

**UNIVERSITY VISVESVARAYA COLLEGE OF ENGINEERING**  
**K . R Circle, Bangalore University, Bangalore – 560 001**

**PROCEEDINGS OF THE BOARD OF GOVERNORS SUB COMMITTEE**  
**MEETING UNDER TEQIP-II HELD ON 28.08.2013**

A meeting of the subcommittee of Board of Governors (BOG) to implement the activities under TEQIP – II was held on 28-08-2013 at 5:00 PM in the board room, UVCE, K. R. Circle, Bangalore. The following issues were discussed in detail and the decision in each is as follows:

**I. To procure the equipments for establishment of video conferencing facility/Smart class rooms for ICT enabled academic activities to link IITs, NITs and other institutions of higher learning.**

**(A) Video Conferencing Equipment/Smart Class Room**

NPIU has requested to revise the procurement plan to establish smart class rooms to effectively carryout ICT enabled academic activities. It has been proposed by NPIU to link all TEQIP colleges with IITs, NITs, and other institutions for higher learning. It has been proposed to have one digital podium to enhance the usage of smart class room. The following firms have submitted the proposals to finalize the detailed specification that has to be entered into PMSS software after the approval by BOG.

- i) Intellicon Pvt Ltd, Bangalore (Life Size Video Conferencing System).
- ii) Silver Track Systems and Services Pvt Ltd. (Digital Podium and Video Conferencing System), . . . . .
- iii) Elucido Media Networks Pvt. Ltd. (Smart class rooms/Video Conferencing )

Total estimated Budget:

- i) Video Conferencing equipment for the following three locations and to establish smart class rooms in these three locations: Rs. 30.0 Lakhs  
(Locations: 1. Library, 2. Seminar Hall at K.R Circle, 3. Placement centre at Civil Engineering department, at Jnanabharati Campus)
- ii) Digital Podium : Rs. 3.0 Lakhs

**BOG Sub Committee Decision: Approved the establishment of facility of Smart Class Room/Video Conference/ Digital Podium using TEQIP-I funds by modifying the procurement plan after finalizing the specification.**

**(B) Campus wide network through Wi-Fi connectivity**

National Knowledge Commission has provided 100MBps of internet facility to UVCE and the same has been installed in cyber center (MINCHU) at K.R. Circle. It is necessary to have Wi-Fi connectivity and campus wide network to facilitate internet access to all the faculty, staff and students at UVCE, K.R Circle campus of the college. It is required to purchase additional equipments to provide internet access through Wi-Fi connectivity to Department of Mechanical Engineering and boys hostel apart from the other departments of main building at K.R.Circle. The following firms had submitted the proposals showing the specification supposed to be suitable for institution.

1. Triguna Techsource
2. Smartlink
3. V-Supreme
4. Transition
5. Skylark confidential
6. ENSS Technologies Pvt. Ltd.

**Estimated Cost:** Rs. 50Lakhs

**BOG Sub Committee Decision: Approved the Campus wide network through Wi-Fi Connectivity by using TEQIP-II funds by suitably revising the procurement plan including detailed specification.**

**II. Study tour for Nodal Officers/BOG Members of UVCE under TEQIP**

(Ref: Letter from SPFU, SMS dated 15.08.2013 and E – mail dated 23.08.2013)

The SPFU had proposed study tours to (i) University of British Columbia and Community Colleges in Canada and (ii) Melbourne University, Melbourne, Australia to explore the possibilities of Joint Research, Student Faculty Exchange Programmes and Twinning Programmes. A meeting in this regard was held on 12.08.2013 by SPFU at DTE, Bangalore. There will be two more such study tours abroad in future to visit Universities in Europe and UK.

In this regard the following Faculty members who are involved in TEQIP Activities Nodal Officers/ BOG Members have been proposed for this tour. These faculty members have not availed any funds for attending International Conference abroad till now.

List of Faculty Members:

1. Dr. B.M Rajaprakash, Project Coordinator
2. Dr. P Deepa Shenoy, Academic Nodal Officer.
3. Dr. Thriveni J, Nodal Officer, Procurement.
4. Dr. M L Sudheer, Nodal Officer, R&D Activities
5. Dr. K B Raja , Nodal Officer, Finance
6. Dr. H N Ramesh , BOG Member.

**Estimated Cost:** Rs. 20Lakhs.

**BOG Sub Committee Decision:** Approved the Study tour to Canada and Australia by the above faculty members. The BOG Sub Committee also suggested to visit a minimum of three institutions in each country.

### **III. Additional Equipments for various Departments**

(i) There is a possibility of UVCE getting additional funds under TEQIP –II in near future. The equipments proposed in IDP and center of excellence will be considered on priority basis. The proposal received from Electrical Engineering Department for Power Electronics Lab and research Lab has been placed for approval (estimated cost = Rs. 15Lakhs including desktop computers for Rs 10Lakhs). Further an amount of Rs. 5Crores will be requested with suitable justification to NPIU to establish the Laboratories of all the 24 PG courses and take up Research and Consultancy work.

(ii) The procurement of desktop computers under NCB is in the stage of evaluation of bids. It is proposed to increase the quantity of Desktop computers from 105 to 120 subject approval by NPIU through PMSS.

**BOG Sub Committee Decision:** Approved the above proposal.

### **IV. New Faculty Development Programmes, Industry – Institution Programmes**

(A) Memorandum of Understanding (MOU) is signed with following three companies

- a. Kruthi Computer Services Pvt . Ltd., Bangalore done on 20.11.2012.
  - b. IAMPO (International Association of Plumbing and Mechanical Officials) in June 2013.
  - c. Pushkala Technologies Pvt Ltd., Bull Temple Road, Bangalore on 14<sup>th</sup> August 2013.
  - d. KPT Technologies, J.P. Nagar, Bangalore on 26<sup>th</sup> August 2013.
1. Teachers and students will be trained on CAD, CFD, ANSYS, for soft skill development for Mechanical Engineering and Civil Engineering students. The experienced Design Engineers from industries will help the students in developing a product or a component.
  2. The Texas Instruments will be supporting in hardware and software training to Electronics and Communication, Electrical Engineering and Computer Science students.
  3. The CFD training is given to students and staff members from Innovent Engineering Solutions Pvt Ltd, Indiranagar, 2<sup>nd</sup> stage, Bangalore.
  5. By interacting with the industries in and around Bangalore, the entrepreneurial programme will be conducted in future, so that the student can start their own companies.

**BOG Sub Committee Decision: Approved the above activity/proposal.**

## **B) R&D Programmes**

**Permission to grant expenditure under R&D for PG, Ph. D and Final year UG projects having the potential for R&D.**

1. A total of 32 R&D project proposals have been received so far from P.G, Doctoral and final year U.G students and faculty members of all the departments, having a total project budget of Rs. 41Lakhs.

The expenditure for each of these project proposals are ranging from Rs. 10,000 to Rs. 2,22,000 that includes expenditure towards consumables, testing, fabrication and report writing.

It is now proposed to constitute an expert committee to select the merit of these projects and to finalize the amount of funding that can be provided to each project, and the amount of first installment. These selected projects will be considered and approved by the “sub-committee of BOG”/BOG.

2. The expert committee will have the following functions:
  - (i) To select the projects to be funded.
  - (ii) The amount of funding to be sanctioned for each project.
  - (iii) The amount to be given in installments for each project on round robin basis.
  - (iv) Monitor the progress of these R&D projects from time to time.
3. The Subcommittee of BOG will approve on a case by case basis on the recommendation of the expert committee.
4. At the first instance 10 to 20 projects will be funded on the basis of expert committee's recommendation and subcommittee of BOG's/ BOG approval. The allocation will be made equally among all departments and on round robin basis among the staff members in each department.
5. The amount will be released in installments based on the expert committee's recommendation.

**BOG Sub Committee Decision: Approved the above proposal and suggested the following composition of expert committee.**

1. Concerned Chairman of the Department, Convener
2. External Member 1 from IISC/IIT/NIT/DRDO, etc
3. External Member 2 from National Labs CSIR/ISRO, etc

## **V. Revenue generation and utility of Scanning Election Microscope (SEM).**

SEM was procured under TEQIP phase I in our institution. This equipment is being utilized by research students and faculty members of UVCE for their research work. This machine is also utilized by other University departments, TEQIP networking colleges and other private institutions.

Maintenance cost and other consumables cost related to SEM are to be maintained by the institution only. Since it is borne by the institution it is proposed to generate revenue using SEM in order to maintain operation and maintenance cost of SEM. Hence it is proposed to collect a very nominal charges as follows:

The following consultation charges are proposed.

SI No	Institution or Industry	Per Sample in Rupees	EDAX/ per Sample in Rupees
1	UVCE Departments	150 = 00	400 = 00
2	TEQIP Networking Institutions	200 = 00	500 = 00
3	Bangalore University Departments	200 = 00	500 = 00
4	Other Educational Institutions	300 = 00	600 = 00
5	Industries	500 = 00	750 = 00

**BOG Sub Committee Decision:** Approved the above proposal.

## **VI. Approval for attending International Conferences abroad by the Faculty**

The following faculty members had submitted proposals to attend second international conference on “Material Science and Exhibition 2013” , 07-09 October 2013, Las Vegas, USA:

1. Dr. C K Umesh Associate Professor, Department of Mechanical Engineering.
2. Dr. H C Chittappa, Associate Professor, Department of Mechanical Engineering.

**BOG Sub Committee Decision:** Approved the above proposal.

## **VII. Any other matter with the permission of the chair.**

### **(A) Introduction of Grading System to all UG and PG Courses in UVCE**

All the leading Technical Institutions in the World, IISc, IITs, NITs, Autonomous Engineering Colleges, Private Universities, Deemed Universities, in the Country are already following CGPA system of evaluation. It is required to get NBA accreditation as per Washington Accord.

- NBA accreditation as per Washington Accord insists on Credit Based Education and CGPA Grading System of evaluation.
- The CGPA system of evaluation gives an opportunity to the students to get evaluated continuously and hence improve their overall performance.

- Special Coaching may be introduced to upgrade the performance of weak students and thereby enable them to progress without any break in their academic year
- The Study Group consists of the following staff members who will be responsible for formulating the guidelines with the advise of the Expert Committee:

- 1 Dr. Venugopal K R, Principal
- 2 Dr. B K Muralidara, BOG Member, TEQIP-II
- 3 Dr. H N Ramesh, BOG Member, TEQIP-II
- 4 Dr. B M Rajaprakash, TEQIP Coordinator
- 5 Dr. P Deepa Shenoy, Nodal Officer (Academic) and Convenor.
- 6 Dr. M L Sudheer, Nodal Officer, R & D
- 7 Prof. Ravindra, professor, Department of Architecture
- 8 Dr. E G Shivakumar, Chairman ,Department of Electrical Engineering

- The Study Group has been assigned the following responsibilities:
  - a. To study Grade Point Average System being following in NITs, IITs, Autonomous Engineering Colleges, Private Universities and Deemed Universities in Karnataka.
  - b. To constitute an Expert Committee for finalizing the modalities of introducing Grade Point Average System for UG and PG Courses and place it before the Departmental Council, respective Board of Studies, combined Board of Studies, Faculty of Engineering, Academic Council, Syndicate and to communicate to, Principal Secretary of Department of Higher Education, Government of Karnataka and DTE. This procedure has been initiated under Institution Academic Reforms of TEQIP-II.
  - c. Sanction Admissible TA/DA to Expert Committee.
  - d. The Expert Committee shall be suggested by the Sub Committee of BOG.

**BOG Sub Committees Decision: Approved the introduction of CGPA system of evaluation and credit based teaching. The BOG Sub Committee suggested to discuss this in the BOG Meeting and introduce CGPA system of evaluation at the earliest.**

**(B) Activities under Finishing school/ specialized training to academically and socially challenged students/slow learners and all students to increase employability**

- a. Specialized training in “Automotive Dynamics and Design” to Mechanical Engineering students
- b. GRE and TOEFL coaching classes for V sem B.E students of all branches
- c. GATE 2014 Coaching Classes for VII sem B.E students
- d. Pre placement training to UG and PG students
- e. Training programme on Personality Development and Leadership skills to B.E students requiring enhanced learning capability.

**BOG Sub Committee Decision: Approved the above student related activities under equity action plan/ finishing school.**

**(C) Approval for the amount spent towards Registration charges of 7<sup>th</sup> sem B.E (Electrical & Electronics) students for attending “Five Day Advance Training Programme on Solar Photo Voltaic Technology” held during 19<sup>th</sup> to 23<sup>rd</sup> August 2013, Bangalore.**

Centre for sustainable Development (CSD) is a Bangalore based non governmental organization under Karnataka Societies Registration. UVCE and CSD with the support from Ministry of New and Renewable Energy (MNRE) has conducted a “Certified Five Day Advance Training on Solar Photo Voltaic Technology” during 19<sup>th</sup> to 23<sup>rd</sup> August 2013. CSD has agreed to accept 63 students with a concessional registration fee of Rs. 750 per student instead of Rs. 1000 per student and actual transportation cost for field visit to Bethamangala, Bangarpet Taluk, Kolar where solar power plant is installed.

**Estimated Expenditure :**

(i) Total registration of 63 students at Rs. 750 per student = Rs 47,250/-

(ii) Transportation expenditure to Solar Power plant at Bethamangala, Kolar using BMTC Bus = Rs 16,142/-

**BOG Sub Committee Decision: Approved the above proposal.**



**(D) Two day workshop for faculty and Students on “Role and Significance of Research in Engineering Education” in association with Cresys Technologies on 21<sup>st</sup> and 22<sup>nd</sup> August 2013.**

**Registration fee for 10 faculty and students : Rs. 8000/- per participant =Rs. 80,000/-**

**BOG Sub Committees Decision:** Approved the above activity/proposal.

**(E) Two day workshop for faculty and students in Labview by Department of Electrical Engineering, UVCE in September 2013.**

**Estimated Cost : Rs. 1.00 lakh**

**BOG Sub Committee Decision:** Approved the above proposal.

**(F) Remuneration for TEQIP –Nodal Officers as per the suggestions and direction of SPFU And NPIU.**

Remuneration for TEQIP –Nodal Officers is placed before the Sub Committee of BOG for discussion and approval.

**BOG Sub Committee Decision:** Agreed in principle to sanction remuneration to programme co-ordinator and Nodal Officers working for TEQIP-II. The amount to be sanctioned in this regard will be finalized after a clear communication from NPIU and final approval in the BOG meeting.

**(G) Creation of Additional space for establishing “Data Centre” and “Centre of Excellence” under Vision Group of Science and Technology grants, Government of Karnataka.**

It was resolved to create space for establishing “Data Centre” and “Centre of Excellence” under VGST grants obtained from Government of Karnataka in the existing Electrical Machines Laboratory of Department of Electrical and Electronics Engineering, UVCE. Dr. M L Sudheer, Principal investigator of the VGST Project and Dr. E G Shivakumar, Chairman of the Department of Electrical and Electronics Engineering have been assigned the task of creating space for Data Centre and Centre of Excellence.

The Principal thanked all the members for attending the meeting.

PRINCIPAL