

B.M.S.COLLEGE OF ENGINEERING, BENGALURU-560 019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

FOURTEENTH MEETING OF THE SUB-COMMITTEE OF BOG



MINUTES

DATE : 19.3.2015

VENUE: BOARD ROOM



B.M.S.COLLEGE OF ENGINEERING, BENGALURU-560 019

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

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MEMBERS PRESENT:

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

NODAL OFFICERS/CO-ORDINATORS PRESENT:

1. Dr. G. N. Sekhar, TEQIP Co-ordinator I
2. Dr. L. Ravi Kumar, TEQIP Co-ordinator-II
3. Dr. S. Gowrishankar, Nodal Officer - Academic Activities
4. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
5. Dr.M.S.Dharmaprakash, Nodal Officer-Procurement
6. Dr. K. Guruprasad , Nodal Officer - Equity Assurance Plan Implementation
7. Dr. C. Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
8. Dr. M. Indiramma, Co-ordinator-IIIC
9. Dr.M.C.Sampath Kumar, Nodal Officer- CV & EM
10. Dr. M. Ramachandra, Principal Investigator & Co-ordinator, CoE
11. Dr.S.Srinivas, Principal Investigator, CoE
12. Dr.Chandashree Das, Principal Investigator, CoE
13. Dr.M.Murugendrappa, Principal Investigator, CoE

MEMBER PRESENT ON INVITATION:

1. Dr. Martin Jebaraj, Director-R&D

The Principal and the convenor extended a cordial welcome to the members for the meeting.

1. Minutes of the thirteenth meeting of the BOG sub-committee held on 11.11.14.

The minutes of the thirteenth meeting of the BOG sub-committee held on 11.11.14 were read and recorded.



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2. Review of Procurement activities under TEQIP II [1.2]

The committee took a note of the current status of procurement under TEQIP II as mentioned below:

Description	Value
Total Allotment under Procurement	Rs. 562.5 Lakhs
Procurement completed	Rs. 455.0 Lakhs
Purchase orders released & waiting for delivery	Rs. 77.0 Lakhs
Initiated and In process	Rs. 27.0 Lakhs
Balance funds available	Rs. 3.5 Lakhs

3. Post Procurement Audit by NPIU & SPFU officials

The committee noted that Dr. M. S. Dharmaprakash & Sri. R. Balaji attended the post-procurement audit held on 26.11.14 at New Delhi along with the following files identified by NPIU for audit:

- a) Contract/Ref. No. TEQIP-II/KA/KA2G04/178 - Rotavap
- b) Contract/Ref. No. TEQIP-II/KA/KA2G04/183 - Net Books
- c) Contract/Ref. No. TEQIP-II/KA/KA2G04/194 - (COE)Water Jet Cutting Machine
- d) Contract/Ref. No. TEQIP-II/KA/KA2G04/198 - Oscilloscope
- e) Contract/Ref. No. TEQIP-II/KA/KA2G04/93 - Servo Controlled Flexure Machine

The committee also noted that Sri. Raghunath, Project Officer-Procurement, SPFU & Sri. Veeranna, Registrar-SPFU visited the college and conducted a post-procurement audit on 3rd & 4th March 2015 and their report is awaited.

4. Award of Teaching & Research Assistantships:

4.1 The committee noted that altogether 214 students of M.Tech./M.Sc [Engg] by research i.e., 49 students admitted during the academic year 2012-13, 80 students admitted during the academic year 2013-14 and 85 students admitted during the academic year 2014-15 were sanctioned the teaching assistantships, permitting withdrawal requests of three students who got internship from the industry in their final year.

4.2 The committee considered the representation of Ms. Indira S., student of M.Sc. (Engg) by research, working as full time scholar since December 2011, has been awarded teaching assistantship from November 2012 to November 2014. The committee observed that her request seeking extension of the assistantship till the end of April 2015 is duly recommended by the concerned guide and HOD. After detailed deliberations, the committee approved the release of teaching assistantship to the said student till the end of February 2015.



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4.3 The committee took a note of the memo informing the concerned that the award of teaching assistantship will not be continued from 1.3.15 onwards due to the exhaust of funds under the head "Assistantship" and also noted that the students were informed to continue to register their attendance in the departments regularly.

4.4 The committee took a note that the research assistantships have been awarded to 15 research scholars and the funds allocated for disbursement of research assistantship after 1.3.2015 are not sufficient. The committee perused the mail sent by the SPFU on 19.2.2015 informing the TEQIP institutions to follow the guidelines of the communication issued by the NPIU on 18.1.2013 for revision/updation of action plan in IDP & re-appropriation of fund allocation which states that, "For academic activities, institutions can revise the action plan provided in their IDP with the approval of their BOGs as and when deemed necessary provided the planned activities are in accordance with the PIP, further the fund from procurement and IOC head of expenditure can also be re-appropriated to head of expenditure for academic activities but not vice-versa".

In view of the above, the committee approved for a transfer of Rs.12.5 lakhs from "IOC" head of expenditure to "Assistantships" head for continuation of disbursement of Research assistantship for a further period of four months till June 2015.

5. Staff in the TEQIP Office

5.1 The committee noted that the services of Smt. R. Roopashri & Smt. S. Rekha, office assistants at the TEQIP Office were terminated on the afternoon of 28.2.2015 owing to their deficient services and ratified the same.

5.2 The committee also noted that Smt. S. S. Meenakshi and Smt. N. Anitha Sreenath who were shortlisted during the interviews conducted for the positions of Office Manager in the college, were called for interview and are found to be suitable for appointing them as office assistants at TEQIP office. The committee also took a note of the recommendations of the committee to appoint Smt. S. S. Meenakshi and Smt. N. Anitha Sreenath as office assistants with consolidated pay of Rs. 16,000/-PM and Rs.12,000/- PM respectively with applicable PF & ESI as per norms. The committee accorded approval for appointing Smt. S. S. Meenakshi and Smt. N. Anitha Sreenath as office assistants as per the recommendations of the committee.



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6. Approval to the faculty, staff & students for attending programs and conduction of in-house programs.

6.1 Nomination for attending programme abroad:

The TEQIP Co-ordinator-I informed the members that in response to the SPFU's mail seeking nomination of faculty members for 'Management Capacity Development Programme' at Nanyang Technological University, Singapore and subsequent discussion regarding the same in the HODs' meeting held on 3.2.15, a mail seeking the nomination from departments was sent to all HODs on 3.2.15. Further, he informed that the nominations of (i) Dr.C.Lakshminarayana, Professor, EEE (ii) Dr.K.Guruprasad, Professor & HOD-ME and (iii) Dr.K.Ramesh Nayak, Associate Professor, IEM were received from the departments.

The committee noted that the expenditure per nomination is expected to be Rs.2,69,960/- and funds available under 'Capacity Development' are around Rs.5 lakhs. Further, it is noted that based on the financial constraint, the nomination of Dr. C. Lakshminarayana was forwarded to the SPFU with due approval from the Chairman-BOG [Annexure-1]. The committee accorded approval for the same.

6.2 The committee perused the consolidated list of the approvals of the sub-committee obtained by circulation for deputing faculty/staff members and students to attend various programs and to conduct in-house program under TEQIP II/COE [Annexure- 2]

6.3 The committee also perused the details of faculty/staff members seeking approval for attending various programs under TEQIP II/COE [Annexure- 3] and approved the same.

7. Performance & Data Audit:

The committee noted that the performance audit by Prof. Subash Babu, IIT-B and data audit by Sri. B. M. Rudresh, Faculty, GEC, K. R. Pet were conducted during 25-27, November 2014 and after perusing the reports expressed satisfaction[Annexure-4].

8. Audit of accounts by the internal auditors:

The committee noted that Agarwal A. Kumar & Associates nominated as internal auditor for TEQIP II by the SPFU, visited the college on 9th December 2014 and audited the accounts for the period April to September 2014. The committee noted the observations of the said audit [Annexure-5] and opined that the staff handling accounts at TEQIP office shall be more vigilant and responsive to the queries of the auditors. The TEQIP Co-ordinator-I informed the members that necessary steps are initiated regarding the same.



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9. 4th edition of AICTE-CII survey on Industry – Academia collaboration in Technical institutes:

The committee noted that the 4th edition of the Web based survey mandated for TEQIP institutions is open till 30th April 2015 and the Coordinator for the IICC, Dr. Indiramma has initiated steps towards completion of the same.

10. Institutional Performance Assessment

The committee noted that the BMSCE has met all the 12 performance indicators as on 31st October 2014 as per the review held at the 4th JRM during December 8-19, 2014. [Annexure-6]. The committee also noted that the NPIU has informed the institutions to meet 9 more indicators in addition to meeting the previously set 12 indicators, latest by 30th April 2015 [Annexure-7]. The committee also noted that submission of revised IDP for 2016 with updated target indicators is one among the nine additional indicators for compliance. The committee also took a note of SPFU's mail dated 19.2.2015 informing all the institutions to prepare an IDP with an estimated cost of Rs.6 to Rs.8 Crores [Annexure-8] and BMSCE proposed to submit the revised IDP seeking additional grant of Rs.8 Crores.

The TEQIP Coordinator-I informed the committee that steps are initiated for preparation of the revised IDP by calling (i) proposals for upgrading existing equipment/laboratory from the HODs (ii) proposals for R&D projects from the faculty members and (iii) Plan of action for conduction of Workshops/training programs/seminars/symposia etc. from all the departments. The committee authorised the Principal to convene the meeting of experts for scrutiny of the R & D proposals received.

11. Meeting of the Principals & co-ordinators at SPFU:

The Principal informed the committee that meetings of the Principals and co-ordinators were held at SPFU in the presence of the Principal Secretary, Higher Education, GoK on 3rd December 2014 and 16th March 2015, wherein the Principals made presentation on the status of activities and achievements under TEQIP II & CoE [Annexure-9].

12. Release of funds and status of Expenditure incurred under TEQIP II as on 16.3.2015 out of 9 crores of grants received.

The TEQIP Coordinator-I informed the committee that the NPIU has communicated about the release of 4th instalment of TEQIP II funds vide letter dated 7.1.15 and the college is expecting release of Rs.2 crores from the SPFU-Karnataka by 31.3.2015 and the BMSET has sanctioned an advance of Rs. One Crore to TEQIP to keep the pace of activities. The committee noted the following details of expenditure incurred as on 16.3.15 and the plan of action on utilisation of balance funds put forth by the nodal officers present.



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Head of Expenditure	Allocation (Rs. In lakhs)	Amount spent As on 16.3.15 (Rs. In lakhs)	Committed expenditure as on 16.3.15 (Rs. In lakhs)	BALANCE
a)Procurement	562.5	447.74	77.00	37.76
b)Assistantships	250	248.51	0	1.49
c)R&D	62.5	27.76	2.5	32.24
d)Faculty & Staff Development	125	121.87	3.02	0.11
e)III Cells	62.5	46.75	0.20	15.55
f) Capacity Development	25	19.23	0.05	5.72
g)Reforms	12.5	6.2	0.18	6.12
h)Student Support [EAP]	25	5.39	0.24	19.37
i)Incremental Operating Cost	125	73.45	2.3	49.25
TOTAL	1250	996.90	85.49	167.61

Plan of action for utilisation of balance of funds:

12.1 Procurement: The Procurement nodal officer Dr. M. S. Dharmaprakash informed the committee that procurement to the extent of about Rs.559 lakhs has been completed/committed/initiated and there is a need to draw procurement plan for the balance fund of Rs. 3.5 to Rs. 4 lakhs. The Academic nodal officers proposed the annual subscription of Anti-Plagiarism software namely "Turnitin", a proprietary item of M/s iParadigms Europe Limited from their exclusive distributors in India i.e., M/s iGroup Infotech India Pvt. Ltd., Noida at an estimated cost of about Rs. 4,00,000/-. The committee after detailed discussion, accorded approval for subscribing the same, considering the importance and need to check the originality of the content of the research papers/reports being produced and published by the members of BMSCE, with the financial assistance of TEQIP funds.

12.2 Assistantships: The TEQIP Co-ordinator-I informed the members that the teaching assistantship due till February 2015 to the students of M.Sc [Engg] by research, teaching assistantship to the nine final year students belonging to the SC/ST category till the end of May 2015 and the research assistantship to 14 research scholars till the end of June 2015 would be met out of the balance fund of Rs. 13.99 lakhs, i.e, after transferring Rs.12.5 lakhs to the head of Assistantships from the head of IOC.



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12.3 **R&D:** The TEQIP Co-ordinator-I informed the members that the committee has already accorded approval for a financial assistance upto Rs. 5 lakhs for each of the national conferences namely (i) 3rd International Conference on Micro Perspectives for Decentralised Energy Supply-MES 2015", to be held during 23rd to 25th April 2015 in association with Technical University of BERLIN, Germany and University of California, Berkeley, USA and (ii) IACC 2015-IEEE International Advance Computing Conference" during June 12-13, 2015.

The committee accorded approval for the proposal of TEQIP Coordinator-I to utilise the balance fund of about Rs. 20 lakhs towards the project work of students of M.Tech/MSc [Eng.] by research, the fiscal incentive upto a maximum of Rs.20,000/- per a batch of 3 to 4 students of final year for their final semester Project work, [current academic year ends by June 2015], the expenditure for chemicals, consumables/lab tests etc., by the research scholars registered in the college, the honorarium & travel expenses in respect of experts' services approved for the Mechanical and Electrical cluster departments, for supporting the faculty for their journal publications if any and for the conduction of programs on R&D topics. The committee noted that with the above proposed utilisation of fund, the fund under the head of R & D will exhaust by the end of June 2015.

12.4 **Faculty & Staff Development :** The committee accorded approval to the proposal of Academic Nodal Officer [TNA] Dr. Gowrishankar for meeting the expenditure up to Rs.5 lakhs from the head of IOC towards Faculty & Staff Development and noted that this re-appropriation will keep the pace of the activities under the head 'faculty & staff development'.

12.5 **III Cell:** Dr. Indiramma, Coordinator for IIC, informed the members that an amount of Rs.4 lakhs would be spent on activities related to UG & PG students' placement, an amount of Rs.5 lakhs towards the conduction of the PHASE SHIFT 2015 – an event of the annual interaction with the industries on the side lines of exhibition of final year students' projects and ongoing R & D work of the VTU research centres at BMSCE. Further, she informed the members that the remaining Rs.6.5 lakhs would be utilised towards industrial visits, conduction of industry related workshops, seminars and other related expenditure under the 22 MOUs that the college made with various industries.

12.6 **Capacity Development:** The TEQIP Co-ordinator-I informed the members that the expenses of management capacity development program to be attended by Dr. Lakshminarayana at Singapore [if the travel is approved by SPFU/NPIU] would be met out, under this head of account and the remaining amount would be spent on the 'management capacity development program' for HODs and senior professors proposed to be conducted in collaboration with the premier institutions of the country.

12.7 **Reforms:** The TEQIP Co-ordinator-I informed the members that it is proposed to meet the accreditation fee for NBA and to meet the expenditure on the meetings to be



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conducted on curriculum revision/restructuring and guest lectures by experts etc., from the balance amount of Rs.6.12 lakhs, under this head.

12.8 Student Support [EAP]: The coordinators of the EAP, Dr. Guruprasad & Dr. Lakshminarayana informed the members that printed workbook/study material designed and developed by the faculty of English, Prof. Rajalakshmi, is made available for the UG students who have failed in the online diagnostic test conducted and special classes in Mathematics have been conducted to the slow learners. They have also informed the members that it is proposed to conduct training on soft skills to the M.Tech. Students by utilising the balance fund of this head of account and they have completed conduction & evaluation of the diagnostic tests.

12.9 Incremental Operating Cost: The TEQIP Co-ordinator-I informed the members that after the transfer of Rs.17.5 lakhs as per the approved re-appropriation, the remaining amount of about Rs.32 lakhs will be utilised to meet the salary expenses of TEQIP office staff, remuneration to staff and other permissible expenditure under this head of account till the end of the project period.

The committee accorded approval for the re-appropriation of funds from the head of account of IOC to the head of accounts namely, Assistantships and Faculty & Staff development as noted above while noting the proposed plan of action for utilisation of balance of fund under various head of accounts.

The committee sought a brief report on the impact of TEQIP activities on the students in terms of their semester results, placement, publication etc., from the Academic Nodal officers. Dr. H. S. Guruprasad & Dr. S. Gowrishankar and they have agreed to present the details in the next BOG subcommittee meeting.

13 R&D Proposals by BE students:

13.1 Design & Development of Quad copter:

The committee perused the proposal submitted by the 6th semester students of BE [TC] for building 'QUADCOPTER', in-house with a financial assistance of Rs.52,000/- towards parts & consumables and accorded approval for same.

13.2 Prototype experiment:

The committee took a note of the proposal submitted by Sri. Gyanendra Kumar Sah, I year student of BE [EEE] for conducting prototype experiment and ratified the release of financial assistance of Rs.10,000/-for the said proposal.

13.3 Integrated Nano-Grid:

The committee perused the proposal submitted by Dr.P.Meena & HOD-EEE consisting of 12 students of BE [EEE] for an in-house project, 'integrated Nano-Grid' seeking a financial assistance of Rs.1.26 lakhs towards parts & consumables and accorded approval for same.



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14 CENTER OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH

14.1 Status of Expenditure incurred under COE as on 16.3.2015

The committee noted the following financial status/expenditure incurred under the COE as on 16.3.2015:

Head of Expenditure	Allocation	Amount spent	Committed expenditure
	(Rs. In lakhs)	(Rs. In lakhs)	(Rs. In lakhs)
Procurement	275	114.39	122.15
Assistantships	50	6.8	1.36
R&D	50	3.94	-
Faculty & Staff Development	50	0.77	-
III Cells	25	0.20	-
Incremental Operating Cost	50	9.86	1.35
TOTAL	500	135.96	124.86

14.2 Progress of procurement made as on date:

The committee also noted the status of procurement as on date as mentioned below:

Description	Value
Total Allotment under Procurement	Rs. 275 Lakhs
Procurement completed	Rs.123 Lakhs
Purchase orders released & waiting for delivery	Rs. 96 Lakhs
Initiated and In process (estimated cost)	Rs. 70 Lakhs

14.3 Appointment of Research Assistants, operators under COE:

(i)The committee noted that applications were invited for appointment of (i) Research Assistants, (ii) operator for multi axis abrasive waterjet cutting machine (iii) operator for the Scanning Electronic Microscope [SEM] and X-RAY DIFFRACTOMETER SYSTEM [XRD] during February 2015 and interview was conducted for the eligible candidates on 18.3.15. The committee perused the recommendations of the selection committee and accorded approval to appoint (i) Sri. Niranjana C.A. (ii) Sri. Madhu Sudan J. and (iii) Smt. Rani Sutar as research assistants under the COE. at a consolidated monthly remuneration of Rs. 18,000/-.

(ii)The committee also accorded approval for appointment of (i) Sri.K.Rajesh as operator for SEM & XRD at a consolidated salary of Rs.22,000/-per month with applicable PF and (ii) Sri. G. Shivanna as operator for waterjet cutting machine at a consolidated salary of Rs.18,000/- per month with applicable PF.



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14.4 Activities initiated:

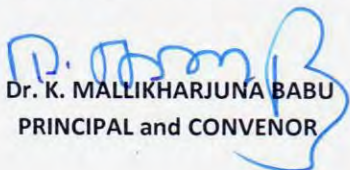
Dr. M. Ramachandra, Coordinator, COE informed the members that the following activities have been initiated under the COE:

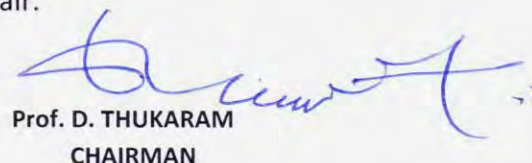
- (i) A tender notification was publicised in the national/regional daily News Papers for procurement of XRD through NCB on 10 March 2015.
- (ii) Under Collaborative research efforts, Sri. Madhav Murthy and Sri. Ram Rohit have availed support from COE to carry on their projects.
- (iii) The equipment namely Dual Sputtering Equipment, Precision Impedance Analyser and Water Jet cutting machine are installed and put to use.
- (iv) The village namely, 'Kethuhalli' near Bidadi has been identified for adoption by the college under COE as per the directions of NPIU/SPFU for implementing Technology transfer as desired by the MHRD.
- (v) 17 students of the first batch of M.Tech. (Manufacturing Engineering) are awarded teaching assistantship for the year 2014-15.

15 Any other items with the permission of the Chair

The committee noted that Sri.Nemiraj Kanti, Registrar, placed as in-charge AAO, in place of Sri.B.R.Mahadevaiah has been paid the honorarium/ remuneration from TEQIP II and ratified the same.

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


Dr. K. MALLIKHARJUNA BABU
PRINCIPAL and CONVENOR


Prof. D. THUKARAM
CHAIRMAN



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ANNEXURES

Annexure - 1

B.M.S.COLLEGE OF ENGINEERING, BENGALURU-560 019

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-II

Date:5.2.15

Submitted/Principal

In response to the SPFU's mail regarding nomination of faculty members for 'Management Capacity Development Programme' at Nanyang Technological University, Singapore and subsequent discussion regarding the same in the HODs' meeting held on 3.2.15, a mail seeking the nomination from departments was sent to all HODs on 3.2.15 [mail copy enclosed].

The following nominations from the departments have been received for the aforesaid program [mail copy enclosed]:

- 1) Dr.C.Lakshminarayana, Professor, EEE
- 2) Dr.K.Guruprasad, Professor & HOD-ME
- 3) Dr.K.Ramesh Nayak , Associate Professor, IEM

As per the commercial terms and conditions mentioned in the proposal sent by SPFU, the program is framed for 40 participants with total expenses amounting to Rs. 1,07,98,400/- wherein per faculty expenses would be Rs.2,69,960/-. The funds available with us under 'TEQIP II-Capacity Development' is around Rs.5 lakhs.

In continuation of the discussion by the undersigned with the Principal it is opined to nominate Dr.C.Lakshminarayana, Professor, EEE department for the aforesaid 'Management Capacity Development Programme' under TEQIP II.

Orders are solicited in this regard.

G. N. Sekhar
VICE PRINCIPAL &
TEQIP CO-ORDINATOR-II

Recommended as proposed.
Submitted for kind approval to nominate Prof.C.Lakshminarayana, Prof EE for the Capacity Dev. Prog (TEQIP II) at NTU, Singapore.

CHAIRMAN

[Signature]
9/2/15

[Signature]
8/2/15

[Signature]
TEQIP
11/2/15

THE DETAILS OF FACULTY/STAFF MEMBERS WHO HAVE ATTENDED THE PROGRAMS OUTSIDE THE COLLEGE UNDER TEQIP- II/COE THAT WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

Sl. No.	Name of the Faculty/staff, Designation & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
01.	Sri. Madhav Murthy Asst Professor Mechanical Engineering	International Conference "Sustainable business models in the emerging global economy"	BMSCE, Bangalore	November 13-14, 2014	3,000/-
02.	Sri. Tushar Kanti Bera Associate Professor Medical Electronics	International Conference on Circuits, Communication, Control and Computing (I4C- 2014)	MSRIT, Bangalore	November 22, 2014	4,500/-
03.	Sri. Appaji M Abhishek Asst Professor Medical Electronics	Dr Mahadevan Pillai memorial CME On functional MRI seeking new frontiers	Nimhans, Bangalore	November 23, 2014	800/-
04.	Dr H.S. Guruprasad Professor & HOD Computer Science & Engineering	Training Programme on "IPR & Patents"	Rajiv Gandhi National Institute for Intellectual Property Management (RGNIIPM)	December 03-05, 2014	26,000/-
05.	Sri. Narendrababu.N Asst Professor Mechanical Engineering	International Conference on advances in design and Manufacturing (ICADM14)	NIT, Trichy	December 05-07, 2014	15,500/-
06.	Sri. Ugrasen.G Asst Professor Mechanical Engineering	All India Manufacturing Technology , Design and Research Conference (AIMTDR-2014)	IIT, Guwahati	December 12-14, 2014	31,200/-
07.	Sri. R. Suresh Kumar Asst Professor Mechanical Engineering	National Conference on National tribology Conference (NTC-2014)	PES University, Bangalore	December 15-17, 2014	5,000/-
08.	Sri. K. Veerabhadrapa Asst Professor Mechanical Engineering	International Conference on Environment and Energy(ICEE-2014)	JNTU, Kukatpally Hyderabad	December 15-17, 2014	14,900/-
09.	Dr.G. Madhu Asst Professor Chemistry	Eurasia 2014 Conference on Chemical Sciences	IISC, Bangalore	December 15-18, 2014	6,500/-
10.	Dr. R. Jayagowri Assoc Professor Electronics & Communication Engineering	One day workshop on ARM-Xilinx SOE Lab-in-a-Box	Goa	December 16, 2014	17,400/-

Sl. No.	Name of the Faculty/staff, Designation & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
11.	Dr. G.Varaprasad Assoc Professor Computer Science & Engineering	IEEE Conference-on Vehicular Electronics and Safety (ICVES)2014	Hyderabad	December 16-17, 2014	20,500/-
12.	Sri. B. Venkatesh Asst Professor Electrical & Electronics Engineering	Two Day National Seminar on Solar Power Plants for residential, commercial utility and off-Grid application"	NIT, Calicut	December 17-18, 2014	8,100/-
13.	Sri. B.Mallikarjuna Asst Professor Mathematics	Intl. Conference on Advances in Mathematical Sciences and Applications (ICAMSA-2014)	Adichunchangiri Institute of Technology , Chikmagalur	December 22-23, 2014	3,360/-
14.	Smt. Suma M.N Associate Professor Electronics & Communication Engineering	2 nd International Conference on MOOC, Innovation and Technology in Education"	Thapar University, Patiala, Punjab	December 18-20, 2014	35,572/-
15.	Smt. K.P. Lakshmi Associate Professor Electronics & Communication Engineering				35,352/-
16.	Sri. Harish V. Mekali Asst Professor Electronics & Communication Engineering				38,000/-
17.	Dr P. Jayarekha Associate Professor Information Science & Engineering				45,200/-
18.	Dr P.Meena Electrical & Electronics Engineering				36,000/-
19.	Sri. N.Srinivasa Rao Assoc Professor Telecommunication Engineering	Short term Course winter School on Digital VLSI Design (WSDVD-2014)	Advanced Regional Telecom Training Centre, Ranchi	December 16-20, 2014	46,500/-
20.	Sri. Jeeru Dinesh Reddy Asst Professor Electronics & Communication Engineering				46,500/-
21.	Sri. Shrivankumar.C Asst Professor Mechanical Engineering	National Conference -NCCM-2014	Arjun Auditorium , Avadi , Chennai	December 18-20, 2014	10,000/-
22.	Dr G. Varaprasad Associate Professor Computer Sc & Engineering	UGC research Project Interface meeting	UGC, New Delhi	December 19, 2014	20,000/-
23.	Sri.P. Sakthesan Asst Instructor Biotechnology	Microbial fermentation, downstream processing & biopharmaceutical regulations	BIOZEEN, Bangalore	December 22, 2014 to January 08, 2015	2,000/-

Sl. No.	Name of the Faculty/staff, Designation & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
24.	Sri. B.Mallikarjuna Asst Professor Mathematics	International Conference on Advances in Mathematical Sciences and Applications (ICAMSA-2014)	Adichunchangiri Institute of Technology , Chikmagalur	December 22-23, 2014	3,360/-
25.	Sri. Hadagali ashoka Asst Professor Biotechnology	7 th International Congress of Environmental Research	RVCE, Bangalore	December 26-28, 2014	10,460/-
26.	Dr L.Ravikumar Professor Mechanical Engineering	International Conference o" Theoretical, Applied, Computational and Experimental Mechanics"	IIT, Khargapur	December 29-31, 2014	38,000/-
27.	Smt.SilviaLeera Sequeria Asst Professor Mathematics	National Conference on Graphic Networks and Navigators	Poornaprajna College, Udupi	January 02-03,2015	2,000/-
28.	Smt. Antara DE Asst Professor Computer Science & Engineering	IT Infrastructure Management Services	BNMIT, Bangalore	January 05-09,2015	2,000/-
29.	Sri.Appaji.M.Abhishek, Asst.Professor, Medical Electronics	First International Conference on Health Tech Innovations (HTI-2015)	SAMEER, IIT Bombay	January 09-10, 2015	5,800/-
30.	Smt Jeyanthi.N Asst Instructor Biotechnology	Short term training Programme on Immunology techniques	Shreedhar Bhats Laboratory, Bangalore	January 12-23, 2015	3,600/-
31.	Dr. M.C.Sampath Kumar Assoc Professor Civil Engineering	International Engineering Educator Certification Programme	IISC, Bangalore & IIT, Bombay	January 09-13 & July 04-08, 2015	12,000/-
32.	Dr. J.Sharana Basavaraja Assoc.Professor, Mechanical Engineering	International Conference on Advances in Materials and Product Design(AMPD-2014)	SVNIT, Surat	January 10-11, 2015	24,864/-

Sl. No.	Name of the Faculty/staff, Designation & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
33.	Dr. K. Narasimha Rao Professor & HOD Electronics & Instrumentation Engineering	Visit College of Engineering	Pune	January 12-13, 2015	15,000/-
34.	Dr. M.N. Mamatha Assoc Professor Electronics & Instrumentation Engineering				15,000/-
35.	Dr. Santhosh R. Desai Asst Professor Electronics & Instrumentation Engineering				15,000/-
36.	Sri. Siddappaji Assoc Professor Electronics & Communication Engineering	International Conference on Communication , Information & Computing Technology (ICCICT-2015)	Sardar Patel Institute of Technology, Mumbai	January 15-17, 2015	38,963/-
37.	Smt. G.S. Rekha Asst Professor Computer Science & Engineering	FDP programme on hands on session on cloud Computing, big data, information and network security and storage area networks	SVCE, Bangalore	January 19-23, 2015	3,000/-
38.	Smt .R. Harshitha Asst Professor Computer Science & Engineering				3,000/-
39.	Sri. T.S. Suresh Mechanic Industrial Engineering & Management	Short term course on Total productive management	Advanced training institute, Hyderabad	January 19-23, 2015	5,000/-
40.	Sri. M.K.Prasanna Kumar Telecommunication Engineering	FDP on Signals & System	BMSIT, Bangalore	January 27-31, 2015	1,000/-
41.	Dr M.N. Mamatha Assoc Professor Instrumentation Technology	International Conference on Advancement of Medical Electronics (ICAME -2015)	JIS College of Engineering, Kalyani, Kolakata	January 29-30, 2015	34,123/-
42.	Dr.L.Ravikumar Prof, Mechanical Engg & TEQIP Co-ordinator-II	Training on Management Capacity Enhancement Programme	Indian Institute of Management, Kozhikode	February 2-7, 2015	10,000/-
43.	Dr.Gowrishankar Prof & HOD-IS & Nodal Officer-Academic Activities				10,000/-
44.	Dr.Ravishankar Deekshit Prof and HOD Electrical & Electronics Engineering				10,000/-

Sl. No.	Name of the Faculty/staff, Designation & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
45.	Sri. Vardhman S Mudakappanavar Asst Professor Mechanical Engineering	63th Indian Foundry Congress	Indio Expo mart Ltd. Greater Noida	February 27- March 01, 2015	34,300/-
46.	Dr M.S. Dharmaprakash Professor Chemistry	International Conference on Recent advances in Bio-energy Research	SARDAR Swaran Singh National Institute of Renewable Energy (SSS-NIRE) Kapurthala	February 25-28, 2015	56,000/-
47.	Dr.B.V.Ravishankar Professor Civil Engineering	Training on Management Capacity Enhancement Programme	Indian Institute of Management, Kozhikode	March 2-7, 2015	2,026/-
48.	Dr.S.N.Mayanaik Professor Civil Engineering				1,826/-
49.	Dr.G.Giridhar Professor Mechanical Engineering				1,826/-
50.	Dr. R. Jayagowri Assoc Professor Electronics & Communication Engineering	All India Seminar on Critical technology issues: mini -underwater vehicles	The Institute of Engineers, Karnataka state center, Bangalore	March 11-12,2015	2,400/-
51.	Dr.Prerana Poddar Assoc Professor Electronics & Communication Engineering				3,400/-
52.	Dr. K.R. Suresh Professor Civil Engineering	International Conference on Water Resources, Coastal & Ocean Engineering (ICWRCOE)	NITK, Surathakal	March 12-14, 2015	15,500/-
53.	Sri. G.Dilip Maruthi Asst Professor Mechanical Engineering	International Conference on Materials Processing & Characterization (ICMPC-2015)	GRIET, Hyderabad	March 14-15, 2015	22,900/-
54.	Sri. Ugrasen.G Asst Professor Mechanical Engineering				

**THE DETAILS OF STUDENTS
COLLEGE UNDER TEQIP- II
CIRCULATION**

**WHO HAVE ATTENDED THE PROGRAMS OUTSIDE THE
THAT WERE APPROVED BY THE SUB-COMMITTEE BY**

Sl. No.	Name of the Student & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
01.	Sri. Praveen M.N BE [Electrical & Electronics Engineering]	International Conference on Electronics Communication and Computational Engineering (ICEECCE-2014)	Adhiyamaan College of Engineering, Hosur	November 17-18, 2014	6,000/-
02.	Sri. Abhishek M.V BE [Electrical & Electronics Engineering]				3,500/-
03.	Smt. Anvitha Shampur BE [Electrical & Electronics Engineering]				3,500/-
04.	Sri. Shanmukha Sandesh M.Tech [Electronics & Communication Engineering]	International Conference on Communication, Information & Computing Technology	Sardar Patel Institute of Technology, Andheri West, Mumbai	January 15-17, 2014	16,500/-
05.	Smt. Shruthi Karuturi M.Tech [Electronics & Communication Engineering]	Workshop on FPGA Digital Designs	VTU Extension Centre, Bangalore	November 29-30, 2014	1,250/-
06.	Sri. Kiran Kumar M.R M.Tech [Electronics & Communication Engineering]				1,250/-
07.	Smt. Poornima Baliga M.Tech [Electronics & Communication Engineering]				1,250/-
08.	Smt. N.Roopa M.Tech [Electronics & Communication Engineering]				1,250/-
09.	Smt. Namratha Baliga M.Tech [Electronics & Communication Engineering]				1,250/-
10.	Sri. Deepak N. M.Tech [Electronics & Communication Engineering]				1,250/-
11.	Sri. P. Kiran M.Tech [Electronics & Communication Engineering]				1,250/-
12.	Sri. Sachin M.Tech [Electronics & Communication Engineering]				1,250/-
13.	Sri. Vishwaradhya B Yadrami M.Tech [Electronics & Communication Engineering]				1,250/-
14.	Sri. Pesala Surendra Kumar M.Tech [Electrical & Electronics Engineering]				IEEE PES workshop on Young Researchers Meet Industries & Academics Interaction to Foster Research

Sl. No.	Name of the Student & Dept.	Details of Program	Place	Program Dates	Amount (Rs)
15.	Sri. Raghu Yogaraju Research Scholar Mechanical Engineering	National Tribology Conference (NTC-2014)	PES University, Bangalore	December 15-17, 2014	1,500/-
16.	Sri. Raghu Yogaraju Research Scholar Mechanical Engineering	Research Methodology and Latex	Vidya Vikas Institute of Engineering & Technology, Mysore	December 29-31, 2014	2,220/-
17.	Sri. R. Aditya Upadhyaya BE [Mechanical Engineering]	International Conference on Design, Manufacturing and Mechatronics ICDMM -2015	K.J. College of Engineering, Maharashtra	February 11-13, 2015	6,100/-
18.	Sri. Vivek Ramchandran BE [Mechanical Engineering]				6,100/-
19.	Sri Naveen Kulkarni BE [Instrumentation Technology]	National level Technical project exhibition and competition	Saingifts college of Engineering Kottayam, Kerala	February 13-14, 2015	3, 520/-
20.	Sri. Harsha H.V M. Tech [Computer Science & Engineering]	National Conference Recent trends in information Technology (NCRIT-2015)	BMSIT, Bangalore	February 14, 2015	580/-
21.	Sri. Vikas Attigeri M.Tech [Construction Tech]	National Conference on Emerging Trends in Engineering Technologies (ETET-2015)	Jyothi Institute of Technology, Bangalore	February 20-21, 2015	545/-
22.	Smt. Sowmya H.V M.Tech [Construction Tech]				545/-
23.	Smt. Anusha S.B M.Tech [Construction Tech]				545/-
24.	Smt. Indira.S. Research Scholar Biotechnology	workshop on "Research Methodologies"	VTU Regional Center, Bangalore	March 18-20, 2015	1,740/-
25.	Smt. Sahana Rao Research Scholar Biotechnology				1,740/-
26.	Smt. Roopa Gaonkar Research Scholar Biotechnology				1,740/-
27.	Smt. Krithika H.L Research Scholar Biotechnology				1,740/-

DETAILS OF INHOUSE PROGRAM CONDUCTED IN THE COLLEGE UNDER TEQIP- II THAT WAS APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

Sl. No.	Name of the Department	Title of the Program Program	Program Dates	Approx. Expenditure
01.	Medical Electronics	workshop on "Advance Training on Bluetooth Low Power Systems "	January 13-17, 2015	Rs.20,000/-

THE DETAILS OF FACULTY WHO HAVE PROPOSED TO ATTEND PROGRAMS OUTSIDE THE COLLEGE UNDER TEQIP- II

Sl. No.	Name of the Faculty, Designation & Dept.	Details of Program	Place	Workshop/Conf. Dates	Amount
01.	Dr. L. Udayasimha Professor Civil Engineering	International Conference on Earth Sciences & Engineering	Nehru Institute of Technology, Coimbatore	March 20-21, 2015	9,000/-
02.	Dr Rathanraj Professor & HOD Industrial Engineering & Management	Workshop on Rapid Prototyping	PESIT, Bangalore	March 30, 2015	500/-
03.	Dr.B.R.Ramji Asst Professor Industrial Engineering & Management				500/-
04.	KNP. Prasad Associate Professor Industrial Engineering & Management				500/-
05.	Dr. S. Jayanthi Professor & HOD Mathematics				6,500/-
06.	Dr. Chandra Shekara .G Asst Professor Mathematics	Three days workshop on "Advanced Computational Methods in Engineering and Science"	NIT, Warrangal	April 01-03, 2015	6,500/-
07.	Sri.Mallikarjuna. B Asst Professor Mathematics				6,500/-
08.	Sri. Rahul.R Asst Professor Mathematics				6,500/-
09.	Sri. M.K.Prasanna Kumar Asst Professor Telecommunication Engineering				IEEE International Conference on Communication & Signal Processing (IEEE-ICCSP 2015)
10.	Sri.Madhusudhan K.N Asst.Prof, E&C	Electromagnetic theory optics and lasers workshop	IIT-Kanpur	April 28- May 8,2015	

ANNEX 4: PERFORMANCE AUDIT FORM (1)**Institutional Performance Profile****AUDIT VISIT NUMBER: 2**

Institutional Performance Profile:

Dates of Performance Audit: **25-27, November, 2014**Name of the Performance Auditor: **Dr.A.SUBASH BABU,IIT-Bombay**Name of the Institution with location: **B.M.S.COLLEGE OF ENGINEERING, BENGALURU-560 019, KARNATAKA**Date of Performance Visit: **25-27, November 2014**

PIP REF	INSTITUTIONAL PERFORMANCE PROFILE	EVALUATION GRADES
Component 1: Improving the quality of education in selected institutions		
1.1	Strengthening institutions to improve learning outcomes and employability of graduates	Not Applicable
1.2	Scaling-up postgraduate education and demand-driven research and development and innovation	1 (ONE)
1.2.1	Establishing centres of excellence	2 (TWO)
1.3	Faculty development for effective teaching (pedagogical training)	2(TWO)
Component 1: Improving system management		
2.1	Capacity building to strengthen management	1 (ONE)
2.1.1	Implementation of good governance	1(ONE)
2.2	Project management, monitoring and evaluation	1 (ONE)

INSTITUTIONAL PERFORMANCE PROFILE GRADES AND GRADE DESCRIPTORS	
1.	Substantial evidence of good practice in the quality and standards achieved (Assessment identifies clear supporting evidence for at least 75% of the relevant practices.)
2.	Some evidence of good practice in the quality and standards achieved (Assessment identifies clear supporting evidence for at least 50% of the relevant practices.)
3.	Not in place (there may be one of the three primary reasons for this: a) no evidence can be found, b) there is evidence, but it is not of acceptable quality, or c) that there are plans for development but these have not yet taken place – in which case the auditor can indicate the expected date completion/implementation but the grade should remain 3.)

Note: Supporting evidence: The grade descriptors have two elements: one relating to the amount of the evidence (none, some or substantial); and one relating to the quality of the practice about which the evidence is gathered (is it good quality, or not?). So, for example, a grade of 1 means both that the evidence is good quality and that there is a substantial amount to demonstrate that it is of good quality (75% or more for the practices found).

Annex 4: Performance Audit Form (1)

ANNEX 4: PERFORMANCE AUDIT FORM (1.2)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

Name of the Performance Auditor: **Dr.A. SUBASH BABU**

Dates of Performance Audit: **25-27, November 2014**

Name of the Institution with location: **B.M.S COLLEGE OF ENGINEERING, BENGALURU – 560 019, KARNATAKA**

1.2 SCALING-UP POSTGRADUATE EDUCATION AND DEMAND-DRIVEN RESEARCH AND DEVELOPMENT AND INNOVATION

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (Note: Grades must be supported by sound evidence of achievement of the institutional development proposal goals and targets)																								
<p>A. Effectiveness of funds utilized for the teaching, training, learning and research equipment, library, computers, etc. by Institutions, including:</p> <p>Increase in the satisfaction index of student and faculty</p>	<ul style="list-style-type: none"> • New equipment, Laptops, Workstations, netbooks and software have been procured.(Annexure 1) • 5 new laboratories have been established and 8 laboratories have been modernized. • TECHFOCUZ Digital library software has been added to the Library [Annexure-I] • Considerable number of FDPs, workshops, seminars have been conducted in-house for the benefit of faculty members and appreciable number of faculty members have been sponsored for various programs conducted outside the college [in India and abroad] • Expert lectures, industrial visits, Live courses & MOOCs through QEEE and remedial classes for the weak students are conducted progressively (Annexure 3) • Students and faculty are satisfied with the facilities provided and the activities of TEQIP II) 																								
<p>B. Effectiveness of scaling-up Postgraduate Technical Education, Including: Increase enrolment for M.Tech and Ph.D.</p>	<p>Five PG Programmes (M.Tech) have been started during the project period with the approval of AICTE enhancing the total intake by 114 seats.</p> <p>Increase in the enrolment of students in noticed as below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Program</th> <th style="text-align: center;">2010-11</th> <th style="text-align: center;">2011-12</th> <th style="text-align: center;">2012-13</th> <th style="text-align: center;">2013-14</th> <th style="text-align: center;">2014-15</th> </tr> </thead> <tbody> <tr> <td>M.Tech</td> <td style="text-align: center;">144</td> <td style="text-align: center;">157</td> <td style="text-align: center;">163</td> <td style="text-align: center;">196</td> <td style="text-align: center;">245</td> </tr> <tr> <td>M.Sc.[Engg] By Research</td> <td style="text-align: center;">09</td> <td style="text-align: center;">16</td> <td style="text-align: center;">03</td> <td style="text-align: center;">07</td> <td style="text-align: center;">Under Progress</td> </tr> <tr> <td>Ph.D</td> <td style="text-align: center;">15</td> <td style="text-align: center;">41</td> <td style="text-align: center;">20</td> <td style="text-align: center;">48</td> <td style="text-align: center;">Under Progress</td> </tr> </tbody> </table>	Program	2010-11	2011-12	2012-13	2013-14	2014-15	M.Tech	144	157	163	196	245	M.Sc.[Engg] By Research	09	16	03	07	Under Progress	Ph.D	15	41	20	48	Under Progress
Program	2010-11	2011-12	2012-13	2013-14	2014-15																				
M.Tech	144	157	163	196	245																				
M.Sc.[Engg] By Research	09	16	03	07	Under Progress																				
Ph.D	15	41	20	48	Under Progress																				
<p>Establishment of proposed laboratories</p>	<ul style="list-style-type: none"> • Laboratories of existing PG programs have been strengthened/modernized and new laboratories have been established for new 5 PG Programs 																								
<p>Cumulative number of assistantships granted</p>	<ul style="list-style-type: none"> • Teaching Assistantship to Master's degree students - 215 • Research Assistantship to Doctoral Students - 15 																								

Annex 4: Performance Audit Form (1)

<p>C. Progress/achievement in starting new Postgraduate programmes, including: Securing AICTE approval</p>	<ul style="list-style-type: none"> A total of 05 PG (M.Tech) Programmes have been started during the project period with the approval of AICTE enhancing the total intake by 114 seats. Details are as under: 2011-12 M.Tech in Computer Network Engineering [IS] (Intake-18) 2013-14 M.Tech in Bio-Chemical Engineering [CH] (Intake-24) M.Tech in Bio-Medical Signal Processing & Instrumentation [ML] (Intake-24) 2014-15 M.Tech in VLSI Design & Embedded Systems [EC] (Intake-24) M.Tech in Manufacturing Science[ME](Intake-24) [Copy of AICTE approvals are at Annexure-II] 																		
<p>Establishment of laboratories</p>	<ul style="list-style-type: none"> A New laboratory is established for the each of the newly started PG programs and the laboratories of the existing PG programs are modernized/strengthened with adequate facilities as per requirement as cited in the Annexure-I. 																		
<p>Adequacy of student enrolments</p>	<ul style="list-style-type: none"> The status of enrolment of students to the newly started 5 PG programs during 2014-15 as mentioned below is appreciable : <table border="1" data-bbox="1167 639 2056 823"> <thead> <tr> <th>M.Tech</th> <th>VLSI</th> <th>Manf.Sci</th> <th>Computer Network Engg</th> <th>Biochemical</th> <th>Biomedical</th> </tr> </thead> <tbody> <tr> <td>Sanctioned Intake</td> <td>24</td> <td>24</td> <td>18</td> <td>24</td> <td>24</td> </tr> <tr> <td>Enrolment during 2014-15</td> <td>24</td> <td>21</td> <td>18</td> <td>17</td> <td>20</td> </tr> </tbody> </table>	M.Tech	VLSI	Manf.Sci	Computer Network Engg	Biochemical	Biomedical	Sanctioned Intake	24	24	18	24	24	Enrolment during 2014-15	24	21	18	17	20
M.Tech	VLSI	Manf.Sci	Computer Network Engg	Biochemical	Biomedical														
Sanctioned Intake	24	24	18	24	24														
Enrolment during 2014-15	24	21	18	17	20														
<p>D. Effectiveness of collaborations made with other institutions in India and abroad Including Increase in number of co-authored publications in refereed journal</p>	<p>The college is successfully participating in Quality Enhancement in Engineering Education [QEEE], an initiative of MHRD wherein 14 live classes 2 MOOCs have been conducted. Professors from IITB, IITM, IITK, and IITD have conducted the live classes. Report on QEEE activities is at Annexure-III</p>																		

Annex 4: Performance Audit Form (1)

<p>E. Increased collaboration with industry in research and development, including Increase in number of joint and industry sponsored research and development work undertaken</p>	<ul style="list-style-type: none"> Five industry sponsored R&D projects are in vogue [ABB, Forus, Nanopix, DUCOM & NI] Annexure-IV A total of 11 linkages through MOUs have been executed for Joint Research and Development. Details are provided in Annexure-V <table border="1" data-bbox="1178 1406 1648 1485"> <thead> <tr> <th>2011</th> <th>2012</th> <th>2013</th> <th>2014</th> </tr> </thead> <tbody> <tr> <td>02</td> <td>02</td> <td>02</td> <td>05</td> </tr> </tbody> </table>	2011	2012	2013	2014	02	02	02	05
2011	2012	2013	2014						
02	02	02	05						

Increase in financial contribution by industry for R& D	National Instruments has agreed to contribute to the extent of Rs.100 lakhs for the R&D work in Department of Telecommunication Engg [Digital Communication Lab]												
Increase in industry personnel registered for Masters and Doctoral Programmes	One industry personnel joined the M.Tech program during 2013-14 and four industry personnel have joined M.Tech course during 2014-15 [sponsor letters at Annexure-VI]												
Increase in industry personnel trained by the institution in knowledge and/or skill area	The department of Mechanical Engineering has conducted a six weeks skill enhancement/training programme for 37 employees of SCANIA Commercial Vehicles Pvt. Ltd., Bangalore during 10 th June 2013 to 2 nd August 2013.												
Increase in the number of consultancy assignments secured	The number of consultancy assignments received by the college is as under <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Year</th> <th>2010-11</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>Number of consultancy assignments</td> <td>43</td> <td>57</td> <td>85</td> <td>82</td> </tr> </tbody> </table>	Year	2010-11	2011-12	2012-13	2013-14	Number of consultancy assignments	43	57	85	82		
Year	2010-11	2011-12	2012-13	2013-14									
Number of consultancy assignments	43	57	85	82									
Increase in the number of students' and faculty visits to and/or training in industry	The details of industrial visits organised : [Annexure-VII] <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Period</th> <th>2010</th> <th>2011</th> <th>2012</th> <th>July 2013 to October 2014</th> </tr> </thead> <tbody> <tr> <td>Number of industrial visits</td> <td>32</td> <td>52</td> <td>45</td> <td>57</td> </tr> </tbody> </table> <p>25% Students are being encouraged to take up industrial internship</p>	Period	2010	2011	2012	July 2013 to October 2014	Number of industrial visits	32	52	45	57		
Period	2010	2011	2012	July 2013 to October 2014									
Number of industrial visits	32	52	45	57									
Improvements in graduate placement rate	Placement details <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>2012</th> <th>2013</th> <th>2014</th> </tr> </thead> <tbody> <tr> <td>UG</td> <td>83%</td> <td>75%</td> <td>77%</td> </tr> <tr> <td>PG</td> <td>48%</td> <td>38%</td> <td>44%</td> </tr> </tbody> </table>		2012	2013	2014	UG	83%	75%	77%	PG	48%	38%	44%
	2012	2013	2014										
UG	83%	75%	77%										
PG	48%	38%	44%										
Increase in involvement of industry experts in curricula & syllabi improvements, laboratory improvements, evaluation of students and delivering expert lectures	Experts from Industries are inducted in the Board of Studies of the departments and Academic Council. Each department conducts BOS Meetings periodically and the Academic Council meets at least once in a year.												

- Guest lectures by Industry personnel are organised in all the departments at regular intervals. The following curriculum as recommended by the industry personnel have been incorporated in the Syllabi.

Name of the Department	Name of the course	Name of the Industry that recommended the course
Industrial Engineering & Management	Statistical Quality Control	SAP
Computer Science & Engineering	Building Enterprise Applications	Infosys
Electronics & Communications Engineering	Embedded System & Micro controllers	ARM
Mechanical Engineering	Mechatronics	BOSCH

The college has conducted an interdisciplinary activity under IIC in phases i.e., Student project presentations during May 2014, the final evaluation of the best projects at the institutional level during July 2014 & National Technical symposium during Sept.2014 as evidenced from the minutes of the BOG displayed on the college website.

The student project presentations were held on 21.5.14 and the distinguished personalities from industry/academia were invited as judges. Three projects from each department were selected and out of them, the following three projects are adjudged as best at the institution level for the academic year 2013-14 in the final evaluation conducted on 3.7.2014.

Sl. No.	Department	Title of the project	Name of the students	Guide's Name
1	Electrical and Electronics Engineering	Comparative study of the performance of a Novel Bifurcated Stator Winding and an Existing TSCAOI configuration of a Grid connected wind turbine generator	Vijay M N, Ashik Bopanna, Anish Rao, Gautham Tantry H	Dr.P.Meena
2	Instrumentation Technology	Communication Aid for Paralyzed Patients	Pooja BR , Varsha Bindu B.S, Yashashwini HN, Akshata Anand	Prof.Veena N. Hegde
3	Mechanical Engg	Compliant Bi-Modal Bi-Stable Easy Chair	Akshay Varik, Amit Kumar Singh, Anirudh N.Katti, Rahul R.Kamath, S.Darshan	Prof. H. K. Rangavittal

One of these best projects titled 'Compliant Bi-Stable Easy Chair' competed in the 'American Society of Mechanical Engineers(ASME) Innovative Design Simulation Challenge 2014' scheduled in the ASME

	<p>International Design and Engineering Technical Conference and computers and information in Engineering Conference[IDETC/CIE] at Buffalo, New York during August 17-20, 2014 and won in the 'commercial simulation software category of the event'</p> <p>The college has conducted National Technical symposium [PHASE SHIFT 2014] during September 6-8, 2014 with focus on enhancing industry institution interaction that created a unique platform for the panel discussion on Industry-Institute Interaction, presentation of student projects, technical paper presentations by students, product presentations by the industry, interaction among the faculty and experts from the industry, workshops/seminars to the students from experienced resource persons from the industry, student competitions on various technical skill sets, interactions with Alumni having successful entrepreneurship background. [Annexure-VIII]</p> <p>The Principal has made a brief presentation on the conduction of the PHASE SHIFT 2014 and its outcomes. He further informed the members that the event paved way for active participation of all the stakeholders in enhancing the industry-institute interaction, harnessing the graduate attributes of budding engineers as recognized, exposing the students' talent by encouraging them to participate in various technical competitions and promoting the need to innovate in the technical field through talks by eminent resource persons.</p>																										
<p>Increase in the number of sandwich programmes between industries and the institution</p>	<ul style="list-style-type: none"> > Year 2011-12- ZTE, Robert Bosch, NI(Total 3) > Year 2012-13- ZTE, Robert Bosch, NI, BSNL, Infosys & EMC² (Total 6) > Year 2012-13- ZTE, Robert Bosch, NI, Infosys, EMC² , SAP (Total 6) 																										
<p>F. Increase in percentage of revenue from externally funded research and development projects and consultancies as a percentage of the total revenue of the institution from all sources</p>	<p>The details of percentage of revenue from externally funded R&D projects & Consultancies as a percentage of total revenue of the institution are as under :</p> <table border="1" data-bbox="891 821 1832 877"> <thead> <tr> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>2%</td> <td>2%</td> <td>2%</td> </tr> </tbody> </table> <p>The details of external funded R & D projects are :</p> <table border="1" data-bbox="891 925 1832 981"> <thead> <tr> <th>Year</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>Amount received</td> <td>Rs. 64 lakhs</td> <td>Rs.35 lakhs</td> <td>Rs.59 lakhs</td> </tr> </tbody> </table> <p>The details of consultancy projects are :</p> <table border="1" data-bbox="891 1013 1832 1098"> <thead> <tr> <th>Year</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>Amount received</td> <td>Rs.18 lakhs</td> <td>Rs.63 lakhs</td> <td>Rs. 55 lakhs</td> </tr> <tr> <td>Number</td> <td>57</td> <td>85</td> <td>83</td> </tr> </tbody> </table>	2011-12	2012-13	2013-14	2%	2%	2%	Year	2011-12	2012-13	2013-14	Amount received	Rs. 64 lakhs	Rs.35 lakhs	Rs.59 lakhs	Year	2011-12	2012-13	2013-14	Amount received	Rs.18 lakhs	Rs.63 lakhs	Rs. 55 lakhs	Number	57	85	83
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<p>G. Increase in the number of publications in refereed journals</p>	<p>The increase in the publications in refereed journals is noticed and the details are as under:</p> <table border="1" data-bbox="873 1173 1832 1228"> <thead> <tr> <th>Year</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>Publications in refereed journals</td> <td>96</td> <td>142</td> <td>169</td> </tr> </tbody> </table>	Year	2011-12	2012-13	2013-14	Publications in refereed journals	96	142	169																		
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Publications in refereed journals	96	142	169																								
<p>H. Increase in the number of patents filled</p>	<p>Total Number of Patents obtained by faculty=09</p> <p>Total Number of Patents filed=22 [Annexure- IX]</p>																										
<p style="text-align: right;">Evaluation Grade for 1.2 1 (ONE)</p> <p style="text-align: center;">Using the 3-point grading scale and grade descriptors in Annex4(1)</p>																											

A-16

ANNEX 4: PERFORMANCE AUDIT FORM (1.2.1)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

Name of the Performance Auditor: **Dr. A. SUBASH BABU** Dates of Performance Audit: **25-27, November 2014**

Name of the Institution with location: **B.M.S COLLEGE OF ENGINEERING, BENGALURU – 560 019, KARNATAKA**

1.2.1 ESTABLISHING CENTRES OF EXCELLENCE

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (Note: Grades must be supported by sound evidence of achievement of the institutional development proposal goals and targets)
<p>A. Establishing Centers of Excellence Improvement in Research and Development facilitates through:</p> <ul style="list-style-type: none"> ➤ Establishment of new laboratories for applicable thematic research ➤ Establishment of a knowledge resource Centre (library) in the thematic area ➤ Procurement of furniture ➤ Civil works 	<p>Three laboratories are established under COE [Annexure-X]</p> <p>They are: (i) Phase Change Memory Materials Lab (ii) Polymer Composites Lab (iii) Water Jet Cutting Facility</p> <p>Yet to be created</p> <p>The college management has provided requisite furniture for the aforesaid laboratories</p> <p>The college management has provided building with necessary interiors for the aforesaid laboratories</p>
Evaluation Grade for 1.2.1 2 (TWO)	
Using the 3-point grading scale and grade descriptors in Annex4(1)	

Annex 4: Performance Audit Form (1.2.1)

ANNEX 4: PERFORMANCE AUDIT FORM (1.3)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

Name of the Performance Auditor: **Dr. A. SUBASH BABU**

Dates of Performance Audit: **25-27, November 2014**

Name of the Institution with location: **B.M.S COLLEGE OF ENGINEERING, BENGALURU – 560 019, KARNATAKA**

1.3 FACULTY DEVELOPMENT FOR EFFECTIVE TEACHING (PEDAGOGICAL TRAINING)

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (Note: Grades must be supported by sound evidence of achievement of the institutional development proposal goals and targets)
<p>A. Efforts made by institutions providing Pedagogy training to faculty, including: Percentage of faculty who have benefitted from the core and advanced modules of pedagogy training</p>	<p>The institution conducted pedagogy training to the newly recruited faculty members to enable them to deliver technology based TLP for the benefit of students.</p> <p>During 2013-14, 90 faculty members have undergone pedagogical trainings that includes Two week ISTE Workshop [online activity] on 'Pedagogy for Effective use of ICT in Engineering Education' for faculty conducted by IIT, Bombay online, during 12th June to 2nd August 2014 [Annexure- XI]</p>
Improvements in (and/or updating, and more relevant) curricula and/or syllabi	Curricula /Syllabi are revised regularly to meet the current industry demands
Improvements in (and/or updating, more relevant) course assessment methods	<p>a) The academic progression of a student is continuously monitored and assessed</p> <p>b) Continuous Internal Evaluation [CIE] through tests, quizzes and classroom seminars</p> <p>c) Process of evaluation of semester End Examinations</p> <p>(i) If No. of scripts >20, valuation is done & 30% of scripts are reviewed.</p> <p>(ii) If No of scripts ≤20, double evaluation is done, average of the scores awarded is considered for award of final grade.</p> <p>(iii) In case of double evaluation, if difference is >15 marks then third evaluation is done.</p> <p>(iv) Average of closest two scores is considered for award of final grade.</p> <p>The Alternate Assessment Tool was at 10% of internal assessments, and now it is increased to 20% of the internal assessment</p>

Improvements in teaching and learning methods, including provision for students needing extra/remedial support	Identification of weak students through diagnostic tests and conduction of remedial classes, proctoring, introduction of need based curriculum that includes integrated courses , mini projects , continuous internal evaluation through quizzes and tests, online courses in collaboration with IITs through QEEE , conduction of Fast track/supplementary semesters for slow learners, enhanced industrial visits, use of language lab, pre-placement training etc.
Percentage of faculty with UG qualification registered/deputed for improving their qualification (see Section03, 4(b) on page 20 pf PIP)	100% Two faculty members out of the total faculty having BE degree qualification has been deputed for doing M.Tech .
Percentage of faculty deputed for subject domain training, seminars, etc. (faculty are required to share their gains with peers and put reports on training on institutions' web site)	82%(247/303) are deputed to subject domain training, seminars etc. A practice of faculty submitting a brief report on their participation in various activities/trainings, knowledge gained and further sharing their experience with peers is in vogue
Progress in securing accreditation of eligible UG & PG programmes (Institutions to achieve target of 60% of eligible UG & PG programmes accredited-applied for within 2 years of joining the Project)	Out of 12 UG Programmes 11 have been accredited by NBA under Tier-I Format of Washington Accord. Five programmes have been accredited for a period of 05 years and rest for the period of 02 years. It may be noted that, BMSCE has also been Accredited by National Assessment & Accreditation Council [NAAC] with CGPA of 3.41 on four point scale at 'A' grade valid upto January 04, 2018. The details of Accreditation for UG Programmes are shown at Annexure-XII .
B. Effectiveness of Pedagogy Training, including > Percentage of students satisfied with the quality of teachers and changes/developments specifically undertaken as a result of student evaluations	
Evaluation Grade for 1.3 2 (TWO) Using the 3-point grading scale and grade descriptors in Annex4(1)	

ANNEX 4: PERFORMANCE AUDIT FORM (2.1)

COMPONENT 1: IMPROVING QUALITY OF EDUCATION IN SELECTED INSTITUTIONS

Name of the Performance Auditor: **Dr. A.SUBASH BABU**

Dates of Performance Audit: **25-27, November 2014**

Name of the Institution with location: **B.M.S COLLEGE OF ENGINEERING, BENGALURU – 560 019, KARNATAKA**

2.1: CAPACITY BUILDING TO STRENGTHEN MANAGEMENT

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (Note: Grades must be supported by sound evidence of achievement of the institutional development proposal goals and targets)
<p>A. Implementation of academic and non-academic reforms, including:</p> <p>Improved understanding of the need and ways for increased autonomy, and new instruments for accountability</p>	<p>Academic Autonomy – UG Programmes The College has been awarded the academic autonomy by the Government/University for UG Programs from the academic year 2008-09 onwards. The Institution now has the privilege to frame need-based curriculum and introduce new learning methods. The employability factor is one of the prime considerations in the design and development of Curriculum. The inputs of the members of Industry and academicians [who are part of BoS] along with the feedback of students, alumni and placement cell are taken into consideration while framing the syllabus.</p> <p>Academic Autonomy – PG Programmes The application seeking conferment of academic autonomy to eligible PG Programmes [along with scheme and syllabus] for the period from 2014-15 to 2019-20 in the prescribed format has been submitted to VTU on 13.05.2014 for onward transmission to UGC for consideration and approval.</p> <p>The VTU has granted the status of Permanent Affiliation to all the 13 UG and 10 eligible PG Programmes i.e. out of 24 eligible programmes (both UG & PG) 23 programmes i.e. 96% of the Programmes have been accorded PA Status. The institution is expecting conferment of Academic Autonomy for PG Programmes shortly. Academic autonomy will help to change the Curriculum based on the industry needs. (Applied for academic autonomy)</p>
<p>Modernization and decentralization of administration and financial management</p>	<p>The Administration is decentralised through formation of various department/section level Committees involving all stake holders in the decision making processes.</p> <p>The Maximum resource mobilization is through tuition and miscellaneous fees collected from the students. In addition to this, grants received from AICTE, VTU etc form the other Institutional resources.</p> <p>The Departmental requirement for each [financial] year is obtained and weighed. Budgetary Allocations based on the requirement/actual [previous years] expenditure is approved [for each departments]. Optimum utilization of the same is monitored regularly and confirmed. The Proposals with thrust on academic excellence, research and Development are favourably considered and encouraged. The Board of Management has also constituted a Finance Committee as per UGC Guidelines for the Autonomous Colleges – Eleventh Plan period 2007-12. The Finance Committee also acts as an advisory Body to the Governing Body and will meet at least twice in a year.</p> <p>Four funds (Corpus Fund, Staff development fund, Maintenance Fund, Equipment replacement fund) are established to ensure financial sustainability. At present, the Accounting system semi-automated. Efforts are on to make the accounting system fully automated for better and effective control.</p>

<p>Extent of delegation of administrative and financial decision making powers to senior functionaries</p>	<p>The Departments are autonomous in terms of their academic functioning and have separate bodies to regulate their academic works. With regards to administrative aspects, the Institution has constituted various full-fledged committees to oversee the functioning of the units and its activities. The Library Committee, Hostel Committee, Building & Works committee, Sports & Cultural Committee etc are some of such Committees. The roles and responsibilities of the Chairman, Member-Secretary and the Members are well-defined and the recommendations made by these committees are given due weightage.</p> <p>The Departmental Academic Committee, Board of Studies, Departmental Procurement Committee assess the compliance of all administrative and academic matters and ensures implementation of planned activities. A well-knit organisational arrangement is in place to administer and monitor various administrative and other activities. The Administration is decentralized by way of constituting various sub-committees depending upon the nature of the work to be executed. The recommendations of these committees are valued and implemented appropriately.</p> <p>The following are some of the other aspects related to decentralization in working;</p> <ul style="list-style-type: none"> ▪ Operational Freedom enjoyed by the Principal and HoDs ▪ Close follow up and monitoring • Vice Principal appointed by the Board of Management to assist the process of administration. Appointment of Senior Faculty as Dean, Academic, Dean (First Year), Dean, Management, Dean Placement & Training & Controller of Examinations to ensure that the academic standards are maintained ▪ The office of the Controller of Examinations facilitates conduction of CIE and SEE in accordance with university guidelines applicable for an autonomous Institution. <p>Major decisions are taken at the meeting of the Heads of the Departments [College Council] and College Core Committee Comprising of Principal, Vice-Principal and Deans.</p>
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Responsiveness to stakeholders (students, faculty, staff, industry, local communities)

Faculty representatives are invited to participate in the proceedings of the BOG. The minutes of the Meeting are also published in the College website (Ref: BOG /52/15.07.2013/4.4). More than 60% of the faculties contribute to decision making in various academic and administrative functions (by respective statutory & other committees) of the institution. The Chairman, BOG meet the faculty and students periodically to redress their grievances. The opinions of the faculties and students are valued and duly considered based on its merit.

The relevant information is shared with HODs, faculty and staff through various meetings. For example- the guidelines for evaluating the annual academic performance of the faculty by way of duties and responsibilities were approved in the BOG meeting held on 15.07.2013 (Ref: BOG /52/15.07.2013/4.1). The same was notified through Office note No.BMS/PPL/PS/13-14 dated 02.09.2013.

The Management norms for staff (Ref: BOG /48/16.03.2012/3.1). The same was notified to all staff members in the form of booklet and also published in college website (www.bmsce.ac.in).

- Student representatives are invited to the BOG meetings while students related matters/items are taken up for discussions (Ref: BOG /53/21.11.2013/6.1 & 6.2).
- The academic progression of a student is continuously monitored and assessed. The system of Continuous Internal Evaluation helps to ascertain the academic standard of the student from time to time and impart remedial measures
- Grievance Redressal Committee [GRC] is constituted to redress the grievance of students and parents.
- Student Feedback Committee facilitates the evaluation of teachers performance by students and on all aspects.
- The Institution provides financial incentives for the students who excelled in academics and those who
 - are proficient in sports and represented the Institution at the National/State/University level. Best student projects are identified and the students felicitated on the occasion of Engineers Day.
 - The College offers support services for students and promotes student participation in organizational aspects of all academic, social, cultural, recreational and governance programs.
 - Periodical Parent-Teacher Meetings

In a concrete attempt to make the campus relevant to the needs of the community and with a view to developing healthy contacts between the students and teachers [on a voluntary basis] on one hand and establishing a constructive linkage between the campus and the community on the other hand, the Institution has established a NSS [National Service Scheme] Cell. The Cell conducts regular NSS activities and special camping programmes. The Institution has been conducting various Community service programmes like Blood Donation Camps/Awareness programmes and activities with NGOs from time to time thereby discharging its societal Commitment.

Institutional quality assurance and enhancement strategies, including student feedback mechanisms

The Academic Progression of a student is continuously monitored and assessed. The system of Continuous Internal Evaluation helps to ascertain the academic standard of the student from time to time and impart remedial measures.

Proctor System: Each student is assigned to a faculty advisor (Proctor), who keeps track of academic progress of the students.

Result Analysis: enables easy understanding of the performance level

Student Representatives invited to BOG Meetings: student representatives are invited to the BOG meetings to discuss and consider their view points. The minutes of the Meeting are published in the College website

Augmentation of Facilities: Some of the facilities like Laboratories & Library are made available for the users (students/faculty) at extended hours.

Management funded Projects: to encourage young faculty & students to carryout research activities the management offers seed money.

Strategic Plan: The Management monitors the strategic plan [both short term goals and long term goals] through periodical reviews (quarterly) of the implementation of strategic plan.

Regular Meetings/Monitoring: Parents are invited atleast once in a semester to discuss the progress of their wards. This is in addition to the regular monitoring of the student's progress by their respective proctors.

Regular Feedback from students: BMSCE is conducting student Feedback process every semester to improve teaching, infrastructure and the entire learning experience for the students during their tenure. The college has instituted an online student's feedback system to obtain feedback on teaching, course work and various academic activities. A minimum of three feedbacks sessions will be captured in a semester.

Industry Institute Interaction Cell: Enhanced institute-industry interface through regular guest lectures/workshops, industry visits, campus connect programs and establishing collaborative laboratories

Academic Audit: Regular Academic Audit (both internal & external) are in place. The audit reports are reviewed and approved by the Management.

Established Entrepreneur Development Cell (EDC): In order to nurture the idea of entrepreneurship among the student ED cell has been established

Grievance Redressal Cell is constituted for the purpose of redressal of grievance of students, parents and others.

Student forums: In each Department to nurture creativity & innovation

The College has permanent buildings where Departments have sufficient accommodation for meeting academic requirements. The infrastructural facilities are added/augmented periodically to supplement the academic growth. For the financial year 2013-14 Rs.298 Lakhs were expended towards Building Maintenance, AMC, Electrical Maintenance, Services Charges etc as against the allocation of Rs.286

Maintenance of academic and non-academic infrastructure and facilities, including sufficiency and quality of academic buildings	The Management ensures proper maintenance of Physical infrastructure by making sufficient budgetary allocations. The Building & Maintenance Section judiciously assesses the requirements and makes arrangements for proper maintenance of all physical facilities. The Building & Works Committee, which is the approving authority closely monitors the activities of the Section and its works. In the Departmental budget, sufficient funds are allocated towards regular maintenance. Major equipment's and software are under AMC. The Campus Wide Networking is monitored by the Data Centre.
Development, maintain and utilization of institutional resources	<ul style="list-style-type: none"> • Optimum utilization of space • Water and energy harvesting methods are in vogue • Maintenance activities of the institution are being met out of the income generated by the institution
Generation, retention and utilization of Income Revenue Generation	The Maximum resource mobilization is through tuition and miscellaneous fees collected from the students. In addition to this, grants received from AICTE, VTU etc form the other Institutional resources. The institute has put in considerable efforts for mobilizing resources through consultancy. Number of Ongoing External Research Projects
Evaluation Grade for 2.1	
Using the 3-point grading scale and grade descriptors in Annex4(1)	
1 (ONE)	

Annex 4: Performance Audit Form (2.1)

ANNEX 4: PERFORMANCE AUDIT FORM (2.1.1)

COMPONENT 2: IMPROVING SYSTEM MANAGEMENT

2.1: CAPACITY BUILDING TO STRENGTHEN MANAGEMENT (continued)

2.1.1: IMPLEMENTATION OF GOOD GOVERNANCE

(See Also Annex 4 of the Good Governance Guide for Governing Bodies for examples of supporting evidence)

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (Note: Grades must be supported by sound evidence)	GRADE
Section A: Primary accountabilities		
<p>➤ Has the Governing Body approved the institutional strategic vision, mission and plan-identifying a clear development path for the institution through its long-term business plans and annual budgets? (Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up.)</p>	<p>Yes, a Copy of the BMSCE Strategic Plan for the Period 2013-2020 is enclosed herewith. The Strategic Plan has been prepared with a clear objectives and strategies for long term and short term goals. The Management periodically reviews its implementation</p>	1 (ONE)
<p>➤ Has the Governing Body ensured the establishment and monitoring of proper, effective and efficient systems of control and accountability to ensure financial sustainability? (Give dates of Governing body meetings where the minutes record these matters having been discussed, approved and/or followed up at the systems level.)</p>	<p>Annual Budget: A proper system for the financial management and control by way of both internal and external audits is in place. The budget is prepared by the Head of the Departments and central heads and Principal. The BOG approves the annual institutional budget. Four funds (Corpus Fund, Staff development fund, Maintenance Fund, Equipment replacement fund) are established to ensure financial sustainability.</p> <p><u>Evidence:</u> The Annual budget for the financial year 2014-15 is approved by BOG in its meeting held on 07.04.14.</p> <p>The corpus funds were approved by the BOG in its meeting held on 07.04.14.</p>	1 (ONE)
<p>➤ Is the Governing Body monitoring institutional performance and quality assurance arrangements? (Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up at the systems level.)</p>	<p>The Governance process is transparent and involve faculty/staff in the decision making process. There are several committees (both statutory and non-statutory) for maintaining effective and efficient system of control. The input quality is measured in terms of CET/COMEDK Ranks etc. and the output in terms of placement, results etc. The feedback Whether the institution is achieving the intended outcome in comparison with its strategic plan is also seen as one of the parameters of evaluation. The output in terms of Placement, Result etc., are evaluated by the BOG in almost all of its meetings.</p> <p><u>Evidence:</u> The BOG in its meeting held on 28.03.13 reviewed the accreditation status (NAAC and NBA) also noted the observations of the LIC of VTU.</p> <p>The BOG in its meeting held on 15.07.13 Introduced performance based incentive scheme for research in order to enhance research outcomes.</p> <p>The BOG in its meeting held on 21.11.13 invited student representatives to ascertain their views on various academic and administrative matters.</p>	1 (ONE)
<p>➤ Has the Governing Body put in place suitable arrangements for monitoring the head of the institution's performance?</p>	<p>A system to review the performance of Head of the Institution, faculty and staff is in place. The guidelines, Duties and Responsibilities in respect of</p>	2 (TWO)

(Give dates of governing body meetings where the minutes record these matters having been discussed, approved and/or followed up.)	Principal were prescribed by the BOG in its meeting held on 21.11.13. The confidential report of the Principal is reviewed by the Chairman BOG every year. The Principal presents periodical reports on the institutional activities to the BOG. The Principal also provides periodic report on the extent of compliance to the strategic plan. <i>It is not clear what metrics are used to assess the effectiveness of the Principal and the Heads though it is very evident that the Principal is very competent and an able leader. Under his able leadership BMSCE has emerged as a top institute in the region.</i>	
Section B: Openness & Transparency in the operation of governing bodies		
<p>➤ Does the Governing Body publish an annual report on institutional performance? (Give the publication date and type of publication of most recent annual report, if there is one)</p>	<p>Annual report is presented and discussed in the BOG. The same is published in the College website. Evidence: The list of important academic/other activities of the college (period from Jan 2014 to March 2014) was noted by the BOG in its meeting held on 07.04.14. The same was published on the College website www.bmsce.ac.in</p>	1 (ONE)
<p>➤ Does the Governing Body maintain, and publicly disclosed, a register of interests of members of its governing body? (Given that a formal register is not yet normal practice in colleges, provide evidence of any published information on governing body members' financial and commercial interests)</p>	<p>BMSCE is an aided institution. It is an Autonomous institution under VTU adhering to the norms of UGC/AICTE/VTU/DTE as is the case. The BOG composition is as per UGC guidelines. Process of collecting register of interests of BOG members is currently under process.</p>	2 (TWO)
<p>➤ Is the governing Body conducted in an open a manner, and does it provide as much information as possible to students, faculty the general public and potential employers on all aspects of institutional activity related to academic performance, finance and management? (Say whether the governing minutes are published on the institution website, and note any other steps that the governing body takes to communicate with its stakeholders on its work as a Board)</p>	<p>Governing body is conducted in an open manner. Faculty representatives are invited to participate in the proceedings of the BOG Similarly, student representatives are invited to the BOG (from BOG Meeting held on 21.11.13) meetings and their view are obtained and duly considered. The minutes of the Meeting are also published in the College website (bmsce.ac.in). The relevant information is shared with HODs, faculty and staff through various meetings/circulars.</p>	1 (ONE)
Section C: Key attributes of governing bodies		
<p>➤ Are the size, skills, competences and experiences of the Governing Body, such that it is able to carry out its primary accountabilities effectively and efficiently, and ensure the confidence of its stakeholders and constituents? (Specify the range of skills and experience that the members of the governing body, and especially the external members, have)</p>	<p>The BOG of BMSCE has been constituted as per the UGC guidelines (UGC XI Plan). The Institution being a TEQIP Institution, the BOG constitution has also been approved by the State Government. The BOG consists of independent representatives From Government, UGC, University & Industry. The management has also included two more Faculty members (on rotation basis) as invitees. BOG interacts with student representatives during board meetings.</p>	1 (ONE)
<p>➤ Are the recruitment processes and procedures for governing body members rigorous and transparent? (Specify how governing body members are selected, and whether that process is transparent)</p>	<p>The BOG is constituted as per UGC guidelines. The Management nominees are decided by the Council of Trustees, BMSET</p>	2 (TWO)
<p>➤ Does the governing Body have actively involved independent members and it the institution free from direct political interference to ensure academic freedom and focus on long term educational objectives? (Give examples, where possible, of the role of external</p>	<p>The BOG comprises of members with strong academic background and administrative experience. This has vastly contributed to the success of the Institution. The institution is free from political interference. The Academic Council, the highest body is responsible for setting academic standards, policies and procedures.</p>	1 (ONE)

members in improving the performance of the institution)		
<p>➤ Are the role and responsibilities of the Chair of the Institution and the Member Secretary serving the governing body clearly stated? (If yes, specify the document where these roles are defined)</p>	The BOG is constituted as per prevailing UGC guidelines (UGC XI Plan). The role and responsibilities of the Chairman, Head of the Institution and Member-Secretary serving the governing body is followed is clearly identified and as per guidelines.	1 (ONE)
<p>➤ Does the Governing Body meet regularly? Is there clear evidence that members of the governing body attend regularly and participate actively? (State the number of meetings in the last year, and the average number of those Board members present and those members absent at those meetings)</p>	<p>The BOG meets regularly normally, four meetings times in an academic year. The members of BOG participate regularly and make active contributions for academic growth and development. The BOG members directly participate in various activities of the Institution and spend quality time to encourage the faculty, staff and students.</p> <p><i>Evidence: In the recent times, the meetings of BOG were conducted on 28.03.13, 15.07.13, 21.11.13 & 07.04.14. 20.11.2014</i></p>	1 (ONE)
Section D: Effectiveness and Performance review of governing bodies		
<p>➤ Does the governing Body keep their effectiveness under regular review and in reviewing its performance, reflect on the performance of the institution as a whole in meeting its long-term Strategic objective and its short-term indicators of performance/success? (If yes, give the date(s) of governing body meetings where the minutes show that such a review has been discussed)</p>	<p>The Management monitors the strategic plan, both short term goals and long term goals, through periodical reviews (quarterly) of the implementation of strategic plan.</p> <p>Evidence: The Strategic plan of BMSCE (2013-2020) was approved by the Council of Trustee in their meeting held on 04.04.13 and by the BOG in its meeting held on 15.07.13. The period report on implementation of Strategic Plan (period from the previous meeting) is presented before the Council of Trustees in their meetings.</p>	2 (TWO)
<p>➤ Does the Governing Body ensure that new members are properly inducted, and existing members receive opportunities for further development as deemed necessary? (If yes, give examples of how these two tasks are carried out)</p>	The BOG is constituted as per the guidelines of statutory and regulating Bodies. The existing members are continued to be involved in the developmental activities in various prominent capacities such as Academic Mentors, Board of Recruitments, special invitees to the BOG.	1 (ONE)
Section E: Regulatory compliance		
<p>➤ Does the Governing ensure regulatory compliance* and , subject to this, take all final decisions on fundamental matters of the institution. (If yes, give the date(s) of governing body meetings where the minutes show that regulatory compliance has been discussed)</p>	<p>The BOG ensures compliance to various regulatory bodies like VTU, State Government, AICTE and COA on regular basis.</p> <p>Evidence: The BOG in its meeting held on 28.03.13, 15.07.13, 21.11.13 & 07.04.14 reviewed the compliance /approvals accorded by the various regulatory bodies.</p>	1 (ONE)
<p>➤ Does the regulatory compliance include demonstrating compliance with the 'not-for-profit' purpose of education institutions? (If yes, give evidence that the governing body has been directly involved)</p>	<p>Fee structure compliance is being followed; Admissions are as per admission rules of Karnataka State. Further the budget clearly shows the not-for profit purpose and evidence.</p>	
<p>➤ Has there been accreditation and/or external quality assurance by a national or professional body? If so, given name, current status of accreditation etc. (Provide lists of all courses which have already been accredited, all courses where an application has been made, and all courses where no such application has yet been made)</p>	<p>BMSCE is accredited with 'A' Grade (3.41 on 4 point scale) by National Assessment & Accreditation Council.</p> <p>The Member-Secretary, NBA through his communication dated 08.10.2014 have approved the accreditation status of UG Programmes applied by BMSCE under Tier-I Format (Washington Accord). Out of 11 UG Programmes, five programmes have been accredited for a period of 05 years and rest for the period of 02 years.</p>	1 (ONE)

	Evidence: The report on the status of NBA evaluation/Accreditation were evaluated by BOG on 20.11.2014	
	Overall evaluation Grade for Governance 2.1.1 A-E Using the 3-point grading scale and grade descriptors in Annex 4(1)	1 (ONE)

ANNEX 4: PERFORMANCE AUDIT FORM (2.2)

COMPONENT 2: IMPROVING SYSTEM MANAGEMENT

Name of the Performance Auditor: **Dr. A.SUBASH BABU**

Dates of Performance Audit: **25-27, November 2014**

Name of the Institution with location: **B.M.S COLLEGE OF ENGINEERING, BENGALURU – 560 019, KARNATAKA**

TABLE 2.2: PROJECT MANAGEMENT, MONITORING AND EVALUATION

MONITORING AND PROJECT OUTPUT/OUTCOME PARAMETERS	SUPPORTING EVIDENCE (Note: Grades must be supported by sound evidence of achievement of the institutional development proposal goals and targets)	GRADE
A. Effectiveness of mentoring, reviews, surveys and audits conducted, including: > Increase in the achievement of the institutions goals and targets set out in the Institutional Development Proposal	Two mentoring sessions have been conducted so far. The institution is implementing the suggestions of mentors and auditor effectively.	1 (ONE)
B. Effective project management and monitoring, including: > Precise and reliable information/data through web based MIS available to stakeholders at all time	<p>The core team associated with the project is very enthusiastic and works in a cohesive manner . This team consists of most of the heads of various functions and therefore the impact of the project is very significant. People are willing to share any information about the TEQIP II initiatives. There is a kind of competition among the departments to derive the benefits of the project and as a result the efforts are spread across various departments.</p> <p>The college now faces a peculiar problem. As a result of their effective project implementation , they tried to adhere to their original schedule keeping March 2015 as the deadline. In that process they would be almost exhausting all the funds by March 2015. Since TEQIP II is being extended , they may not have adequate fund to keep the project floating. Besides, since there is a likelihood of TEQIP II beyond March 2015, they have included additional scope to some of the activities, for which they ,may need some additional funds.</p> <p>NPIU may assess the situation and do the needful. Perhaps the college may be asked to submit an appropriate report justifying their needs .</p>	1 (ONE)

<p>C. Effectiveness of faculty evaluation by students, including:</p> <ul style="list-style-type: none"> ➤ Percentage/increase in percentage of faculty evaluated by students in one or more subject ➤ Are results of evaluation properly used for teacher improvement? <p>If yes, is the procedure adopted for teacher improvement including counselling appropriate and effective?</p>	<p>The course feed backs are used effectively by way of giving counselling to the teachers who are identified for appropriate improvement. But it is not clear how best the counselling helped the concerned teachers. Perhaps it will take some time the see such results. But the efforts are underway.</p> <p>The college may track the effects of such counselling sessions.</p>	<p>1 (ONE)</p>
<p>Overall evaluation Grade for 2.2 Using the 3-point grading scale and grade descriptors in Annex 4(1)</p>		<p>1(ONE)</p>

ANNEX 4: (FEEDBACK)

PERFORMANCE AND DATA AUDIT FEEDBACK

(Feedback to the institution, state project facilitation units, the national project implementation unit/and relevant Mentor)

Name of the Performance Auditor: **Dr.A. SUBASH BABU, IIT BOMBAY**

Dates of Performance Audit: **25-27, November 2014**

Name of the Institution with location: **B.M.S COLLEGE OF ENGINEERING, BENGALURU – 560 019, KARNATAKA**

Key points feed back by the Performance Auditor to the Institution at the end of the visit – against the seven aspects of evaluation

1. It was found that the activities of TEQIP II are widely spread and as a result the PROJECT is very visible and popular. But the spread is rather thin and therefore the long term effects may be limited, unless the college is able to sustain such activities by generating their own fund. It was suggested that they may seek other sources to support some of the exciting projects in progress (like automated water supply for irrigation, bio medical etc,)
2. While discussing with various stake holders I have used 4 different questionnaires consisting of a number of questions. The response from the senior faculty was very positive about the impact of TEQIP II, however the response from the faculty members , PG students and UG students were not so positive. All the responses were passed on to one of the TEQIP II coordinators Dr Ravi Kumar for information and perusal. The differences in opinions of various groups were brought to the attention of the Principal and his reaction was very encouraging.
3. The students feel that some times, there is inordinate delay in declaring the results of the examinations , though the college is autonomous. This point was raised while discussing with the faculty members explaining how IITs deal with this problem. Prof KM Babu assured to do the needful.
4. The PG students are concerned that they do not get jobs better than the UGs though they are better qualified. But they are happy about what do they learn at BMSCE. Prof KM Babu assured to do the needful.
5. The UG students feel that they get more of IT jobs though they would very much like to get jobs in core companies. Prof KM Babu assured to do the needful.
6. There was some apprehension that the non teaching staff are not that very student friendly , but the students are happy that their teachers are very cooperative. Prof KM Babu assured to do the needful.
7. The Principal presented the strategic plan of the college and it was suggested that BMSCE should foster linkages with its huge alumni base and harness the benefits thereof as IITs do. Prof Thukharam (member of BOG) also supported this point.
8. They are already working on some incubation projects and Prof Martin , their Director of research centre is helping the students for industry tie ups with MOUs . It was suggested that MOUs should not be one sided and should benefit the college as well in terms of funds , but not alone for getting data.
9. It was suggested that BMSCE should exploit its locational advantage by conducting CEPs

Key improvements noticed on shortcomings reported during earlier Performance Audits

Most of the initiatives of TEQIP II are seen with more zest and purpose.

Brief statements on continuing shortcomings, and reasons

Perhaps the space problem.

Recommendations for Mentor

Professor Sondi, please see the points mentioned above and use your good offices so that TEQIP II at BMSCE is a grand success. Perhaps both of us should visit BMSCE at the same time.

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) PHASE-II: BMS COLLEGE OF ENGINEERING, BANGALORE -5

INFORMATION VERIFICATION THROUGH DATA-AUDIT

Name of the Data Auditor: B M Rudresh

Dates of Data Audit:25,26,27/11/2014

Name of Institution and Location: B M S College of Engineering,Blore-19

Data Audit Form (01)

No.	Particulars	Figure In MIS	Year	Verified Figure	Institutional source data	Remarks regarding data audited	Com
1	<i>Information in respect to Bachelors programs in engineering/technology</i>	2013-14		2013-14	2013-14		
	(a) Number of UG programs conducted during latest academic year	12		12	12		
	(b) Total number of UG students during latest academic year	4101		4101	4101		
	(c) Total number of women students in UG programs during latest academic year	1165		1165	1165		
	(d) Total number of SC students in UG programs during latest academic year	265		265	265		
	(e) Total number of ST students in UG programs during latest academic year	65		65	65		
	(f) Total number of OBC students in UG programs during latest academic year	677		677	677		
	(g) Percentage of final year UG students during latest academic year placed through campus interviews	76.87%	2013-14	76.87%	76.87%	The facts and figures were accurate and the records maintained for the submission are very good.	
	(h) Percentage of final year UG students during latest that passed out with 75%or more aggregate marks	83%		83%	83%		
	(i) Percentage of all 1year students [as at 1(b)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	74.79%		74.79%	74.79%		
	(j) Percentage of 1year women students [as at 1(c)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic	96%		96%	96%		
	(k) Percentage of 1year SC students [as at 1(d)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	91%		91%	91%		
	(l) Percentage of 1year ST students [as at 1(e)] during latest that passed all courses fully and successfully got admitted to 2year in the current	98%		98%	98%		

B M Rudresh

academic year				
(m) Percentage of 1year OBC students [as at 1(f)] during latest that passed all courses fully and successfully got admitted to 2year in the current academic year	98%		98%	98%

Data Audit Form (02)

2.	Information in respect to Masters programs in engineering/technology	2013-14	Year	Verified figures	Institutional source data	Remarks regarding data audited	Con
	(a) Number of full-time masters programs during latest academic year	11	2013-14	11	11	The facts and figures were accurate and the records maintained for the submission are very good	
	(b) Number of part-time and sandwich (Joint) Masters programs during latest academic year	-		-	-		
	(c) Total number of students enrolled for all Masters programs during latest academic year	332		332	332		
	(d) Number of faculty in-house enrolled for Masters programs during latest academic year	-		-	-		
	(e) Number of students enrolled for all Masters programs during latest academic year with scholarship	99		99	99		
	(f) Number of students enrolled for all Masters programs during latest academic year with TEQIP assistantship	80		80	80		
	(g) Total number of women students in all Masters programs during latest academic year	119		119	119		
	(h) Total number of SC students in all Masters programs during latest academic year	39		39	39		
	(i) Total number of ST students in all Masters programs during latest academic year	9		9	9		
	(j) Total number of OBC students in all Masters programs during latest academic year	95		95	95		
	(k) Percentage of final year Masters students during latest academic year placed through campus interviews	43.75%		43.75%	43.75%		
	(l) Percentage of final year Masters students during latest that passed out with 75% or more aggregate marks	83%	83%	83%			

Data Audit Form (03)

3.	Information in respect to Doctoral programs	2013-14	Year	Verified figure	Institutional source data	Remarks regarding data audited	Com
	(a) Number of Doctoral candidates on roll up to March 31,	109	2013-14	109	109		
	(b) Number of in-house faculty enrolled for Doctoral programs during latest academic year	17		17	17		



(c) Number of students enrolled for Doctoral programs during latest academic year with scholarship	-	-	-	
(d) Number of students enrolled for Doctoral programs during latest academic year with TEQIP assistantship	8	8	8	

Data Audit Form (04)

4.	Information in respect to Faculty	2013-14	Year	Verified figure	Institutional source data	Remarks regarding data audited	Com
	(a) Total number of regular full-time faculty excluding adjunct and emeritus faculty during latest academic year(Excluding AT)	287	2013-14	287	287	The facts and figures were accurate and the records maintained for the submission are very good	
	(b) Total number of regular full-time faculty in engineering disciplines excluding adjunct and emeritus faculty during latest academic year	251		251	251		
	(c) Number of regular full-time faculty in engineering disciplines with Master's degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	169		169	169		
	(d) Number of regular full-time faculty in engineering disciplines with Doctoral degree as their highest qualification excluding adjunct and emeritus faculty during latest academic year	77		77	77		
	(e) Number of regular full-time faculty in engineering disciplines with Bachelor's degree as their highest qualification faculty during latest academic year	05		05	05		
	(f) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs in parent institution during academic year latest:	-		-	-		
	(i) Engineering teachers:	-		-	-		
	(ii) Applied Science teachers:	-		-	-		
	(iii) Other teachers:	-		-	-		
	(g) Number of faculty with Bachelor's degree which are enrolled in-house for Masters programs at other institutions during academic year latest:	02		02	02		
	(i) Engineering teachers:	-	-	-			
	(ii) Applied Science teachers:	-	-	-			
	(iii) Other teachers:	-	-	-			
	(h) Number of faculty with Master's degree which are enrolled in-house for PhD programs in parent institution during academic year latest:	17	17	17			
	(i) Engineering teachers:	-	-	-			
	(ii) Applied Science teachers:	-	-	-			
	(iii) Other teachers:	-	-	-			

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(i) Number of faculty with Masters degree which are enrolled in-house for PhD programs at other institutions during academic year latest:	02		02	02	The facts and figures were accurate and the records maintained for the submission are very good
(i) Engineering teachers:	-		-	-	
(ii) Applied Science teachers:	-		-	-	
(iii) Other teachers:	-		-	-	
(j) Number of faculty that have attended a professional training program of 5 or more days duration during latest academic year	92		92	92	
(k) Number of all faculty (irrespective of specialization) that have attended the Basic Module of pedagogy training during latest academic year	-		-	-	
(l) Number of all faculty (irrespective of specialization) that have attended both the Basic and Advanced Modules of pedagogy training during latest academic year	-		-	-	
(m) Number of faculty appraised by students during latest academic year	260		260	260	

Data Audit Form (05)

5.	<i>Information in respect to Accreditation of Program</i>	2013-14	Year	Verified figures	Institutional source data	Remarks regarding data audited	Com
	(a) Number of UG programs accredited	2	2013-14	2	2	The facts and figures were accurate and the records maintained for the submission are very good	
	(b) Number of UG programs for which accreditation applied for	-		-	-		
	(c) Number of PG programs accredited	4		4	4		
	(d) Number of PG programs for which accreditation applied for	-		-	-		

Data Audit Form (06)

6.	<i>Information in respect to research and patents</i>	2013-14	Year	Verified figures	Institutional source data	Remarks regarding data audited	Com
	(a) Number of research publications in Indian refereed journals during the latest academic year	07	2013-14	07	07	The facts and figures were	

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(b) Number of research publications in International refereed journals during the latest academic year	93		93	93	accurate and the records maintained for the submission are very good
(c) Number of research publications (Journal) co-authored with faculty/researchers/ industry experts from outside the institution	16		16	16	
(d) Number of patents in engineering related areas obtained during the latest academic year	4		4	4	
(e) Number of patents in engineering related areas filed during the latest academic year	4		4	4	The facts and figures were accurate and the records maintained for the submission are very good
(f) Number of sponsored research project completed during the latest academic year	-		-	-	
(g) Number of MOUs signed for collaborative programs with Indian industry and R&D organizations	1		1	1	
(h) Number of MOUs signed for collaborative programs with International academic institutions and R&D organizations	-		-	-	

Data Audit Form (07)

7.	<i>Information in respect to Finances</i>	2013-14	Year	Verified figures	Institutional source data	Remarks regarding data audited	Co
	(a) Amount received as Block Grant during the latest academic year (Rs. In Lakhs)	-	2013-14	-	-	The facts and figures were accurate and the records maintained for the submission are very good	
	(b) IRG from students' tuition fee and other charges during the latest academic year (Rs. In Lakhs)	41,67,04,849		41,67,04,849	41,67,04,849		
	(c) IRG from externally funded R&D projects and consultancies during the latest academic year (Rs. In Lakhs)	11,42,52,542		11,42,52,542	11,42,52,542		
	(d) Total IRG during the latest academic year (Rs. in Lakhs)	1,90,29,333		1,90,29,333	1,90,29,333		
	(e) Total annual recurring expenditure during the latest academic year (Rs. In Lakhs)	49,30,11,600		49,30,11,600	49,30,11,600		
	(f) Amount available in Corpus Fund on March 31.	35,57,613		35,57,613	35,57,613		
	(g) Amount available in Faculty Development Fund on March 31,	40,44,697		40,44,697	40,44,697		
	(h) Amount available in Equipment Replacement Fund on March 31,	34,50,029		34,50,029	34,50,029		

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(i) Amount available in Maintenance Fund on March 31,	34,50,010		34,50,010	34,50,010		
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Data Audit Form (08)

8	<i>With respect to Institutional Governance/ Management</i>	2013-14	Year	Verified figures	Institutional source data	Remarks regarding data audited	Co
	(a) Number of BoG meeting held during the latest academic year (with minutes on the web)	4	2013-14	4	4	The facts and figures were accurate and the records maintained for the submission are very good	
	(b) Number of institutional functionaries (Deans, HoDs, senior faculty and senior officials) that have undergone Management Capacity Enhancement training	51		51	51		

Comments of data auditor:

The data submitted to the SPFU are verified and audited through the concerned records and also audited taking the actual facts and figures into the consideration. The data submitted were matching with the actual records submitted to SPFU. It was observed that the records submitted and maintained were excellent and the MIS process was very good. In this connection, I am satisfied with the process of MIS and also the submission procedure of BMSCE for data auditing.

Date: 25, 26, 27/11/2014

Signature of the data Auditor


(B.M. Rudresh)

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME
(TEQIP) PHASE-II - KARNATAKA

Annexure - 5

(WORLD BANK FUNDED PROJECT)

BMS COLLEGE OF ENGINEERING BENGALORE

INTERNAL AUDIT REPORT FOR THE PERIOD FROM 01.04.2013 TO 30.09.2014

PART - A: BRIEF DETAILS OF THE AUDITEE AND AUDIT

- | | |
|---|---|
| a. Name and address of the Auditee | : BMS College of Engineering
Bangalore |
| b. Name of Office Bearers | : Dr.K.Mallikharjuna Babu |
| c. Name of Auditors | : Agarwal A Kumar & Associates |
| d. Days of Audit | : 2 |
| e. Period covered in the previous audit | : NA |
| f. Period covered in the current audit | : April 01, 2013 to September 30, 2014 |

PART - B: EXECUTIVE SUMMARY

(a) OBJECTIVE OF AUDIT

We have conducted the Internal Audit of BMS College of Engineering Bangalore for the period from April 01, 2013 to September 30, 2014. We have carried out the audit in accordance with the standards on auditing promulgated by the Institute of Chartered Accountants of India and in accordance with the TOR as issued by the funding Agency International Development Association. It is the responsibility of the management to maintain the PFS / FMIS as prescribe by the funding agency in cash system of accounting, fair and proper documentation, generation books and records, and the

various Interim financial reports and annual statements, and to implement a proper internal control system commensurate with the size of the organization. Our responsibility is to verify the books and accounts commensurate with the standard procedures and guidelines followed by the Project for the different level and to see that there is proper documentation and internal control in existence during the period of audit and to report the deficiencies, if any, existing in the operation of the Project.

(b) METHODOLOGY OF AUDIT

The Audit was conducted on the basis of the finalized Audit Program. After distribution of the audit work and responsibilities, the concerned staff performed their job and directly reported to Team Manager on daily basis. Internal Audit program was mainly focused on following areas:

- 1 An assessment of whether the Project Financial Statements have been prepared in accordance with consistently applied Accounting Standards of the Institute of Chartered Accountants of India and gives a true and fair view of the operations of the Project during the year and the financial position of the Project at the close of the fiscal year.
- 2 An assessment of the adequacy of the Project financial management systems including internal controls. The financial management system should include methods and records established to identify, assemble, analyze, classify, record and report on transactions and to maintain accountability for the related assets and liabilities.
- 3 That all project funds have been used in accordance with the conditions of the relevant financing agreement, with due attention to transparency, economy and efficiency and only for the purposes for which the financing was provided.
- 4 All necessary supporting documents, records and books/ statements of accounts have been maintained and all necessary supporting documents such as records, vouchers, bids etc. and books of accounts have been kept in respect of all project expenditures.
- 5 Identify the expenditure which are covered in accordance with the allocation described in Project Implementation Plan –Section – 7 under para “Permissible and Non Permissible expenditures” as eligible and segregate these from non-eligible items.

- 6 Clear linkages exist between the books of accounts maintained for the expenditures and reports presented for the expenditure incurred.
- 7 That test check and verification of the activities were conducted for the project as planned and that they were in line with the agreed loan agreement.
- 8 Verify the eligibility of expenditures for SoE disbursement and separately report upon ineligible expenditure claimed if any.

(c) STATUS OF IMPLEMENTATION OF THE FINANCIAL MANAGEMENT SYSTEM

During audit we noted that Financial Management System has been implemented for the period April 1 2013 to September 30 2014.

(d) STATUS OF COMPLIANCE OF PREVIOUS AUDIT REPORT

Internal Audit for the FY 2012-13 was not conducted. So no compliance of previous year audit report is required.

(e) Key areas of weakness

During audit we noted the following key areas of weakness regarding procedural lapse:

1. TDS NOT DEDUCTED

During the audit we observed that the TDS was not deducted on the some of the payments.

Details are given as follows :

Date of payment	Amount(Rs)	Observations
29.04.2013	6433.00	Amount paid to M/s Areis Travels for hiring of Tour & Travels Services. TDS should be deducted@2%
29.04.2013	3660.00	
30.04.2013	2939.00	
28.06.2013	3179.00	
31.07.2013	8431.00	
18.11.2013	5945.00	
Total Amount	30587.00	

PART - C

COMPLIANCE OF PREVIOUS AUDIT REPORT

Internal Audit for the FY 2012-13 was not conducted. So no compliance of previous year audit report is required.

PART - D

SERIOUS OBSERVATIONS

During audit we found serious observations such as major lapse in internal control on advances. Details are given below:

1. Lapses in internal Control on Advances

During the course of audit we have observed that the following advances were given to staff without adjustment of previous advance and we further noted that these were not settled by the end of September 2014. The detail is as follows:

Opening Balance	Date of Advance	Amount of Advance	Closing Balance	Observations
	2013-14	10000.00	10000.00	Advance given to ISAMPE. But bills were not settled till September 2014
-	2014-15	22000.00	22000.00	Advance given to HOD CSE. But bills were not settled till September 2014
-	2013-14	3000.00	3000.00	Advance given to Abhishek Kr Singh. But bills were not settled till September 2014
	2013-14	30000.00	30000.00	Advance given to HOD EC. But bills were not settled till September 2014
	2014-15	20000.00	20000.00	
	2013-14	2000.00	2000.00	Advance given to Sri R. Balaji. But bills were not settled till September 2014

	2014-15	14000.00	14000.00	Advance given to Nirupama Mohan. But bills were not settled till September 2014
	2014-15	11236.00	11236.00	Advance given to Reddy Naik. But bills were not settled till September 2014
	2014-15	12958.00 12304.00 200000.00	12958.00 12304.00 200000.00	Advance given to Dr. P. Meena. But bills were not settled till September 2014
	2014-15	3000.00	3000.00	Advance given to R & D Director. But bills were not settled till September 2014
	2014-15	8000.00 70000.00	8000.00 70000.00	Advance given to HOD Civil Engg. But bills were not settled till September 2014
	2014-15	24000.00	24000.00	Advance given to S.G Murali. But bills were not settled till September 2014
	2014-15	20000.00 10000.00 8000.00 10000.00 40000.00	20000.00 10000.00 8000.00 10000.00 40000.00	Advance given to Vice Principal. But bills were not settled till September 2014
	2014-15	40000.00	40000.00	Advance given to Dr. Y.S Ram Mohan. But bills were not settled till September 2014
	2014-15	40000.00	40000.00	Advance given to Sri Harish V. Mekali. But bills were not settled till September 2014
	2014-15	40000.00 40000.00 33986.00 10000.00	40000.00 40000.00 33986.00 10000.00	Advance given to HOD EEE. But Bills were not settled till September 2014
	2014-15	5500.00	5500.00	Advance given to HOD ISE. But bills were not settled till September 2014
	2014-15	20000.00	20000.00	Advance given to HOD ME. But bills were not settled till September 2014

	2014-15	15500.00	15500.00	Advance given to S.Girish. But bills were not settled till September 2014
	2014-15	5000.00	5000.00	Advance given to S.Ravishankar. But bills were not settled till September 2014
	2014-15	4000.00	4000.00	Advance given to Venkatesh Warlu. But bills were not settled till September 2014
	2014-15	5000.00	5000.00	Advance given to A.Pallavi. But bills were not settled till September 2014
	2014-15	3000.00	3000.00	Advance given to Archana. But bills were not settled till September 2014
	2014-15	3000.00	3000.00	Advance given to S.V Rajeev. But bills were not settled till September 2014
	2014-15	3000.00	3000.00	Advance given to Sudha. But bills were not settled till September 2014
	2014-15	15000.00 17000.00	15000.00 17000.00	Advance given to IUTAM Symposium. But bills were not settled till September 2014
	2014-15	100000.00	100000.00	Advance given to HOD Biotech. But bills were not settled till September 2014
	2014-15	490000.00	490000.00	Advance given to Allahabad Bank. But bills were not settled till September 2014
	2014-15	9000.00	9000.00	Advance given to R.Suresh Kuar. But bills were not settled till September 2014
	2014-15	95621.00	95621.00	Advance given to University of Massach setts Lowel. But bills were not settled till September 2014
	2014-15	8000.00	8000.00	Advance given to HOD Telecommunication. But bills were not settled till September 2014
	2014-15	2500.00	2500.00	Advance given to H.Ramakarishna. But bills were not settled till September 2014
	2014-15	2000.00	2000.00	Advance given to Dr. S.N Joshi. But bills were not settled till September 2014

	2014-15	6000.00	6000.00	Advance given to Ram Rohit. But bills were not settled till September 2014
	2014-15	10112.00	10112.00	Advance given to Martin Jebaraj. But bills were not settled till September 2014
	2014-15	60000.00	60000.00	Advance given to HOD Chemical Engg. But bills were not settled till September 2014
	2014-15	9200.00	9200.00	Advance given to HOD Physics.. But bills were not settled till September 2014
	2014-15	16950.00	16950.00	Advance given to Dr. Shambhavi B.R.. But bills were not settled till September 2014
	2014-15	2810.00 25281.00	2810.00 25281.00	Advance given to Allahabad Bank Bangalore.. But bills were not settled till September 2014
	2014-15	100000.00	100000.00	Advance given to HOD Mathemaba. But bills were not settled till September 2014
	2014-15	25000.00	25000.00	Advance given to Murugendrappa M.V. But bills were not settled till September 2014
	2014-15	25000.00	25000.00	Advance given to Pranesha. But bills were not settled till September 2014
	2014-15	25000.00	25000.00	Advance given to Suresha BL. But bills were not settled till September 2014
	2014-15	200000.00	200000.00	Advance given to BMSCE CFD. But bills were not settled till September 2014
	2014-15	8000.00	8000.00	Advance given to M.Ramachandra. But bills were not settled till September 2014
	2014-15	8000.00	8000.00	Advance given to S.Srinivasa. But bills were not settled till September 2014
	2014-15	8000.00	8000.00	Advance given to Madhava Murthi. But bills were not settled till September 2014

	2014-15	14000.00	14000.00	Advance given to Director KGTTI. But bills were not settled till September 2014
	2014-15	44944.00	44944.00	Advance given to Baja Sar India. But bills were not settled till September 2014
	2014-15	4000.00	4000.00	Advance given to Dr. L.Ravi Kumar. But bills were not settled till September 2014
	2014-15	2500.00	2500.00	Advance given to N.Jayanth. But bills were not settled till September 2014
	2014-15	12000.00	12000.00	Advance given to HOD Electrical. But bills were not settled till September 2014
	2014-15	4500.00	4500.00	Advance given to FOR STUBETNS. But bills were not settled till September 2014
	2014-15	45506.00	45506.00	Advance given to Suresh Mulidhari. But bills were not settled till September 2014
	2014-15	50000.00	50000.00	Advance given to The Placement Officer. But bills were not settled till September 2014
	2014-15	23763.00	23763.00	Advance given to Dr. Indiramma M. But bills were not settled till September 2014
	2014-15	4000.00	4000.00	Advance given to Sirtha Srinivas & Srinivasan.A. But bills were not settled till September 2014
	2014-15	48000.00	48000.00	Advance given to V.Ram Rohit. But bills were not settled till September 2014
	2014-15	3500.00	3500.00	Advance given to HOD Instrumentation Tech. But bills were not settled till September 2014
	2014-15	7000.00	7000.00	Advance given to HOD CSE. But bills were not settled till September 2014
	2014-15	37460.00	37460.00	Advance given to P.Bhaktavasali. But bills were not settled till September 2014

PART – E

OTHER OBSERVATIONS

1. CHECKING OF PROCUREMENT SYSTEM

On checking of procurement procedure we noted that goods and services financed have been procured in accordance with relevant financing agreements and as per the World Bank guideline for procurement of goods, works and services. Further we checked procurement files and noted that major procurements were made during audit period:

DATE	AMOUNT	Observations
23.07.2013	724722.00	Amount paid to M/s Nihon Communication Solutions Pvt. Ltd. for purchase of software Exata network. Procurement was under guideline.
31.07.2013	7837969.00	Amount paid to M/s CoreEL Technologies India Pvt. Ltd. for purchase of MATLAB Software. Procurement was under guideline.
24.08.2013	998880.00	Amount paid to M/s Honeywell Automation India Ltd. for purchase of Software University Package for Process Engineering. Procurement was under guideline.
03.09.2014	123750.00	Amount paid to M/s Hydraulic & Engineering Instruments for purchase of Auto Compactor with Accessories. Procurement was under guideline.
06.09.2014	523596.00	Amount paid to M/s Fluxgen Engineering Technologies Pvt. Ltd. for purchase of Solar Powered Irrigation Systems. Procurement was under guideline.

2. BANK RECONCILIATION STATEMENT

On checking of bank records we noted that college has opened five bank accounts and these are reconciled with books of account. Details of Bank Reconciliation Statement as on September 30, 2014 are given below:

2.1. Allahabad Bank - Main A/c- 50092591605

Particulars	Amount(Rs.)
Balance as per bank statement	5196242.00
Add: Cheque deposit but not cleared	00.00
Less: Cheque issued but not present	655953.00
Balance as per cash book	4540289.00

2.2. Allahabad Bank - Maintenance Fund-50092573175

Particulars	Amount(Rs.)
Balance as per bank statement	1110.00
Add: Cheque deposit but not cleared	0.00
Less: Cheque issued but not present	0.00
Balance as per cash book	1110.00

2.3. Allahabad Bank – Faculty Development Fund- 50092591117

Particulars	Amount(Rs.)
Balance as per bank statement	748648.00
Add: Cheque deposit but not cleared	0.00
Less: Cheque issued but not present	0.00
Balance as per cash book	748648.00

2.4 Allahabad Bank - Equipment Replacement Fund- 50092587338

Particulars	Amount(Rs.)
Balance as per bank statement	1110.00
Add: Cheque deposit but not cleared	0.00
Less: Cheque issued but not present	0.00
Balance as per cash book	1110.00

2.5 Allahabad Bank - Corpus Fund- 50092589368

Particulars	Amount(Rs.)
Balance as per bank statement	110862.00
Add: Cheque deposit but not cleared	0.00
Less: Cheque issued but not present	0.00
Balance as per cash book	110862.00

3. CASH BOOK MAINTAINED ON DAILY BASIS

Cash book is written and closed on daily basis. As per "Financial Management Manual" under chapter – 6 "Financial Accounting" sub para (i) Cash book will be closed monthly and attested by in - charge (Finance). According to "Financial Management Manual" under chapter – 6 "Financial Accounting" "There will be surprise verification of cash at least once in a month by an Appropriate authority and result of such verification will be recorded in cash book under his date and signature."

4. PHYSICAL VERICATION OF FIXED ASSETS NOT CONDUCTED

We checked the Fixed Assets Register and found that annual physical verification of assets was not conducted by SPFU. As per "Financial Management Manual" under chapter – 6

“Financial Accounting” sub para (vi) “There will be an **annual physical verification** on fixed assets. The result of such verification will be recorded in Fixed Assets Register under date and signature of verifying officer. Any significant difference will be dealt with in the books of account properly.”

5. CHECKING OF FINANCIAL MANAGEMENT REPORT

On checking of Financial Management Report we noted that total expenditure incurred for whole of the project is Rs 700.28 Lacs upto September 30, 2014. Details are given below:

Head of Expenditure	Cumulative expenditure upto August-2014	Exps. During the month September 2014	Total Cumulative exps upto September 2014
Procurement	303.89	12.41	316.30
Assistantship	139.79	13.84	153.63
Enhancement of R & D	11.58	1.41	12.99
Faculty and staff Development for improved competence	88.72	8.40	97.12
Enhanced interaction with industry	32.08	5.58	37.66
Capacity Development	18.71	0.00	18.71
Implementation of institutional academic reforms	4.15	0.34	4.49
Academic support for weak students	3.62	0.00	3.62
Incremental Operating Cost	42.81	12.95	55.76
Total	645.35	54.93	700.28

PART – F

EXECUTIVE SUMMARY AND SUGGESTIONS / RECOMMENDATIONS

1. TDS NOT DEDUCTED

During the audit we have observed that the TDS was not deducted on some of the payments.

Details are given as follows :

Date of payment	Amount(Rs)	Observations
29.04.2013	6433.00	Amount paid to M/s Areis Travels for hiring of Tour & Travels Services. TDS should be deducted@2%
29.04.2013	3660.00	
30.04.2013	2939.00	
28.06.2013	3179.00	
31.07.2013	8431.00	
18.11.2013	5945.00	
Total Amount	30587.00	

2 CHECKING OF PROCUREMENT SYSTEM

On checking of procurement procedure we noted that goods and services financed have been procured in accordance with relevant financing agreements and as per the World Bank guideline for procurement of goods, works and services. Further we checked procurement files and noted that major procurements were made during audit period. Details are as follows :

DATE	AMOUNT	Observations
23.07.2013	724722.00	Amount paid to M/s Nihon Communication Solutions Pvt. Ltd. for purchase of software Exata network. Procurement was under guideline.

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06.09.2014	523596.00	Amount paid to M/s Fluxgen Engineering Technologies Pvt. Ltd. for purchase of Solar Powered Irrigation Systems. Procurement was under guideline.

3. PHYSICAL VERIFICATION OF FIXED ASSETS NOT CONDUCTED

We checked the Fixed Assets Register and found that annual physical verification of assets not conducted by SPFU. As per "Financial Management Manual" under chapter – 6 "Financial Accounting" sub para (vi) "There will be an **annual physical verification** on fixed assets. The result of such verification will be recorded in Fixed Assets Register under date and signature of verifying officer. Any significant difference will be dealt with in the books of account properly."

Annex-3 : 4th JRM: Performance Assessment Indicators of Institutions

S. No.	Name of the State/UT	Category of the Institution	1	2	3	4	5	6	7	8	9	10	11	12	Indicators	
			Autonomy (Yes/No) Yes obtained or applied for	MoM or BoG (last 4 Months) publication of institution's website (Yes/No)	Governance Self Review Submitted (Yes/No)	Governance development plan Submitted (Yes/No)	NBA Accreditation (Yes/No) applied for (1-50% - Yes)	Statutory Audit (2013-14) (Yes/No)	2nd Performance Audit (Yes/No) Data Auditing (Yes/No)	MIS Data Entry Status (Yes/No) Adequate, No (Inadequate)	Participation in CB-ACITE Survey (Yes/No)	Participation Faculty, Staff & Students Contribution Survey (50% - Yes)	Procurement Plan to cover 100% procurement expenditure (Yes/No)	% of Expenditure Committed against total funds received (2-50% = Yes)	% of Expenditure Committed against Total Funds received (100% = Yes)	
63	Karnataka	Govt.	Yes	NO	Yes	NO	NO	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	8
64	Karnataka	Govt. aided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	12
65	Karnataka	Govt. aided	Yes	Yes	Yes	NO	NO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11
66	Karnataka	Govt. aided	Yes	Yes	Yes	NO	NO	Yes	NO	Yes	Yes	Yes	Yes	Yes	Yes	10
67	Karnataka	Govt. aided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	12
68	Karnataka	Govt. aided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	11
69	Karnataka	Govt. aided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	12
70	Karnataka	Govt. aided	Yes	Yes	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11
71	Karnataka	Govt. aided	Yes	Yes	Yes	NO	NO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11
72	Karnataka	Private unaided	Yes	Yes	Yes	Yes	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	Yes	11
73	Karnataka	Govt. aided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NO	Yes	Yes	Yes	Yes	11
74	Karnataka	Private unaided	Yes	NO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11
75	Karnataka	Private unaided	Yes	NO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11
76	Karnataka	Govt.	Yes	NO	Yes	NO	NO	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	8
77	Karnataka	Private unaided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NO	Yes	Yes	Yes	Yes	Yes	11
78	Karnataka	Private unaided	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	12

Institutional Performance Assessment - reg.

N.P.I.U <npiuqt@yahoo.co.in>

Feb 4

to bmrucce, bg.bgsangam, prasad_s_k, principal, mvsmagge, kguru.hsn, drkmbabu, drkmbabu, me, ravibmsce, ravi.mech, principal, principalnie, hdphanee, nie.teqip.myso., beprincipal, becteqipco, principalpda, principal, mgadge_100, drkls, swamy_vtu, principal, nvrnaidu, hod_im

Date: 4th Feb, 2015

To
Director/Principal

Sub: Institutional Performance Assessment - reg...

Dear Sir

The 4th Review Mission was held on 8th – 19th December 2014 for assessing the institutions' performance. The institutions were required to meet a set of 12 performance indicators by 31st October 2014 to benchmark themselves. However, only 101 institutions were able to comply with the requirement.

2. The Aide Memoire of the 4th JRM with Performance Assessment Indicators (as Annex-III) is available at the NPIU website (www.npiu.nic.in).
3. As per the decisions of the 4th Review Mission, all institutions are required to essentially meet all 11 indicators as early as possible latest by **31st March 2015** (*participation in the AICTE-CII survey is excluded*).
4. Please note that further release of funds will only be made after all 11 indicators are achieved.
5. A further set of following additional indicators is required to be met latest **by 30th April 2015**:
 - (i) **Autonomy (obtained or applied to UGC with no objection from university and state government)**
 - (ii) **Minutes of meeting of Board of Governors taking place in last 4 months published on the institution's website**
 - (iii) **NBA accreditation (55% accredited or applied for)**
 - (iv) **Statutory audit completed(2013-14)**
 - (v) A **Submission of revised IDP for 2016 with updated target indicators**
 - (v) B **Completion of governance development plan and timeline for completion of institutional governance guidelines, approved by governing body and published on institutional website**
 - (vi) **Commitment of 100% of funds received**
 - (vii) **Expenditure of at least 50% of total funds received**
 - (viii) **Procurement plan to cover 100% of planned procurement expenditures**
 - (ix) **Completion of all data input into the MIS for 2013-14**

Note: Implementation of the above will be closely monitored by NPIU.

6. It may kindly be noted that the 5th JRM is tentatively scheduled in June 2015. SPFU is requested to undertake follow-up actions for the institutions so that all the above indicators are achieved.

Yours faithfully,

(Dr. Rita Goyal)
Sr Consultant (Academic)

Copy to:

- (i) TEQIP Coordinator- 190 Institutions
- (ii) TEQIP Coordinator – 23 SPFU's
- (iii) Director (TC), MHRD, Gol, New Delhi
- (iv) Mr Toby Linden, TTL, the World Bank

**(Dr. Rita
Goyal)
Sr. Consultant
(Academic)**

National Project Implementation Unit (NPIU)
EDCIL House, 4th Floor, Plot No. 18-A , Sector 16-A
NOIDA-201 301, Uttar Pradesh
Phone: 0120-2513928,
EPABX No. 0120-2513921, 2513946
Fax Nos. 0120-2513926, 2512485
Email : npiuwb@hotmail.com
Web : www.npiu.nic.in

Workshop of TEQIP Co-ordinators and Financial Advisors of SPFU's held at NPIU, Noida on 12th Feb 2015

spfu karnataka <spfukarnataka@gmail.com>

Feb 19

to Bangalore, B.M.Rajaprakash, P, Mallikharjuna, drkmbabu, me, BMS, hod.ise, hod.cs e, Ravikumar, hs_gurup, MCE, principal, MCE, NIE, NIE, NIE, National, Vijay, SJCE, Prasad, dr_ank, SIT, SIT, dineshsv2004

To,

All the Principals of TEQIP Engineering colleges

Sir,

Sub: Workshop of TEQIP Co-ordinators and Financial Advisors of SPFU's held at NPIU, Noida on 12th Feb 2015

You are aware that NPIU has organised a workshop for TEQIP-II Co-ordinators and Financial Advisors of SPFU on 12th Feb 2015. The main intention is to discuss the ways and means for achieving the total project life allocation.

The meeting was attended by Sri.Manohar.G.Nayak and Sri.A.Krishnamurthy. The presentation of SPFU has been appreciated by NPIU/MHRD and by other participating States. However the NPIU has made certain observation which is to be attended forthwith. Following are the observations.

1. Efforts to be made to comply with all the 11 parameters by the end of March 2015.
2. Performance Auditing is to be completed by 31st March 2015.
3. Student's satisfactory survey to be completed by 31st March 2015.
4. All the data entries on MIS to be completed by 31st March 2015.
5. All the TEQIP-II Institutions should prepare Institutional Development Plan for the remaining amount (Balance amount out of Total Allocation).
6. TEQIP-II Institutions should prepare "Governance Report" and submit to NPIU and copy to SPFU.
7. Self-Assessment and Review report.
8. A detailed report on quality assurance.
9. The entire Procurement activity are to be completed and expenditure incurred by 31st March 2015 or a detailed committed plan is to be submitted.
10. Action to be initiated to get Accreditation and autonomy.

All the Institutions are requested to prepare a separate Institutional Development plan with an estimated cost of Rs. 6 to 8 crores which has to be submitted to NPIU for seeking Additional grants.

The Principals are requested to comply with the above so that SPFU may make all the efforts to obtain additional grants from MHRD

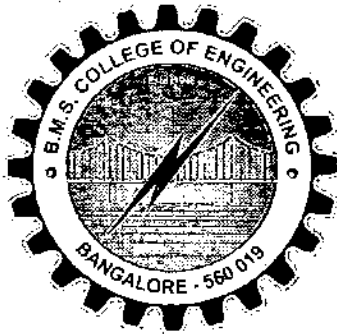
The matter is urgent

Manohar G Nayak

Officer on Special Duty,

State Project Coordinator,

SPFU Karnataka, Technical Education Quality Improvement Programme (TEQIP),



KNOWLEDGE · SKILL · ATTITUDE · VALUES

Established in 1946 | Affiliated to VTU | TEQIP-I | Autonomous | TEQIP-II | Tier-I Institution
 NAAC Accredited | 13 UG programs | 16 PG Programs | NBA Accredited | 15 Research Centres
 AICTE QIP Centre | Data Centre (ICT) | COEs in thrust areas | Pedagogy | Outcome Based
 Education | Good Governance Industry Partnerships | Propel Labs | Innovation | Incubation |
 Entrepreneurship | Blended Learning | QEEE | E-Yantra | Association with IISc, IITs, IIMs |
 IUCEE | India Platform | Student Opportunities | Extension Lectures | Industrial Visits |
 International Collaborations

PERFORMANCE ASSESSMENT INDICATORS



TEQIP II - BMSCE, BENGALURU

- Autonomous Institution affiliated to VTU (approved by VTU, GOK & UGC)
- NBA accreditation (15 out of 21 programs accredited); remaining are in the process;
- NAAC accredited with 3.41 on 4 point scale
- Funds Disbursement - Received INR 9.00 Cr; Spent INR 9.69 Cr
- BOG in place; conducts a minimum of three meetings in a year; minutes are uploaded on the institution's website
- Performance audits conducted (first during Jun 18-20,2013; second during Nov 25-27, 2014)
- Mentoring conducted (first during Nov 2-3, 2012; second during Nov 28-29, 2013)
- Statutory audit completed for the year ending on 31.03.2014 during June 2014
- Completion of all data input into the MIS for 2013-14 during Oct. 2014
- Completion of governance development plan Dec. 2014
- Preparation of revised IDP for additional funds in process will be submitted Mar.2015
- Expected submission of Institutional governance guidelines (approved by BOG and published on institutional website) during July 2015

Annex 3 - 4th JRM: Performance Assessment Indicators of Institutions

Sl. No.	Name of the Institution	Category	Autonomous	Accredited	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved
17	BMSCE	Engineering	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

MAJOR PROGRESS AND ACHIEVEMENTS



TEQIP-II, BMSCE

- 100% utilization of funds released so far
- First institution in the state to receive NBA accreditation under TIER I format (11 UG Programs)
- 96% of programmes are permanently affiliated to the VTU
- Institution is accredited by NAAC with 'A' grade (CGPA of 3.41 on 4)
- Started five PG Programs during TEQIP II period
- Sanctioned annual intake of PG students (M.Tech.) enhanced by 114
- Awarded 214 teaching assistantships to PG students
- Awarded 15 full time research assistantship to Research Scholars
- Enhanced Industry-Institute Interaction (15 MOUs signed)
- 100% compliance in meeting the targets of IDP

GOVERNANCE



TEQIP-II, BMSCE, BLR

- Approved Board of Governors (BOG)
- Senior IISc professors are part of BOG as special invitees
- Faculty representative are invitees to the BOG
- A minimum of three BOG meetings conducted in a year
- Strategic Plan (2013 - 2020) is in place
- Transparent Governance: Statutory and other committees
- Well defined Policies/Procedures
- Active participation of BOG Members (avg. of 80-100 hours in a year)
- BOG interacts with students, staff and alumni
- BOG members participate in Recruitment, Audits, Mentoring processes
- A sub-committee to monitor implementation of TEQIP-II activities
- Recruitments through BOA (Board of Appointments) - subcommittee of BOG
- Institutional Governance Development Plan submitted – SPFU/NPIU
- Institutional Governance Plan (RED BOOK) is under preparation; will be ready by July 2015

COE IN ADVANCED MATERIALS RESEARCH



TEQIP-II COE, BMSCE BENGALURU

Targets:

- Nano-composite (Metal and Polymer based) and its post processing
- Material for Phase Change Memory (PMC) applications
- Conducting polymers and Ceramics as sensors - Humidity & Gas sensors
- Establishment of state of the art Advanced materials research lab
- Starting of a New PG program in Manufacturing Science & Engineering

Achievements: Established Advanced materials Research Lab

- Abrasive Water Jet Cutting Facility established
- Phase Change Memory Materials Lab established
- Polymer Composites Lab established
- Started M.Tech. programme in Manufacturing Science & Engineering

Financials:

- Total fund allotted - INR 500 lakhs; Total fund received till date – INR 333 lakhs
- Total expenditure made as on Feb.2015 – INR 123.24 lakhs
- Total Expenditure including committed as on Feb.2015 – INR 257.81lakhs(77%)

BEST PRACTICES



BMSCE, BENGALURU 1946

- Choice Based Credit System; Innovative Curriculum/TLP
- Transparent Governance, well defined policies/procedures
- Propel Labs to promote Research Interest among the Students
- Blended Learning (Extension Lectures/Industrial Visits)
- Faculty: 37% PhDs; High retention rate; Gender Ratio 50:50
- Student Support: Proctor system; Online feedback system; Peer learning
- Industry Collaborations /Joint product development/Joint Labs/Incubation Centres
- Institutional IPR Policy, full financial support for Patenting (holding 8 patents; applied 28)
- Incentives for Paper Publication in Journals, Professional Body membership, Book grant
- Insurance Coverage of all the Students/Staff
- Single Window system for encouraging Consultancy (CII TDB T NET Centre)
- Exclusive Research Centre: support/guidance to faculty/students
- Strong Science Departments - encouragement for R&D - Prof. C N R Rao Chair
- Research Centre in Internet of Things (with Altmetrik) - Computer Science
- Skill Development Centre in Electronics Engineering (ESSCI & IESA)