewable energy, building materials, composite materials, power electronics, theoretical and computational methods, communication systems etc.
- Enhance Faculty participation in conferences/seminars/workshops and training programs.
- Conduction of FDPs and training programmes in specific areas.
- Provide training for technical, administrative and supporting staff.

- Provide additional guidance to the slow learners.
- Enhance the interaction with the industry and well established R&D organisations.
- Provide career guidance and training on proficiency in technical English, communication skills , soft skills and personality development for improving the performance of SC/ST/OBC/Academically weak students through innovative methods.
- Provide teaching assistantships and research assistantships.

# Proposed new PG programs under TEQIP-II

S No	Department	Title of PG Programme
1	Information Science & Engineering	Computer Network & Engineering (Started during 2011 -2012)
2	Medical Electronics	Biomedical Signal Processing and Instrumentation
3	Electronics & Communication	VLSI Design and Embedded Systems
4	Chemical Engineering	Biochemical Engineering
5	Mechanical Engineering	Manufacturing Science and Engineering
6	Electrical Engineering	Power and Energy Systems
7	Civil Engineering	Geo-Informatics
8	IEM	Master of Engg Management

**Planning to enhance intake from 18 to 24** in the existing PG programs of Construction technology (Civil), Machine Design (Mechanical), Power Electronics (Electrical) and Computer Science & Engineering (Computer Science).



## Strengthening of R&D

- Establishment of centre of excellence in new emerging areas
- Increase in networking with Indian and Foreign universities
- Enhancement in IRG through consultancy
- Encouragement of industrial training/internship among students
- Creating awareness about the availability of Resources

## REPORT ON ACTIVITIES UNDER TEQIP-II

In accordance with the resolution of the BOM in its 43<sup>rd</sup> meeting held on 12.8.2010, the college submitted the Institutional Development Proposal[IDP] to the National Project Implementation Unit, New Delhi [NPIU] through the State Project Facilitation Unit[SPFU], DTE, Karnataka on 16.8.2010.

In continuation of the communication from the NPIU vide letter No. AC/TEQIP-II/1.2/11/488 dated 3.6.11, the college has entered into an agreement with the Government of Karnataka on 24.6.2011 for implementation of Project- TEQIP-II under TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE-II. The Chairman, BOM and the Principal attended the MOU signing ceremony. As per the MOU, the project became effective on 6<sup>th</sup> August 2010 and it is expected to be completed in 2014.

SPFU officials visited the college on 9.3.2011 and discussed with the HODs & the Nodal Officers about the proposed project plan. Further, they have verified the documents and ascertained the details submitted through IDP.

As per the communication received from SPFU, the college has constituted an 'Industry Institute Interaction cell (IIC)' and submitted a comprehensive report to the SPFU through letter dated 20.8.2011. NPIU through the letter dated 26.8.2011 sought all the institutions to submit a procurement plan online for duration of 1.4.2011 to 31.3.2014 in accordance with World Bank guidelines on or before 20.9.2011, later the same was extended to 30.9.2011. As per the guidelines of NPIU, the institutions were required to prepare the procurement plan for the project with a total allocation of Rs.12.5crores to be spent during the project period as below:

# Fund allocation for TEQIP from NPIU

**Indicative Category-wise Funding for Key Activities Per Project Institution Selected under Sub-Component 1.2 (Scaling-Up Postgraduate Education and Demand-Driven Research & Development and Innovation):**

S. No.	Activities	Category of Expenditure	Percentage (%)	Cost (Rs. in crore)		
1	Improvement in teaching, training and learning facilities	(i) Procurement of Goods : (a) Equipment   30% (b) Furniture   2% (c) Books & LR's & Software   7% (d) Minor Items   1%	40	5.000		
		(ii) Refurbishment (Minor Civil Works)			3	0.375
		(iii) Consultancy Services			2	0.250
2	Providing Teaching and Research Assistantships for significantly increasing enrolment in existing and new Masters and Doctoral programmes in Engineering disciplines	Teaching and Research Assistantships	20	2.50		
3	Enhancement of R&D and Institutional consultancy activities	Research and Development	5	0.625		
4	Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)	Faculty and Staff Development	10	1.250		
5	Enhanced interaction with Industry	Industry Institute Interaction	5	0.625		
6	Institutional Management Capacity enhancement	Institutional Management Capacity enhancement	2	0.250		
7	Implementation of Institutional reforms	Institutional reforms	1	0.125		
8	Academic support for weak students	Academic Support for weak students	2	0.250		
9	Incremental Operating Cost	Incremental Operating Cost <sup>25</sup>	10	1.250		
<b>TOTAL</b>			<b>100</b>	<b>12.500</b>		

After series of meetings and initial reviews towards the submission of Procurement Plan, the procurement proposals were made ready and the same were presented before an expert committee under the chairmanship of Prof.B.S.Sondhe on 16.9.2011

The recommendations of the expert committee for procuring equipments worth 338.83 lakhs(including miscellaneous items worth 12.27 lakhs), software worth 158.67 lakhs and furniture worth 2.5 lakhs were approved by the Chairman-BOM on 22.9.2011 and the college submitted the procurement plan online on 28.9.2011.

SPFU had organized “Governance Orientation Programme” on 30.9.2011 and the Principal (i/c) & the Chairman-BOM attended the same.

SPFU officials visited the college on 24.10.11 and held discussions with the HODs, concerned Faculty & Nodal Officers about the Procurement Plan submitted and suggested certain modifications. The following are a few suggestions from SPFU:

Grouping the related items to be procured to avoid multiple NCBs  
To transfer the budget allocated towards minor items worth Rs.12.27 lakhs to a specific equipment and it was agreed by all to add this amount for the Procurement of Mat Lab licenses for the college.

As per the guidance of the SPFU officials, a revised procurement plan was submitted and the NPIU has accorded no objection for the procurement plan on 22.5.2012.

The Programme Coordinator-I informed all the HODs and the concerned faculty to make a detailed survey of the market and prepare the list of specifications for each of the equipments proposed to be procured before March 2012.

The Board of Governors [BOG] of BMSCE in its meeting held on 18.11.2011 reviewed the activities and the report of TEQIP Phase –II . The BOG constituted a sub-committee under the Chairmanship of Prof.D.Thukaram. Sri.Krishnaswamy, Member BOG was nominated as member and Dr.K.Mallikharjuna Babu, Principal as the convenor of the sub-committee. The Chairman of BOG shall be a permanent invitee for the sub-committee. The BOG requested the sub-committee to conduct periodical(quarterly) reviews to monitor the activities of TEQIP Phase-II in the college and provide guidance for better implementation of the project.

As per the directions of the SPFU, a new SB account (No. 50092591605) for the operation of funds of TEQIP-II has been opened at Allahabad Bank, Hanumanthanagar Branch, Bangalore.

The NPIU has communicated the orders of MHRD vide F.No. 16-21/2011-TSVII(General), 16-21/2011-TS.VII(SC) & F.No.16-21/2011-TS.VII(ST) dated 30.12.2011 informing the approval for the release of first instalment of TEQIP grants (share of Central Govt., i.e.,75%) of Rs.116 lakhs for General, Rs.23 lakhs for SC & Rs.11 lakhs for ST.

**A cheque for Rs. 2 Crores towards the first installment of TEQIP-II grants has been received by the college on 24.9.2012.**



As per the approval of BOG, a request has been sent to NPIU with a copy to SPFU, vide letter dated 9.1.2012, seeking permission for utilization of Rs.37.5 lakhs [allocated for refurbishment (minor civil works)] towards procurement of goods.

**Series of Nodal Officers meetings have been conducted to take actions against the proposed action plans. New PG programme started during the academic year 2011-12 M.Tech in Computer Network & Engineering**

### **Appointed Internal Auditor**

Sri.B.N.Jayaram, Partner, B.N.Jayaram & Co has been appointed as Internal Auditor

## Clarifications sought:

- 1) Guidelines for utilisation of TEQIP funds category-wise:  
The Institution Development Plan [IDP] submitted was as per norms of Project Implementation Plan [PIP] and there was no category-wise allocation of funds. However, the communication received from NPIU informs that the MHRD expects the grants be spent category-wise namely, General, SC & ST. Guidance /Suggestion is sought in this regard.
- 2)Sponsoring faculty members for attending workshops/training/seminars/conferences paper presentation in India and abroad through TNA as per the guidelines of SPFU and NPIU.
- 3)constitution of a few sub-committees
- 4) Retention of full IRG- Best practices

Sl. No.	Activities	Category of Expenditure	Cost (Rs.in Crores)	Sanctioned 200Lakhs
1	Improvement in teaching, training and learning facilities	i)Procurement of Goods: a) Equipment - 30% b) Furniture - 2% c) Books & LRs &- 7% Software d) Minor items -1%	5.000	80 lakhs
		ii)Refurbishment(Minor Civil Works)	0.375	6
		iii)Consultancy Services	0.250	4
2	Providing teaching & Research Assistantships for significantly increasing enrolment in existing & new Master's and Doctoral Programmes in Engg Disciplines	Teaching and Research Assistantships	2.500	40
3	Enhancement of R&D and Institutional consultancy activities	Research & Development	0.625	10
4	Faculty & staff development for improved competence based on Training Needs Analysis	Faculty & Staff Development	1.250	20
5	Enhanced interaction with industry	Industry institute interaction	0.625	10
6	Institutional Management Capacity enhancement	Institutional Management capacity enhancement	0.250	4
7	Implementation of Institutional reforms	Institutional reforms	0.125	2
8	Academic support for weak students	Academic support for weak students	0.250	4
9	Incremental Operating Cost	Incremental Operating Cost	1.250	20
	TOTAL		12.500	200

Sl. No.	Activities	Category of Expenditure	Cost (Rs.in Crores)	Sanctioned 200Lakhs
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7	Implementation of Institutional reforms	Institutional reforms	0.125	2
8	Academic support for weak students	Academic support for weak students	0.250	4
9	Incremental Operating Cost	Incremental Operating Cost	1.250	20
	TOTAL		12.500	200

## **Training of Faculty/Staff under TEQIP II**

**Training Need Analysis was done in the college during June 2012 and the proposals for the training of faculty & Staff were sought from all the Head of the Departments. Based on the proposals received , the following tentative action plan for the period Oct 2012 to March 2013 has been drawn.**

Items	Activities/Indicators	Activities/Indicators planned Oct 2012 to Mar 2013	
		Nos. Target	Cost Estimate (Rs in lakh)
Faculty members training in subject domain	No. of faculty members to be trained in teaching/research subjects	105	17.7
	No. of faculty members attending conferences/workshops/symposia	47	27.17
	No. of faculty members attending industrial training	17	24.16
Upgrading qualification of faculty members	No. of faculty members enrolling for higher qualification	04	3.5
Faculty training in management capacity development	No. of faculty members attending training in management capacity development	09	2.25
Training of technical staff	No. of technical staff members attending various trainings	34	6.86
Training of administrative / support staff	No. of administrative/support staff members attending various trainings	69	6.05



**Thank you**

BRIEF PRESENTATION ON AIMS, GOALS OF TEQIP II

BY

PROF.B.S.SONDE



# **MENTORING UNDER TEQIP II – IMPORTANT FEATURES**

**Prof. B. S. Sonde**

# **TEQIP II - PROJECT GOALS**

- **Strengthening Institutions to Produce High Quality Engineers for Better Employability**
- **Scaling Up PG Education and Demand Driven R&D and Innovation**
- **Establishing Centers of Excellence for Focused Applicable Research**
- **Training of Faculty for Effective Teaching and Collaborative R&D**
- **Enhancing Institution & System Management Effectiveness**

# What is Mentoring?

- **Third Party Strengthening Mechanism at the Institutional Level Specifically Introduced to Help Achieve the Project Goals**
- **Providing Each Institution with Guidance on Reforms, Implementation Plans & Remedial Actions to Improve its Performance**
- **To be Conducted 2-3 Times/Year by a Mentor, a Senior Academic Appointed by SPFU for Each Institution in Consultation With NPIU**
- **Mentor to be *Friend, Philosopher & Guide***

# **Mentoring Objectives**

**Guiding/Assisting Each TEQIP II Institution to Implement the Project Components as per its IDP, Mainly Aiming to Increase:**

- Learning Outcomes**
- Employability of Graduating UG/PG Engineers**
- Enrolment at PG & Research Degree Levels**
- R&D Collaboration with Industry**
- Faculty R&D- Paper/Patent/Product Outputs**
- Autonomies- Academic, Admin & Financial**
- Effective Institutional Governance**

# **Mentor's Responsibilities**

**To Mentor Regularly 2-3 Institutions Assigned**

**To be Conversant with the Documents Listed:**

**(a) Institutional- IDP & Action Plan Proposed**

**(b) TEQIP- PIP for Project Details & Concepts**

- Employability & Skill Set of New Engineers**
- Impact Evaluation of TEQIP I**
- Utilization of Resources Created under TEQIP**
- Faculty Development Evaluation**
- Good Practice Guide For Governing Bodies**
- Improving Performance of Weak Students**

# **Mentor's Responsibilities (2)**

**To Guide/Assist in Carrying Out Reforms, Like:**

- Planning/Implementation of New Curricula**
- Exercise of Autonomies-Academic & Other**
- Improving Student' Performance Evaluation**
- Implementing Faculty Appraisal by Students**
- Obtaining Accreditation by Approved Bodies**

**To Guide/Assist in Key Activities, Like:**

**Academic Support to Weak Students, Faculty  
/Staff/Management Capacity Development,  
Enhanced Interaction with Industry**

# **Mentor's Responsibilities (3)**

**To Guide/Assist Improve Performance Indices:**

- Higher Employability of Graduates-Nos.& Pay**
- Better Learning by Students-Exam. Results**
- Overall Institutional Progress, Measured By**
  - Higher Student'/Faculty' Satisfaction Levels**
  - No. of PG/Research Students & Awardees**
  - R&D/Consultancy Revenue as % of Income**
  - Larger No. Papers in Refereed Journals**
  - More Collaboration with Industry/R&D Labs**

**To Guide/Assist in Timely Meeting IDP Targets**

# Mentoring Visit Schedule

**Typically for 2 Days at a Time, for Meeting with:**

- **Principal/Coordinator/Nodal Officers- Discuss on *IDP/Plans/Targets/Problems & Progress***
- **HODs-Review Academic/Research/Consulting Work Covering *Plans/Preparations & Targets***
- **Faculty - Discuss on *Project Ownership/ Opportunities/Challenges & FDP Needs***
- **Non-Teaching Staff - Discuss on *Project Related Role/Responsibilities & SDP Needs***



# **Mentoring Visit Schedule (2)**

**To See/Review/Discuss Plans/Progress on  
Academic/Research Facilities by Visiting:**

- Academic Departments, Research Centers**
- Central Facilities-Library, Computer Center**
- Training & Placement, Consultancy, Industry-Interaction & Other Centers**
- Other On-Campus Infrastructure for Faculty/Staff/Students/Alumni**

# Mentoring Visit Schedule (3)

**To Also Include Meetings With:**

- **UG/PG/Research Student Representatives-  
Feedback/Views on *Academic/Research work***
- **Industry Representatives-Action on *Feedback  
/Curricular Reforms & Finishing School Needs***
- **Governing Body-Discuss on *Good Governance  
& Support for Timely Meeting Project Targets***
- **Principal/Coordinator/Nodal Officers- Fine  
Tuning of *Long-Term/Short-Term Action Plans***

# **Mentoring Visit Deliverables**

**Mentor's Visit Report to be Prepared in TEQIP Format, Summarizing the Interactions with:**

- UG, PG & Research Students**
- Faculty & Non-Teaching Staff**
- HODs & Senior Functionaries**
- Chairperson/Members of Governing Body**
- Industry Representatives**
- Principal/Coordinators/Nodal Officers**

# **Mentoring Visit Deliverables (2)**

**Mentor's Report to Include Specifically:**

- **Progress Made in Implementing the Project**
- **Shortfalls Expected in Outcomes/Outputs**
- **Action Plan Decided After Discussion**
- **Issues Arising from Interactions Reported**
- **Problems/Solutions in Exercising Autonomies**
- **Identifying Help Needed from SPFU/NPIU**

**Mentor's Report to be Made Available in *Soft Copy* to Principal, SPFU& NPIU within 10 Days**