



BMS COLLEGE OF ENGINEERING, BENGALURU-19
BOARD OF GOVERNORS (BOG)

Minutes of 62nd Meeting

March 31, 2016

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MEMBERS PRESENT:

1. Dr.P.Dayananda Pai	Chairman
2. Dr.B.S.Ragini Narayan	Member
3. Sri.K.Jairaj, IAS (Retd)	Member
4. Dr.G.N. Sekhar	Member
5. Sri.M.Krishnaswamy	Member
6. Dr.Lawrence Jenkins	Special Invitee
7. Dr.K.Mallikharjuna Babu	Member-Secretary

LEAVE OF ABSENCE:

1. Dr.D.Thukaram	Member
2. Sri.H.U.Talawar	Member
3. Prof.Nirmal Singh Sehra	Member
4. Dr.Ravishankar Deekshit	Member
5. Dr.A.Sridharan	Special Invitee

INVITEES:

1. Col.(Retd.) Arun Bhandarkar
2. Dr.Jagadeesh H.S.
3. Dr.Martin Jebaraj P
4. Dr.Mohan Babu G.N.
5. Dr.Nagendra S.
6. Sri.Panchakshari
7. Dr.Ravikumar L.
8. Dr.Ravishankar B.V.
9. Dr.Rudra Naik
10. Col.(Retd.) Swamy K.V.N.

The Chairman, BOG, extended a cordial welcome to all the Members & Invitees to the meeting.

The Chairman informed that interaction with the student representatives has been deferred due to more number of agenda items to be discussed. The Chairman also informed that student representatives will however be invited to share their views in the next meeting of the BOG. Thereafter, the agenda items were taken up for discussion.



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Section 1: ITEMS FOR CONFIRMATION

**1.1 CONFIRMATION OF THE MINUTES OF THE 61ST BOG MEETING
HELD ON 23RD NOVEMBER 2015**

The minutes of the 61st meeting of the Board of Governors (BOG) held on 23rd November 2015 were confirmed.

Section 2: ACTION TAKEN REPORT

**2.1 TO NOTE THE ACTION TAKEN ON THE DECISIONS /
RESOLUTIONS OF THE 61ST BOG MEETING HELD ON 23RD
NOVEMBER 2015**

The action taken report on the resolution of the 61st meeting of the BOG held on November 23, 2015 were noted and approved with specific reference to the following points:

- **Student feedback** (Item No.4 of 61st BOG)

The BOG noted the action taken on issues pertaining to faculty with poor performance rating in the feedback process presented under 4.1, 4.2, 4.3 & 4.4 and responses to the notices issued in this regard.

Since the student feedback is an agenda Item (under subject 6.4 titled "REPORT ON STUDENT FEEDBACK"), it was decided to take up the matter under agenda item.

- **Enquiry in respect of Smt.K.G.Reena** (Item No.5 of 61st BOG)

The Board noted that in its 61st Meeting held on 23.11.2015, the BOG considered the report of the Enquiry Officer in respect of Smt.K.G.Reena and concurred with its findings. The Board also took cognizance of the views and recommendations of the BOG Sub-Committee for disciplinary matters in this issue. After detailed review and deliberations, the Board directed the Principal to obtain the status of current academic qualifications of Smt.K.G.Reena and present the same for further consideration of BOG of the matter.

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Accordingly, Smt.K.G.Reena was issued a letter dated 21.01.2016 asking her to provide details of her current educational qualification alongwith attested copies within seven days. In response, Smt.K.G.Reena submitted her latest qualification with the attested copies of the certificates on 10.02.2016. On referral, the BOG Sub-committee for disciplinary cases looked into the degree certificates produced by Smt.K.G.Reena and noted that there was no upgradation of qualification of Smt.K.G.Reena.

While on the subject, the BOG also noted its earlier resolutions on the matter (extract of the minutes is enclosed at *Annexure-I*).

Taking cognizance of its earlier decision on the matter, enquiry report and recommendations of the sub-committee, the Board decided to remove Smt.K.G.Reena from service with immediate effect. The Board directed the Member-Secretary to initiate necessary action in this regard.

- Enquiry Report in respect of Smt.D.Sharadamma (Item No.6 of 61st BOG) - The Board noted that in accordance with the decision of the BOG, a proposal has been sent to the Director of Technical Education vide letter No.BMS 13 EST(A) 2014 dated 02.02.2016 seeking approval for removal of Smt.D.Sharadamma FDA & In-charge superintendent, Stores Section from service. Further, a reminder was also sent to DTE and the reply is awaited. The Board directed the Member-Secretary to write a DO letter to Sri.H.U.Talawar, Director of Technical Education requesting for an early response on the matter.

Section 3: COLLEGE REPORT

3.1 REPORT OF THE ACADEMIC ACTIVITIES OF THE COLLEGE

The Member-Secretary presented before the BOG a summary of the activities held for the period from November 2015 and February 2016 which was well-received by the Members.



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Section 4: INFORMATION ITEMS

4.1 REPORT REGARDING EXTENSION OF AUTONOMOUS STATUS

The Member-Secretary informed the BOG that the UGC Expert Committee after evaluating the performance and academic attainments has recommended extension of autonomous status for the period of six years from 2014-2015 to 2019-2020 (ex-post facto approval for 2014-15 and 2015-16 and extension of autonomous status w.e.f. 2016-17 to 2019-20).

However, UGC in its covering letter No.F.22-1/2016(AC) dated 09.03.2016, conveyed that "the commission in its meeting held on 29.02.2016 decided to grant extension of autonomous status to BMS College of Engineering, Bengaluru under the UGC Scheme for Autonomous colleges for a period of six years w.e.f. 2014-2015 to 2015-2016. It was also decided that a Committee shall visit the College to consider further extension and take cognizance of the Complaint received against the College".

The institution through letter dated 26.03.2016 addressed to UGC has sought correction in period of autonomy granted. The reply in this regard is awaited. The Board noted the same.

4.2 REPORT REGARDING HOSTING OF SEVEN INTERNATIONAL CONFERENCES IN THE COLLEGE

The Member-Secretary apprised the BOG that out of seven international conferences scheduled to commemorate seventy years celebrations of BMSCE, six have been successfully conducted.

The coordinators of the 5th and 6th International conferences presented a brief report on the conferences.

November 2015

- The fifth International Conference on Business Ecosystem-Issues, Challenges and Opportunities has been successfully conducted from November 5-6, 2015. The Conference Coordinators, Dr.S.Nagendra, Dean (Management) and Dr.A.Satyanandini, Professor & HOD of MBA presented a brief report on the Conference, its outcomes and future activities.

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- The sixth International Conference on Technologies for Sustainable Social Innovation has been successfully conducted from November 8-9, 2015. The Conference Coordinator, Dr.H.N.Suma, Professor & HOD of Medical Electronics presented a brief report on the Conference, its outcomes and future activities. The Board noted and appreciated the efforts of the institution.

Upcoming Conferences:

June 2016

- The seventh International Conference on role of creativity in higher education in association with India Platform is scheduled from June 10-11, 2016.
- Department of Mechanical Engineering is organizing International Conference on Advanced Materials and Applications from June 15-17, 2016. under Central of Excellence – TEQIP Phase II.

The Board noted the same.

4.3 STATUS REPORT ON STRATEGIC PLANNING

Before taking up the agenda, the Member-Secretary requested Sri.K.Jairaj, Trustee, BMSET to release the comprehensive document on Strategic Planning. Sri.K.Jairaj released the Strategic Planning document of BMSCE.

The Member-Secretary apprised the Board about the achievements and compliance in respect of short term goals of Strategic Plan. He also informed that the Short Term Goals and Objectives (both institutional and department-level) have been revised keeping the target Period as 2016-2018.

The BOG took note and approved the Strategic Plan. The copy of the revised Strategic Planning is provided at *Annexure-II*.



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4.4 REPORT ON ADMINISTRATIVE REFORMS

The Member-Secretary apprised the BOG that several changes/reforms were effected towards smooth administrative functioning. The details of which are provided hereunder:

SNo	Name & Designation	Additional Responsibility		
		Previous	Present	w.e.f.
1	Dr.B.V.Ravishankar Professor, Dept. of Civil Engg.	Dean (First Year B.E.)	Incharge Principal of BMS Eve.CE	01.02.2016
2	Dr.K.Guruprasad Professor, Dept. of Mech. Engg.	Dean (Mechanical)	Dean (First Year B.E.)	16.02.2016
3	Dr.Mamatha P Raj Professor, Dept. of Architecture	Dean (Architecture)	Director BMS College of Architecture	09.03.2016
4	Dr.Vinod C Aralimatti Professor, Dept. of Mech. Engg.	Controller of Examination	Dean (PG Studies)	14.03.2016
5	Dr.Sureshramaswwamy Reddy Professor, Dept. of Civil Engg.	Director, IQAC	Controller of Examination	14.03.2016

The BOG noted and approved the above nominations.

Section 5: ITEMS FOR RATIFICATION

5.1 IMPLEMENTATION OF DEARNESS ALLOWANCE FOR THE NON- TEACHING EMPLOYEES UNDER STATE SCALES OF PAY

The Board approved the implementation of Dearness Allowance to the non-teaching staff members (both Aided and Management) in the revised pay scales 2012 from the existing 28.75% to 32.5% of the basic pay w.e.f. 01.07.2015 (GO No.FD 18 SRP 2015 dated 30.09.2015). The Board also noted the total DA arrears of Rs.4,45,000/- was disbursed.

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SNo	Account Head	Number of Employees	Difference Per Month	Arrears of DA Period from July 2015 to September 2015
1	Grant-in-Aid (15% Mgt. Share)	80	8,300	1,80,000
2	Management	126	72,354	2,30,000
3	P.G.	20	10,823	35,000
TOTAL		226	91,477	4,45,000

5.2 IMPLEMENTATION OF DEARNESS ALLOWANCE FOR FACULTY UNDER AICTE SCALES OF PAY

The Board approved the implementation of Dearness Allowance to the Teaching Staff members (both Aided and Management) who are on AICTE Scales of pay from the existing 113% to 119% of the basic pay w.e.f. 01.07.2015 (GO No.FD 19 SRP 2015 dated 08.10.2015). The BOG also noted the total DA arrears of Rs.34,71,364/- was disbursed.

SNo	Account Head	Number of Employees	Difference Per Month	Arrears of DA Period from July 2015 to October 2015
1	Grant-in-Aid (15% Mgmt. Share)	72	36,500	9,71,364
2	Management	201	4,30,168	20,00,000
3	PG	44	1,12,200	5,00,000
TOTAL		317	5,78,868	34,71,364

5.3 EXTERNAL GRANTS RECEIVED FOR THE PROJECTS SUBMITTED BY THE FACULTY MEMBERS

The subject matter was considered at Items No. 6.3.7.

5.4 APPOINTMENTS MADE TO TEACHING & NON-TEACHING POSITIONS

The Board ratified the appointments made to various teaching and Non-teaching positions (listed at *Annexure-III*) based on the recommendations of the sub-committee of BOA on consolidated pay for a period of one year. The Board also suggested that the services of the said staff members be extended from time to time based on their performance and subject to review by the BOA.



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Section 6: ITEMS FOR APPROVAL

**6.1 MINUTES OF THE 10TH MEETING OF THE ACADEMIC COUNCIL
HELD ON 29.02.2016**

The minutes of the 10th meeting of the Academic Council held on 29.02.2016 was approved and ratified by the BOG.

**6.2 MINUTES OF THE 17TH MEETING OF THE SUB-COMMITTEE OF
BOG OF TEQIP PHASE-II HELD ON 23.02.2016**

The Vice-Principal and the TEQIP Coordinator-I presented a brief report on activities of TEQIP II along with component wise details of expenditure incurred under the Project for the period from September 2015 to March 2016.

The Vice-Principal and the TEQIP Coordinator-I apprised the Board that the 17th meeting of the sub-committee of BOG of TEQIP II was held on 23.02.2016 and the minutes has been circulated to all the members by email. The Board noted the following points:

- Prof. B. S. Sonde conducted third mentoring of TEQIP Phase II activities of the College on 6th & 7th November 2015 and has noted as Good Progress;
- The college received the last installment of Rs.150 lakhs out of the total grant of Rs.1250 lakhs under TEQIP II and submitted the action plan for utilization of the same to SPFU;
- Out of Rs.500 lakhs sanctioned for COE activities, so far Rs.333.33 lakhs has been received by the College. The NPIU has informed the college that Rs.83.335 lakhs (50% of grants due) has been released to GOK for releasing the grants due to the College by adding its share of 83.335 lakhs (50%). The fund allocation has been re-appropriated.



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- In the 58th & 59th meeting held on 08.04.2015, the Board was informed that the SPFU had requested all the institutions to prepare a separate Institutional Development Plan for additional grant and the College had complied with the SPFU's directions. The NPIU through its mail dated 28.12.2015 has informed about the release of 50% of first installment of additional funds i.e., Rs.125 lakhs to the State Government with a direction to release the same to the College by providing matching grant of equal magnitude.

Based on the oral assurances received from the SPFU about release of additional grants during April 2016, steps have been initiated for implementation of action plan drawn for utilization of additional grants. As per NPIU communication, all procurement activities needs to be completed by 30.04.2016;

- Dr. Chandasree Das, Associate Professor, Department of Electrical Engineering & Principal Investigator, COE in Advanced Materials Research has been permitted to present her research paper titled "Switching Studies on $\text{Ge}_{15}\text{In}_5\text{Te}_{56}\text{Ag}_{24}$ Thin Films" in the International Conference on "Glass Science & Technology – ICGST 2016" organized by the World Academy of Science, Engineering & Technology at New York, USA scheduled from June 6-7, 2016 with a financial assistance of Rs.2.32 lakhs;
- An International Conference on "Advanced Materials and Applications (ICAMA-2016)" is permitted to be organized under the Center of Excellence in Advanced Materials Research from June 15-17, 2016 with a financial assistance of Rs.27 lakhs
- The college proposed to conduct one national conference and four workshops on domain areas of the Center of Excellence in Advanced Materials Research during April to July 2016

The Board noted the activities conducted and the activities approved by the sub-committee under TEQIP II. The Board approved the minutes (*Annexure-IV*) of the 17th meeting of the sub-committee of BOG for TEQIP.

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6.3 REPORT ON RESEARCH ACTIVITIES

The Member-Secretary informed the BOG that the faculty research publications (FRP) have been compiled in the form of a compendium by the department of R&D. He also informed that currently 150 faculty members of this College possess doctoral (PhD) qualification. The Member-Secretary requested Hon'ble Donor Trustee, BMSET and Beloved Chairman, BOG to release the institutional documents on faculty research publications and list of faculty possessing doctorate degrees (PhD) respectively.

Dr.B.S.Ragini Narayan, Donor Trustee released the FRP compendium document. Dr.P.Dayananda Pai, Chairman, BOG released the list of 150 PhD faculty members.

While appreciating the achievement, the BOG opined that this reflects the effective implementation of research improvement measures.

6.3.1 Faculty Awarded PhD Degree

The Board noted the following faculty were awarded doctoral degree during the period from April 2015 to March 2016:

SNo	Name of the faculty / Designation	Department	Institution	PhD Awarded
1	Dr.B.Mallikarjuna Asst. Prof.	Mathematics	Jawaharlal Nehru Technology University,	15.04.2015
2	Dr.N.Sandeep Verma Asst. Prof.	Information Science	Andhra University	29.04.2015
3	Dr.A.Usha Assoc. Prof.	Electrical	University of Mysore	17.04.2015
4	Dr.Arathi R Shankar Assoc. Prof.	Electronics	VTU	09.05.2015
5	Dr.H.K.Rangavittala Assoc. Prof.	Mechanical	VTU	08.06.2015
6	Dr.G.Keerthiga Asst. Prof.	Chemical	IIT, Madras	24.07.2015
7	Dr.Padmavathi Asst. Prof.	Electrical	NIT, Tiruchirapalli	22.08.2015
8	Dr.D.Radha Asst. Prof.	Mathematics	Mother Therasa Women's University, Kodaikanal	13.02.2016



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6.3.2 Faculty on Deputation

The Board noted that the following faculty members are on deputation pursuing PhD under Quality Improvement Programme (QIP):

SNo	Name of the faculty / Designation	Department	Institution	Deputation Duration (three years)
1	Sri.H.R.Prakash Asst. Prof.	Mechanical	IIT, Kharagpur	06.07.2013 To 05.07.2016
2	Sri.K.Balachandra* Asst. Prof.	Telecomn.	International Institute of Information Technology, Bangalore	01.03.2013 to 31.07.2016
3	Smt.M.Umavathi* Asst. Prof.	Electrical	Anna University, Chennai	03.07.2014 to 02.07.2017
4	Smt.H.N.Latha Asst. Prof.	Electronics	IIT, Kharagpur	07.07.2014 to 06.07.2017
5	Sri.B.Sudarshan Asst. Prof.	Mechanical	Indian Institute of Science, Bangalore	14.07.2015 to 13.07.2018

*have been advised to improve their performance and show progress in their research work

While on the subject, the Member-Secretary informed the Board that following initiatives are being proposed by the Institution towards enhancing research productivity:

- Guidelines prescribed for the faculty members seeking to pursue PhD at NIT, IIT, IISc., etc., under QIP
- The faculty deputed to pursue PhD under QIP must give at least one Seminar at the institute per year of their work. The Director (R&D) shall publish a calendar in this regard and announce it well in advance to all concerned.

The Board noted and approved the same.

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While on the subject, the Board opined that the performance of faculty on deputation (either fulltime or part-time under any institution/university) shall be reviewed periodically by the institution. Accordingly, the Board resolved that all the faculty members deputed for pursuing PhD studies, shall make a presentation regarding progress of their research work as per schedule. This is aimed to assess their progress and also measure their performance for sanctioning annual increment.

6.3.3 Faculty members registered for PhD on Part Time basis

The Board noted that a total of 103 in-house faculty members have been pursuing their PhD on Part Time basis. The Department-wise details are shown hereunder:

SNo	Department	PhD		SNo	Department	PhD
1	Civil Engg	5		9	Instrumentation	2
2	Mechanical Engg	17		1	Medical Electronics	5
3	Electrical Engg	3		1	Chemical Engg.	5
4	Electronics Engg	8		1	Biotechnology	2
5	Industrial Engg	4		1	Architecture	4
6	Computer Science	10		1	Mathematics	5
7	Information Science	13		1	Humanities	2
8	Telecommunication Engg.	8		1	MBA	6
				1	MCA	4
Total Registered –103						



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6.3.4 Details of Research Scholars Awarded/on Rolls [MSc., (Engg.) & PhD] for the period from 01.01.2013 to 31.12.2015 in BMSCE Research Centers

The Board took note of the details of Research Scholars awarded/on rolls, MSc., (Engg.) and PhD in BMSCE Research Centers.

SNo	Department	Research Scholars Awarded			Research Scholars Registered		
		MSc., (Engg.)	PhD	Total	MSc., (Engg.)	PhD	Total
1	Civil Engg	5	12	17	21	56	77
2	Mechanical Engg	2	14	16	9	37	46
3	Electrical Engg	-	4	4	1	17	18
4	Electronics Engg	1	7	8	1	41	42
5	Industrial Engg	1	2	3	-	7	7
6	Computer Science	-	-	-	-	29	29
7	Information Science	-	-	-	-	24	24
8	Telecommunication Engg.	-	-	-	1	6	7
9	Chemical Engg.	-	1	1	1	6	7
1	Biotechnology	1	-	1	2	8	10
1	Architecture	-	-	-	-	7	7
1	Physics	-	-	-	-	6	6
1	Chemistry	-	-	-	-	9	9
1	Mathematics	-	2	2	-	13	13
1	MBA	-	3	3	-	23	23
1	Physical Education & Sc.,	-	-	-	-	1	1
Total		10	45	55	36	290	326



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6.3.5 Application forwarded for pursuing PhD

The Board ratified the issue of No Objection Certificate (NOC) to the following faculty members working under Management Cadre to pursue PhD under QIP and also forwarding their applications to Principal Coordinator for Advance Admission to PhD programme under QIP for the year 2016-17.

SNo	Name of the faculty / Designation	Department	Remarks
1	Sri.K.N.Madhusudhan Assistant Professor	Electronics	Application forwarded to the Principal Coordinator and service certificate issued
2	Smt.S.Nethravathi Assistant Professor	Electrical	
3	Sri.G.Karthick Assistant Professor	Mechanical	
4	Sri.B.M.Vikranth Assistant Professor	Computer Science	
5	Sri.J.J.Lohith Assistant Professor	Computer Science	

6.3.6 Compendium of Research Publications

The Board took note of the compendium of Research Publications.

6.3.7 External Grants received for the Projects submitted by the Faculty Members

The BOG noted with appreciation the external research funding through grants and contracts obtained by faculty. The details are shown at *Annexure-V*.

The Board also ratified the action initiated to execute the Bond as pre-requisite for sanction of grants as proposed.



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6.4 REPORT ON STUDENT FEEDBACK

Student feedback: explanation submitted by Dr.Potluri Geethavani, Professor, Department of Mathematics on her poor performance rating (Agenda Item No.4.1 of 61st BOG meeting held on 23.11.2015).

Action Taken Report: In accordance with the BOG resolution in its meeting held on 23.11.2015, Dr.Potluri Geethavani, Professor, Dept. of Mathematics was issued Notice dated 01.02.2016 informing her that she is provided one more opportunity to opt for VRS and to submit her option for VRS to the undersigned through proper channel within 07 days from the date of receipt of the said notice. In this connection, Dr.Geethavani has submitted representation on 08.02.2016, in which she informed that she is having teaching experience of unblemished 27 years, Pass percentage of students in subjects taught by her is more than 95% in UG and PG programs. Further, out of the four courses handled in an academic year, the ratings of the students feedback in only one or two reports of course i.e., a maximum of two out of twelve reports are low and they are counted and highlighted. She has also stated that without any valid reason her annual increment due on 01.12.2015 has been withheld. She has been served with a notice on the basis of the faulty students feedback which never been recognized under the DTE rules. Hence she requested to withdraw the notice dated 01.02.2016 issued to her and her claim for promotion to the post of professor in the Dept. of Mathematics which is vacant since 2004 consequent to the retirement of Dr.H.Narasimhamurthy be considered and a proposal be submitted to the DTE recommending her promotion to the post of professor with immediate effect. The representation dated 08.02.2016 of Dr.Potluri Geethavani was referred to the sub-committee of BOG for Disciplinary Cases.

Dr.P.Martin Jebaraj, Director (R&D) & member-convener of the BOG Sub-Committee for disciplinary cases informed the Board that the Disciplinary Sub-Committee recommended that a subject expert committee must be constituted to evaluate the performance of Dr.P.Geethavani as a faculty member and gauge her capability. The subject expert committee must be constituted by the Principal. In future, it is preferable to act on such issues during probation period of faculty as per already written management norms. It shall be informed to all new faculties that strict implementation of management norms will be followed on the issues related to student feedback and other issues.

The BOG after detailed deliberations, decided to accept the recommendation of the BOG Sub-Committee for disciplinary cases in toto.



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The Board resolved that subject expert committee be constituted to evaluate the performance of Dr.P.Geethavani as a faculty member and gauge her capability.

Accordingly, the Member-Secretary was authorized to constitute a Subject Expert Committee to evaluate the performance of Dr.P.Geethavani as a faculty member and gauge her capability.

While on the subject, the Board also resolved to effect similar procedure in respect of Smt.K.R.Mamatha, Assistant Professor, Dept. of Information Science & Engineering (Agenda Item No.4.3 of 61st BOG meeting held on 23.11.2015).

6.5 GRANT OF TIME BOUND PROMOTIONS TO NON-TEACHING STAFF (GIA)

The Board noted the proposal for Time Bound Promotions in respect of the following Non-Teaching Staff members (working under GIA) have been sent to the DTE approval.

SNo	Name	Department	Designation	Entry into present cadre	COMPLETION OF	
					YEARS	DATE
1	Smt.S.V.Nalini	Office	SDA	30.03.95	20	29.03.15
2	Sri.C.Raju	Electrical	SDA	30.03.95	20	29.03.15
3	Smt.A.N.Shubha	Office	SDA	30.03.95	20	29.03.15
4	Smt.K.V.Jogeshwari	Office	Typist	30.03.95	20	29.03.15
5	Smt.M.G.Geethalaksh	Office	Typist	30.03.95	20	29.03.15
6	Sri.P.Ramaiah	Office	Attender	30.03.95	20	29.03.15
7	Sri.E.Subramanya	Mechanical	Helper	30.03.95	20	29.03.15
8	Sri.H.C.Yagnesh	Electronics	Helper	30.03.95	20	29.03.15
9	Sri.T.Ramakrishna	Office	Attender	30.03.95	20	29.03.15
10	Sri.S.Venkatesh	Electrical	Helper	26.09.95	20	25.09.15

The Board noted and approved the proposal.

The Member-Secretary informed that Board that employees working under Management Cadre are also being extended time bound promotion on similar lines since 2010. Further, he submitted that 63 out of 82 employees under GIA and 89 out of 150 employees under management cadre have benefited under this scheme so far.



BMS COLLEGE OF ENGINEERING, BENGALURU-19

BOARD OF GOVERNORS (BOG)

Minutes of 62nd Meeting

March 31, 2016

6.6 GRANT OF STAGNATION INCREMENT AT THE MAXIMUM OF THE TIME SCALE OF PAY

The Board noted that as per the G.O. No.FD 3 SRP 96 dated 18.03.1996 an employee whose pay is stagnated at the maximum of the time scale of pay of the post held by the incumbent may be granted 5 consecutive stagnation increments at the rate of increment last drawn on the completion of one year after the employee's pay has been stagnated and the same is also extended to Aided Engineering Colleges vide G.O.No.ED 153 STAB 93 dated 02.12.1998.

The Board also noted that proposal in respect of the following staff members have been sent to the DTE for approval pending ratification of the BOG.

SNo	Name, Designation & Dept.	Due Date for next Stg. Inc. to be sanctioned	Present Pay and Scale of Pay	Rate of Stg. Inc. to be sanctioned	Pay on the Sanction of Stg. Inc. as shown in Col.3
1	Sri.P.Ramaiah Peon Dept. of IT	01.09.15 2 nd STI	Rs.16400+400 (1 st STI) Rs.10400-200- 12000-250-13000- 300-14200-350- 15600-400-16400	Rs.400	Rs.16400+400+400 (2 nd STI - 01.09.2015)
2	Sri.E.Subraman ya Helper Dept. of ME	01.02.16 2 nd STI	Rs.21000+500 (1 st STI) Rs.11600-200- 12000 -250-13000- 300-14200-350- 400-17200-450- 19000-500-21000	Rs.500	Rs.21000+500+500 (2 nd STI) (01.02.2016)
3	B. Nagaraj Helper Civil Dept.	01.03.16 4 th STI	Rs.21000+500+500 (3 rd STI) Rs.11600-200- 12000 -250-13000- 300-14200-350-400- 17200-450-19000- 500-21000	Rs.500	Rs.21000+500+ 500+500+500 (4 th STI) (01.03.2015)
4	Ramakrishna B Helper Civil Dept.	01.03.16 4 th STI	Rs.21000+500+500 (3 rd STI) Rs.11600-200- 12000 -250-13000- 300-14200-350-400- 17200-450-19000- 500-21000	Rs.500	Rs.21000+500+ 500+500+500 (4 th STI) (01.03.2015)



BMS COLLEGE OF ENGINEERING, BENGALURU-19

BOARD OF GOVERNORS (BOG)

Minutes of 62nd Meeting

March 31, 2016

SNo	Name, Designation & Dept.	Due Date for next Stg. Inc. to be sanctioned	Present Pay and Scale of Pay	Rate of Stg. Inc. to be sanctioned	Pay on the Sanction of Stg. Inc. as shown in Col.3
5	Balakrishna M Helper Civil Dept.	01.03.16 4th STI	Rs.21000+500+500 (3rd STI) Rs.11600-200- 12000 -250- 13000-300- 14200-350-400- 17200-450- 19000-500-21000	Rs.500	Rs.21000+500+ 500+500+500 (4th STI) (01.03.2015)
6	Narayana B C Helper Electrical	01.04.16 4th STI	Rs. 21000+500PP +500+500+500 (3rd STI) Rs.11600-200- 12000 -250- 13000-300- 14200-350-400- 17200-450- 19000-500-21000	Rs.500	Rs.21000+500PP+ 500+500+500+500 (4th STI) (01.04.2015)

The Board ratified and approved the same.

6.7 APPROVAL OF THE REVISED BUDGET FOR THE FINANCIAL YEAR 2015-16 & THE DRAFT BUDGET FOR THE FINANCIAL YEAR 2016-17

The Board considered the revised budget for the financial year 2015-16 and the draft budget for the financial year 2016-17.

In view of the proposed construction of Platinum Jubilee Academic Block, the BOG opined to reduce the expenditure on capital account (equipment). Accordingly, the budget allocation under this head is curtailed to half of the budget proposed.

Accordingly, the Budget for the financial year 2016-17 was approved.



BMS COLLEGE OF ENGINEERING, BENGALURU-19
BOARD OF GOVERNORS (BOG)
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March 31, 2016

Section 7: ANY OTHER ITEMS

- a) The Board opined that each department should undergo an external review/evaluation of the academic quality of their programmes through a committee comprising of academic experts. The departments shall benchmark its programmes based on the summative evaluation of the Academic Review Committee (ARC). The ARC shall comprise of three external experts as its members. The ARC shall review the quality of the faculty, academic standards, research and consultancy activities pertaining to the programmes and submit its observations/suggestions.

The Member Secretary was authorized to constitute the Academic Review Committee for each programme to facilitate the process.

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


MEMBER-SECRETARY


CHAIRMAN



BMS COLLEGE OF ENGINEERING, BANGALORE – 560 019

[Autonomous College under VTU]

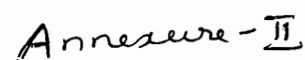
Annexure-I

The Extract of the minutes of the BOG meeting held on 31.12.2010 on this subject, is cited hereunder:

“The BOG in its meeting held on 31.12.2010 considered Smt.Reena’s M.S. Degree Certificate of Anna University. The qualification is not suitable for working in the Department of Mechanical Engineering. The Board has given opportunity to enroll in PG Program in Mechanical Engineering during the academic year 2011-12. In the event of non-compliance of the decision cited above, her services will be terminated”

The Extract of the minutes of the BOG meeting held on 22.03.2011 on this subject, is cited hereunder:

“The BOG has taken note that Smt.K.G.Reena has not obeyed the directions of the BOG. She neither responded nor utilized the opportunity given to her by the Board for registering herself either for PG Program in Mechanical Engineering (M.Tech) or for M.Sc., (Engg) by research in one of the appropriate research centres of the College as an external candidate during the ensuing Academic Year 2011-12. The Board viewed the dis-respect shown to the Board seriously by not submitting any written statement for the several communications issued to her in this regard. After detailed deliberations, the BOG decided to terminate the services of Smt.K.G.Reena and directed the Principal to initiate appropriate action in consultation with the legal Adviser. Taking cognizance of the entire matter in detail, the BOG decided to impose the penalty of removal from service on Smt.K.G.Reena. The BOG authorized the Member-Secretary to initiate necessary process in this regard”



Autonomous Institution affiliated to VTU



MEN OF VISION COURAGE & ENDURANCE



Rajyakaryaprasaktha Dharmaparakasha
Late Sri B. M. SRINIVASIAH
Founder



Late Sri B. S. NARAYAN
Donor Trustee

VISION

Promoting prosperity of mankind by augmenting
Human Resource Capital through Quality Technical
Education and Training

MISSION

Accomplish Excellence in the field of Technical
Education through Education, Research and Service
needs of Society

From the Principal's Desk :

BMS College of Engineering started in the year 1946, is the oldest Engineering College in the private sector. BMSCE has carved a name of its own in the field of technical education.

The college has largest student population among the engineering colleges in Karnataka drawing students not only from India but also from different parts of the world. BMSCE has produced more than 35000 engineers who are spread all over the world, contributing to the betterment of the mankind. The success of our Alumni has brightened the future of this great institution. The image and the brand that BMSCE has today is due to the hard work of our faculty and the contribution of the Alumni.



"We have a strategic plan. Its called doing things" - Herb Kelleher

The Progress of any Institution depends on its strategic plan and its efforts to execute the plan. We all know that progress is the function of performance. Our founders have laid out a great vision and mission for us to constantly look at it and perform. We all know that the progress always happen through the positive change that we make. It is in this direction that we thought we need to lay out clear goals, strategies both long term and short term to make this "Progress" significant. We are placing this hand book of strategic plan of BMSCE in your hands and wish that we move in the right direction collectively.

-Dr. K. Mallikharjuna Babu

STRATEGIC PLAN

TEAM SPEAKS:

"Without strategy, execution is aimless and without execution, strategy is useless"

- Mooris Chang

Strategic management is a continuous process that is logical and a systematic approach focusing on the long term and short term objectives in a competitive environment, while considering the available resources and the environment in which the organization exists.

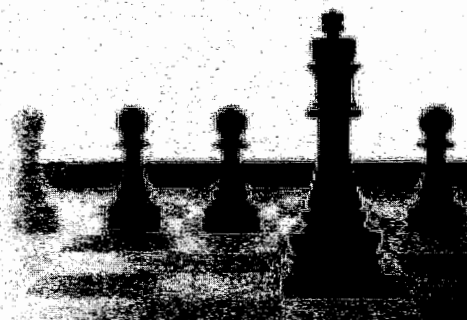


The initial part of the strategic plan for BMSCE started with a leadership vision aimed at achieving excellence by optimum utilization of the resources. To augment the process, workshops were organized for faculty to orient them towards strategic plan. The institution adopted a participatory approach both at institutional level and department level. SWOT analysis was done by all the departments for undertaking the goals and strategies. Short term goals to be achieved within 1-3 years and long term goals to be achieved within 8 years were identified by all the 18 departments after deliberation with the faculty of the respective department. This resulted in 11 short term and 12 long term objectives at the institutional level that was presented to the board for approval. The review meetings were held periodically as strategic planning is an on- going management process. The process of implementation and the necessary controls for monitoring the strategic plan was decided in the BOG meeting held during 2015.

The HOD's from 18 Departments presented their compliance report during December 2015. As a next step in this direction all the departments have set their short term goals for 2016-18. Based on this, the short term institutional goals were identified and the objectives were defined. 11 new short term Institutional goals were arrived at.

We wish to place on record the continuous mentoring by the chairman Dr. Dayanand Pai, Trustees Dr. Ragini Nararaya & Mr. Jairaj, Principal Dr. K Mallikharjuna Babu and Vice Principal Dr. G.N Sekhar. We sincerely thank all the Deans and HODs for their constant support and cooperation. We also would like to sincerely thank Mr. Srinivas, Mr. Harish and Mrs. Shobha for their help and support.

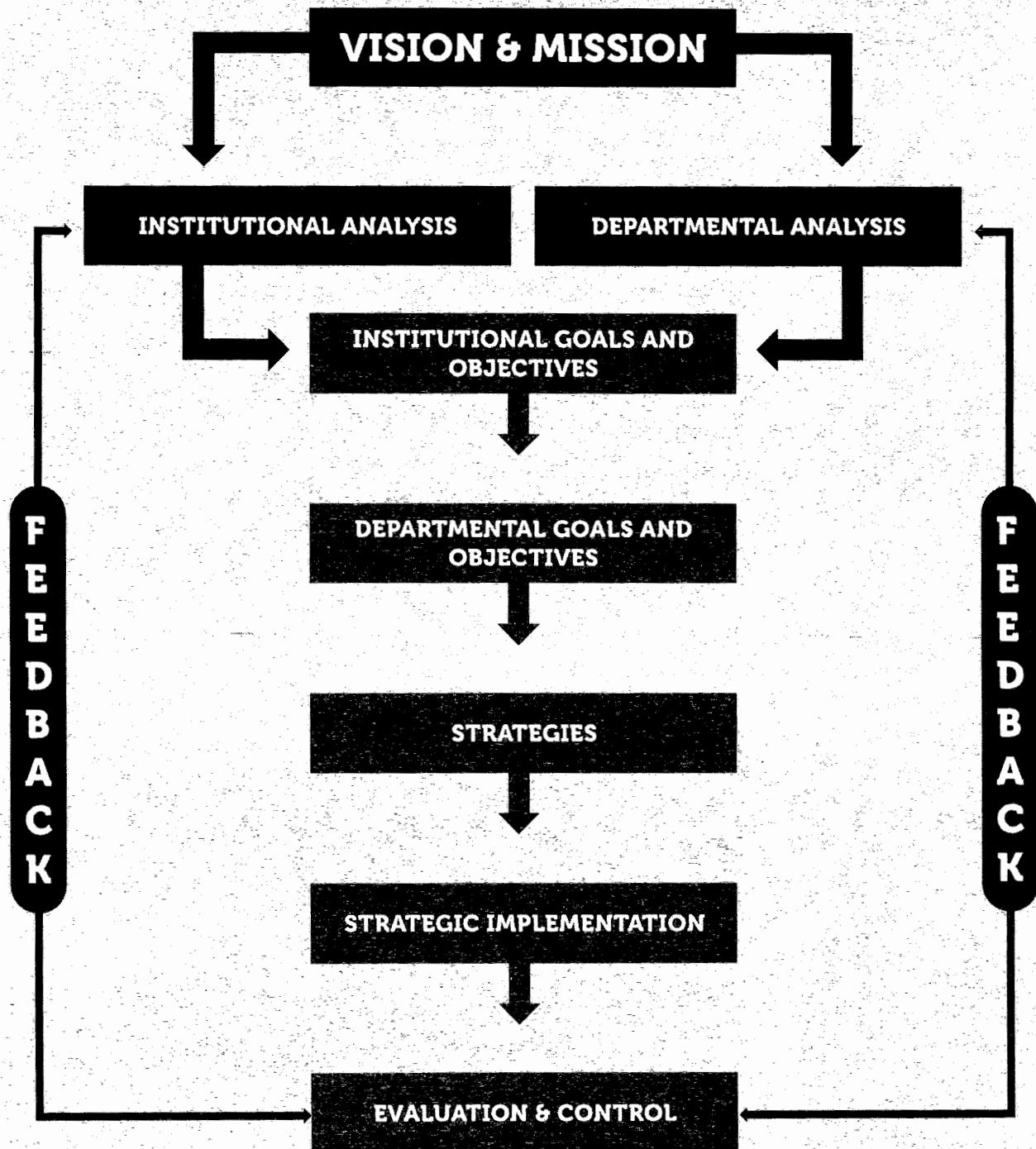
Dr. S Nagendra , Dr. B.N Shubha, Mr. Sridhar.H.R
-Core committee , Strategic Plan.



STRATEGIC PLANNING COMMITTEE

Dr. K. Mallikharjuna Babu - Principal
Dr. G. N. Sekhar - Vice Principal
Dr. S. Nagendra - Dean Management
Dr. S. Muralidhara - HOD Civil
Dr. L. Ravi Kumar - HOD Mechanical
Dr. Ravishankar Deekshit - HOD EEE
Dr. D. Seshachalam - HOD ECE
Dr. K. J. Rathan Raj - HOD IEM
Dr. H. S. Guruprasad - HOD CSE
Dr. Gowrishankar - HOD ISE
Dr. B. Kanmani - HOD TCE
Dr. H. N. Suma - HOD ML
Dr. Samita Maitra - HOD Chemical
Dr. M. Rajyalakshmi - HOD BT
Dr. K. Narasimha Rao- HOD EIE
Prof. K. R. Madhu Chand - HOD Arch
Dr. A. Satya Nandini - HOD MBA
Dr. D. N. Sujatha - HOD MCA
Dr. T. S. Pranesha - HOD Physics
Dr. M. S. Dharmaprakash- HOD Chemistry
Dr. S. Jayanthi - HOD Maths
Dr. B. N. Shubha - Associate Professor MBA
Mr. H. R. Sridhar - Assistant Professor MBA

STRATEGIC PLAN PROCESS AT BMSCE



INSTITUTIONAL GOALS AND OBJECTIVES (SHORT TERM)

(2016-2018)

STG-1

NBA ACCREDITATION

- UG Programme Accreditation. Submission of compliance report by the UG programs accredited for 2 years and submission of application for accrediting EC programme and obtain the accredited status by NBA
- PG Programme Accreditation. Applying for accreditation of all PG programmes and obtain the accredited status

STG-2

ACADEMIC AUTONOMY FOR PG PROGRAMS

To get the autonomy approval for the renewal from UGC (both UG & PG programmes)

STG-3

STRENGTHENING CAMPUS FACILITIES AND SUPPORT SYSTEMS

- Augmenting the laboratories to stay relevant
- ERP Solution, online access to material on website (new)

STG-4

IMPROVE TEACHING LEARNING PROCESS

- Implement pedagogical innovations: OBE, Active Learning, Project Based Learning, Open ended Experiments, Alternate assessment tools
- Extended Class Rooms (virtual class rooms); Lecture Capturing
- Blended Learning: e-learning, QEEE, Virtual Labs, MOOCs, Social Learning, Social Networks, Wiki Space, Architecture Way, Piazza and EDMODO
- Comprehensive Course implementation
- Course Packages(for one Credit courses): delivery & assessment

STG-5

ENHANCE THE OUTPUT IN RESEARCH AND CONSULTANCY

- Research Publications: enhancement in Quality & Quantity
- Writing proposal in thrust area for fetching external funding at least two per department
- International Collaborations
- Fostering Industry Sponsored R&D projects
- Consultancy Projects

STG-6

ENHANCE THE INDUSTRY -INSTITUTE COLLABORATIONS

- Adjunct faculty: Industry experts delivering part of syllabus in various courses
- Collaboration with industries for Research and innovative projects-Product & Process development
- Enhancing various activities with Industry leveraging on the existing MOUs
- Introduce Industry driven/offered Courses (one credit course in higher semesters)

STG-7

INTRODUCE NEW PG PROGRAMS

- Explore the possibilities of adding new PG programmes in Architecture, IM and EI departments (based on the availability of all resources)

STG-8

FOSTER CREATIVITY AND INNOVATION

- Introduce Finishing school for students
- Establishing Centre of Excellence in Big Data and Sensor Networks
- Establish Incubation Centers
- Apply for more patents to protect IP
- Conduct various creative and innovative competitions to enhance

STRATEGIC PLAN

STG-9

DEVELOP NEW CURRICULAM FOR 2016-18

- Design & developing curriculum for PG Programmes (after getting academic autonomy)
- Introduce mid-course survey and course end survey, Introduce industry relevant courses, encouraging inter-disciplinary Projects

STG-10

LAB ACCREDITATION

- Get at least one lab in each department accredited by NABL (National Accreditation Board for Testing and Calibration Laboratories). NABL is an autonomous body under the aegis of Department of Science & Technology, Government of India

STG-11

EVENTS

- Conduct events (workshops and conference) in the cutting edge technologies like High speed computing, health care, Biotechnology, Renewable energy resources and Sustainable technologies

INSTITUTIONAL GOALS AND OBJECTIVES (LONG TERM) (2013-2018)

LTG-1

TO CREATE CENTERS OF EXCELLENCE IN SELECTED AREAS PREFERABLY ONE IN EACH CLUSTER

- Utilizing the resources and expertise in each cluster, creating a center of excellence in the department with high resources and expertise
- Establishing modern facilities and infrastructure to take up high quality research

LTG-2

TO PROVIDE MODERN INFRASTRUCTURE FACILITY

- Develop infrastructure for carrying out R&D activities
- Establish academic infrastructure
- Strengthening the campus wide networking. Modernization of labs
- Up-gradation of central library

LTG-3

TO HAVE ALL THE FACULTY WITH PHD QUALIFICATION AT ALL LEVELS (70%)

- Encourage the faculty to register for PhD in reputed university
- Motivate the faculty registered to complete PhD
- New recruitment of PhD holders in specialized areas/Industry expertise

LTG-4

TO CONVERT ALL LABS INTO SPACES OF LEARNING FROM FUNDAMENTAL TO HIGHEST RESEARCH

- Create labs with necessary resources to enable research of high quality

LTG-5

TO OBTAIN ACCREDITATION FOR ALL THE LABORATORIES FROM THE CONCERNED/AUTHORIZED AGENCIES

- Equip the laboratories to meet the required standards of the authorizing agencies

LTG-6

TO FACILITATE STUDENTS TO BECOME ENTREPRENEURS (INCUBATION CENTER)

- Conduct business plan and idea competition
- Encourage more campus companies
- Provide the necessary infrastructure for incubating the ideas
- Bring in mentors to hand hold the students with innovative ideas. Provide the seed fund to develop prototype

LTG-7

USE OF TECHNOLOGIES FOR PROVIDING SKILL SETS & ADDITIONAL SELF -LEARNING, BRING IN RESEARCH CULTURE ACROSS DEPARTMENTS

- Persuade every faculty and student to acquire the latest skill sets and make use of the same in their research activities
- Encourage self-learning techniques through certain individual recognitions
- Inculcate the concept of inquiry and research amongst the students and faculty through new schemes and encouragement

LTG-8

COLLABORATE WITH INSTITUTIONS OF HIGHER LEARNING, RESEARCH ORGANISATION FOR EXCHANGE OF RESOURCES

- Collaborate with universities of repute for research activities
- Exchange of faculties and best practices to bring a holistic learning experience
- Collaborate with foreign universities of repute

LTG-9

TO COLLABORATE WITH FOREIGN UNIVERSITIES FOR EXCHANGE PROGRAMS

- Faculty Exchange Programs
- Student exchange Programs
- Partnership Programs

LTG-10

TO ESTABLISH THE CONTINUING EDUCATION PROGRAMME (CEP) CENTER

- Start short term and long term programmes offered to industry participants in selected domains
- Conduct certification programmes in few branches. Establish new PG programmes in selected branches
- Preparation of course modules in certain specialized clusters

LTG-11

TO ESTABLISH COLLABORATIVE LABORATORIES WITH THE SUPPORT OF INDUSTRY TO SERVE AS LIVE CENTERS OF LEARNING

- Set up laboratories to pursue research with some of the reputed companies

LTG-12

TO OBTAIN THE STATUS OF A PRIVATE UNIVERSITY

- Being the flagship institution of BMS education trust, BMSCE will put its first step forward as the leader of the group, to get the status of private university

STRATEGIC PLAN

DEPARTMENTAL GOALS AND OBJECTIVES:

1. ARCHITECTURE

SHORT TERM GOALS

STG-1 : INCREASE STRENGTH FOR M.ARCH AND RESEARCH

- Addition of another specialization for the M.Arch program by the year 2017 (M.Arch (Habitat Design) is offered since 2005)
- Increase in the research intake to 12 scholars (At present, there are 7 research candidates (4 Internal + 3 External) by 2017)

STG-2: IMPROVE INFRASTRUCTURE

- Expand the studios from 10 to 12 for UG program
- With an existing of 2 studios for PG, extend the same to 4 studios
- Add 100 Sq.mt of Space for Research Scholars
- Plan the spaces for Dean, HoD, Office and Faculty Meeting / Conference Space

STG-3: RE-BRANDING

- Publicizing the works of faculty & students by:
Effective using of the department website & also through UG Projects, PG Projects, Research and Consultancy Components

STG-4: STRENGTHEN FACILITY- LIBRARY

- Electronic cataloguing & database at present the department library has around 5000 volumes
- Having 2 / 3 PCs installed for browsing the existing CDs of Lectures by eminent resource persons
- Procurement of relevant e-books & access via portal

STG-5: STRENGTHEN FACILITY- LABORATORY

- Model making Lab - Procuring 3D Printer, Laser Cutter and Carpentry Tools (The available 3D printer in the college does not satisfy in terms of the quality of the output)
- Procuring additional licences - Eg. Rhino, Adobe Complete Suite, etc
- Documentation Centre would like to add Digital Camera (At present, personal camera / mobile is used)
- Exhibition space - Lighting, Wall hanging channels, Display screens, sound systems (At present, the space has been identified and used as a general storage of the materials, models, etc)

STG-6 SYLLABUS

- Syllabus revision to be completed & implemented
- B.Arch syllabus is always prepared holistically (1-10 semesters)
At present, faculty groups have been formed & assigned responsibilities for various parts and departmental meetings have been conducted
- Organizing value-add courses (especially during vacations) for students (eg: softskills, tool handling, digital fabrication and others)
- Previously workshops on Ecotect, Revit, clay & paper-mache products have been conducted

STG-7 OTHER ACTIONS

- Sign a MOU with an international university and establish an exchange program
- Extended hours of access to studios with the help of additional non-teaching staff for varied timings
- Organize workshops & host joint National / International Conference
- Bid for NIASA thesis presentation event

LONG TERM GOALS

LTG-1: AUGMENT INSTITUTE-INSTITUTE INTERACTION TO ENHANCE THE KNOWLEDGE BASE OF THE DISCIPLINE, AND TO GIVE IMPETUS IN THE AREA OF RESEARCH DEVELOPMENT & CONSULTANCY

- Collaboration with national / international institutes in terms of joint ventures such as Student & Faculty exchange programs

LTG-2: TO INCULCATE THE AWARENESS OF SOCIAL RESPONSIBILITY AMONG STUDENTS

- Encouraging students to involve in various social and developmental organizations as Co-curricular & Extra-curricular activities

2. BIOTECHNOLOGY

STG-1: NBA ACCREDITATION FOR EXTENDED PERIOD

- Compliance to the NBA committee observations [C, W & D]

STG-2: ENHANCED EXTERNAL FUNDING FOR R & D

- Explore funding from new avenues
- Other initiatives:
 - Extraction of essential oils from patchouli
 - Development of antimicrobial chitosan polymers
 - Keratinase from bacterial sources

STG-3: INDUSTRY INSTITUTE INTERACTION

- Live projects from Natural Remedies Private Ltd., and Cleanergics -MOU
- Development of antimicrobial chitosan polymers is an
- Industry sponsored R & D-Everest Biotech (Consented)
- Industry in TLP:
 - Industry managed lab (Bioinformatics)
 - Industrial training (Waters and GE)
 - Industrial training as credit course

STG-4: FACULTY DEVELOPMENT

- QIP, New faculty for OBE pedagogy

STG-5: ENCOURAGE INNOVATION AND CREATIVITY

- Research methodology as core course
- Research paper review as AAT
- SS as Project based learning
- Encourage participation in competitions

STG-6: ENTREPRENEURSHIP DEVELOPMENT

- Encourage to take certificate courses related workshops and guest lectures
- Encouragement for Initiation as entrepreneur

STG-7: IMPROVEMENT IN TLP

- MOOCs (Thermodynamics)
- Process Control and Automation
- Enzyme tech
- Biochemistry
- Activity based learning
- Project based learning
- Social learning (Thermodynamics, Project management)
- Open ended experiments
- Industry involvement in TLP

STRATEGIC PLAN

STG -8: CONSULTANCY

- SS Nutraceuticals
- Tissue culture of chrysanthemum SPS - process
- Standardization

STG-9: PROFESSIONAL BODY ACTIVITIES

- Two activities planned in association with Proteomics Society of India [PSI] during Feb-March, 2016
- IEE EMB Extension lectures
- Establishing a Student Chapter of Association of Biotechnology Led Enterprises [ABLE] One day activity on Career Opportunities by ABLE

LONG TERM GOALS

LTG 1: TO START NEW PG PROGRAM IN M.TECH INDUSTRIAL BIOTECHNOLOGY

- Syllabus formulation and approvals by AICTE,VTU

LTG 2: TO START FINISHING SCHOOL (TARGETED FOR FRESH B.E BIOTECH GRADUATES)

- Study the performance of existing schools and overcome the limitations

LTG 3 : TO START INCUBATION CENTER TO FACILITATE PROCESS DEVELOPMENT FOR UPSTART COMPANIES IN BT FIELD.

LTG 4 : FOCUSED RESEARCH THROUGH TEAM WORK.

LTG 5 : INCREASE THE NUMBER OF DOCTORATES

- To Ensure majority of Faculty members to enroll for Ph. D& completed by 2019
- To Encourage recruitment of faculty with Ph. D Degree

LTG 6 : INITIATE AN INTERNATIONAL CONFERENCE

- International Conference in collaboration with other academic institutes & foreign collaboration already instated by the college
- Associate with IEEE Bangalore section and ascertain that the proceedings is indexed by IEEE

LTG 7 : NURTURE STUDENTS AND AID IN TRANSFORMING THEM AS ENTREPRENEURS

- Enhance awareness through talks, seminars and workshops
- Bridge the gap with the support of BMSCE-ED Cell

LTG 8 : ESTABLISH CENTER OF EXCELLENCE

- Motivate the faculty to collaborate with other departments & come up with proposal

LTG 9 : COLLABORATION WITH OTHER INDUSTRY/ UNIVERSITY/ INSTITUTE THROUGH MOU

- Collaboration with industries through research proposals
- Collaboration with academic institutes through project works & Ph.D work

3. COMPUTER SCIENCE AND ENGINEERING

STG-1: FRAMING AND REVIEWING OF UG SYLLABUS

- To Frame 3rd and 4th Year Syllabus
- Survey of the syllabus across the universities
- Draft Syllabus
- Presenting draft syllabus to the stake holders
- Finalization of Syllabus and Assessment methods
- BOS Meeting Reviewing [Course Feedback, Lab Exercises, Assessment Methods]

STG 2: BLOOMS TAXONOMY, INTERNAL AND EXTERNAL AUDIT

- 4th Semester TLP
- 3rd and 5th Semester TLP
- 4th and 6th Semester TLP

- 3rd, 5th and 7th Semester TLP

STG 3: ORGANIZING CO-CURRICULAR ACTIVITIES AND FACULTY CONTRIBUTIONS

- Development of Software applications for the Department
Department Faculty Information System
Student and Proctor Information System
Department Student Project Management Portal
Question Paper generator software
Blooms Level Analysis software
Workshop/Event Registration Portal

FACULTY REGISTERING FOR ONLINE COURSES / MOOCS

- Skill Training for students by Internal Faculty : Offer training to students in -JSON, JQUERY, PYTHON Programming, Basics of DIP using MATLAB, Clustering and Classification, GTEST, GIT[Version Control System, Raspberry PI, NS3, Data Analytical Tool (R Tool), Basics of DIP using MATLAB, Machine Learning Algorithms

STG 4 PG ACCREDITATION AND COMPLIANCE OF UG ACCREDITATION

- Preparing draft SAR for PG as per new format to be announced by NBA
- Applying for PG Accreditation
- Preparing UG Compliance Report
- Submission of UG Compliance Report

STG 5 ESTABLISHING A COE IN "BIG DATA AND SENSOR NETWORKS"

- Procurement of Components
- Setting up of the Laboratory Infrastructure
- Collaboration with an Industry
- Knowledge Incubation

STG 6 TO RECORD SESSIONS OF 5-10 MINUTES BY FACULTY FOR ELECTIVES

- Recording Video Sessions and uploading Videos to the Websites for OD and even Semester 2016-17 and 2017-18

LONG TERM GOALS

LTG 1 ENHANCE THE NUMBER OF DOCTORATES

- Encourage the existing faculty to register & complete their Ph.D. work
- Strengthening of Research center by recruiting Ph.D. degree holders

LTG 2 CONTINUING EDUCATION PROGRAMS

- Establish a continuing education cell to liaise between students, faculty & industry for certificate courses

LTG 3 PROMOTING RESEARCH CULTURE AMONG STUDENTS

- Embody the subjects /component in UG & PG syllabus for driving research interest among the students

LTG 4 PROGRAMS TO ADDRESS THE NEEDS OF LOCAL COMMUNITY

- Through student club "protocol" organize weekend training programs on computer literacy to the various section of the local community

4. CIVIL ENGINEERING

STG: 1 ENHANCED PUBLICATIONS

- Increase the number of publications to 60 in 2016-17

STG: 2 ENHANCED EXTERNAL FUNDING FOR R & D

- In order to enhance the research activities proposals are submitted, Ongoing Project- Rs - 25 Lakhs, Proposals-submitted for Rs - 60 Lakhs and Proposals for 2015-16 for Rs - 75 Lakhs

STRATEGIC PLAN

STG: 3 WORKSHOPS /SEMINARS/STTP

- Conduct 10 Workshops/ Seminars during 2015-16 & 2016-17 on :
Structures
Geotechnical Engineering
Environmental Engineering
Transportation Engineering
Water resource Engineering

STG: 4 COLLOQUIUM

- Second Wednesday's are meant to conduct colloquiums, So far 5 colloquia have been completed with good participation. This would be continued for the next 2 years

STG: 5 ACCREDITATION OF LABS

- Process has started for NABL accreditation, Highway Lab is identified. Services of a Consultant is being sought

STG: 6 INITIATION OF TLP STUDY CIRCLE

- In order to share the innovative TLP practices for effective OBE, it was proposed to start a TLP study circle once in a fortnight
- First meeting was convened on 4.11.2015

STG: 7 INITIATION OF SOFT SKILL TRAINING FOR TECHNICAL STAFF

- A few existing technical staff along with the newly recruited technical staff need soft skills training in Basics of MS Word, MS Excel and Internet to effectively record the data obtained from experiments

STG: 8 VALUE ADDED PROGRAMMES FOR STUDENTS

- In order to expose students to concepts beyond curriculum extension lecture series and workshops would be conducted. INAE extension series, IIRS Dehradun training in RS& GIS with certification and Training in Building Information Modeling (BIM) with certification is initiated

STG: 9 FINISHING SCHOOL FOR STUDENTS

- Vocational Training for a week to get hands on experience (Certification Course), Training at Construction Management Institute, Bangalore National Construction Academy, Hyderabad

STG: 10 NATIONAL CONFERENCE

Four national level conferences during 2015-16 would be conducted on :

- Geotechnical Earthquake Engineering
- Sustainable Technology
- Water and Waste water Management
- RS and GIS

STG: 11 ASCE STUDENT CHAPTER

- ASCE is a very reputed professional body in Civil Engineering. A student chapter under the banner of ASCE will have exposure for students in research activities and innovations at international level.
- Two Technical symposia, each during 2015-16 and 2016-17 are planned

LONG TERM GOALS

LTG 1: TO START NEW PG PROGRAMMES IN COLLABORATION WITH INDUSTRY

- Identify thrust area
- Collaborate with Industry to start new Programme

LTG 2: ENHANCE INNOVATIVE CONSULTANCY

- By carrying out research

LTG 3: TO BECOME CENTRE OF EXCELLENCE IN SELECT AREAS AND TO HAVE

- Collaborative research with other top research institutes
- Focused Research through Team Work

5. CHEMICAL ENGINEERING

STG: 1 ACADEMIC STATUS PERTAINING TO PG IN BIOCHEMICAL ENGINEERING

- To Improve Industry-Academia Interaction
- To have Autonomous status for PG

STG: 2 STRENGTHEN THE DEPARTMENTAL FACILITY

- To obtain UG laboratory certification
- To establish smart class room

STG: 3 INDUSTRY INTERACTION AND START-UP PLANS

- To have Value added courses with industry.
- To introduce one Credit Industry oriented course in higher semester
- Start -up encouragement with both UG & PG This year the final year students will undergo project with an inclination towards their plans for startups, if any. (Example: Currently drier are needed for drying food grade materials like areca nuts, turmeric etc. With the existing drier students projects are being implemented. Student need to come up with details of required operating parameters for efficient drying)

STG: 4 STRENGTHEN THE DEPARTMENTAL- ACADEMIC ACTIVITY

- Curriculum Development Workshop for PG towards Academic Autonomy
- Better implementation of Comprehensive courses
- Approaching funding agencies for socially viable project
- Development of research culture
- Encouragement of start- ups as departmental activity through budgetary proposals from students

STG: 5 IMPROVEMENT OF FACULTY VISIBILITY

- AIChE (American Institute of Chemical Engineers) has opened student membership to foreign students. If 12 members take membership a local chapter can be opened.
- Faculty to enroll in NPTEL and MOOCs courses
- Give importance to Social Learning

STG: 6 ENHANCE THE DEPARTMENTAL LABORATORY FOR SPECIFIC GOAL

- Ion Selective Electrodes for all elements
- Total Organic Carbon Analyzer
- UV-Spectrophotometer
- Auto Sampler for UV-Spectrophotometer
- Gel filtration columns

STG: 7 ENHANCE UG INTAKE

- Enhancement of UG intake to 90

LONG TERM GOALS

LTG 1 : DEVELOPING CENTER OF EXCELLENCE AND CONSULTANCY ACTIVITIES

- Interacting with other discipline like Biotechnology, Environmental Engineering for developing a center of excellence

LTG 2 : TO PRODUCE MORE SPECIALIST IN PARTICULAR AREA

- Imparting focused Education for specialization
- Impart professional education of adequate depth
- Produce highly capable individuals possessing Chemical Engineering design knowledge

LTG 3 : INTERNATIONALIZATION

- Faculty need to go to various other universities in the country and abroad for enhancement of knowledge and broaden their teaching experience.
- Collaboration with foreign university
- Involve the internationally renowned institute for curriculum development

STRATEGIC PLAN

LTG 4 : IMPROVE IN PUBLICATION

- Encourage faculty to publish papers in reputed peer reviewed journals

LTG 5 : ORGANIZE INTERNATIONAL SYMPOSIUM OF CUTTING EDGE TECHNOLOGY

- Identify the areas and arrange the symposium in association with national academic bodies.
- Invite renowned personnel for capacity building

6. CHEMISTRY

STG 1

Achieving 90% or beyond passing rate in the courses offered by the department

STG 2

To organize at least one short term course in the subject domain

STG 3

To organize at least two invited lectures (Expert Lectures)

STG 4

To offer elective courses in :

Nanomaterials

Corrosion and Metal finishing to ECE, ME, EEE and CE Students

Industrial fluids

STG 5

To write at least 4 research proposals in thrust area (Functional Materials) and submit to External funding agencies like DST-SERB /DST/UGC/ VGST/ISRO/NAL/HAL

STG 6

To publish at least 5 research papers in referred national/international journals

STG 7

To write text books on : ENGINEERING CHEMISTRY and TECHNICAL CHEMISTRY

LONG TERM GOALS

LTG 1: TO INITIATE DEVELOPMENT OF LABORATORY FACILITIES TO START M.SC. (INDUSTRIAL CHEMISTRY) AND M.TECH PROGRAMME IN NANOTECHNOLOGY

- Submit proposal to BOG, AICTE and VTU for the approval of course and curriculum

7. ELECTRONICS & COMMUNICATION ENGINEERING

STG-1 REVISED CURRICULUM

Framing revised curriculum for students of higher semesters admitted during 2014-15 with scope for self-learning, considering weightage for MOOCs etc

STG-2 ACCREDITATION OF UG/PG PROGRAMS

SAR for UG & PG programs would be ready for submission by March & April 2016 respectively

STG-3 ENHANCED EXTERNAL FUNDING FOR R & D AND IMPROVING DEPARTMENTAL INFRASTRUCTURE

As a step towards this, the department have already received Rs.23 Lac funding from ABB-GISL during 2013 Dec for TWO years research since Jan 2014

STG-4 ENHANCING ACADEMIC INDUSTRY COLLABORATION

Increased Industry driven courses (one/semester) , forming a research assessment board for review of faculty research and taking it thoughts to industry for acceptance, increase in Internship opportunities in domain related industry, inducting adjunct Faculty from Industry, Increased collaboration with Intel, NOKIA etc

STG-5 CONDUCTION OF DEPARTMENT NATIONAL CONFERENCE

A conference on networking wireless and embedded system design NEWS-2016 with funding under TEQIP-II

STG-6 LAB ACCREDITATION

Lab accreditation for Keysight Advanced Digital Communication Lab with plans to seek the help of STQC IT services, DeitY, Govt. of India, an autonomous Central Government establishment in building processes and documenting accreditation requirements

STG-7 INCUBATION CENTER/STARTUP COMPANY

Starting up of a company in campus with a new thought/approach [Driven and owned by interested faculty (subjected to the approval by higher authorities)]

LONG TERM GOALS

LTG 1 : INCREASE THE NUMBER OF DOCTORATES

- Ensure majority of Faculty members to complete Ph. D
- Encourage further recruitment with Ph. D Degree

LTG 2 : TO START NEW PG PROGRAMS AS PER INDUSTRY NEED

- Identifying the need of industry through multiple interactions
- Getting approval from AICTE /VTU either for part time or full time

LTG 3 ESTABLISH CENTER OF EXCELLENCE

- Motivate the faculty who have common area of research interest to collaborate and work
- Obtain financial support from agencies to establish Center of Excellence in the area of Automotive Technology/ VLSI & Embedded systems/RF lab

LTG 4 : COLLABORATION WITH OTHER INDUSTRY/ UNIVERSITY/ INSTITUTE THROUGH MOU

- Enhancing collaborative projects through student internship program
- Academic and research collaboration through MOU

8 . ELECTRICAL & ELECTRONICS ENGINEERING

STG-1: LEVERAGING TECHNOLOGY FOR TLP

Incorporating Inpods for TLP, Wiksate, and Blended MOOCs in courses, QEEE etc

STG-2: TECHNICAL STAFF RECRUITMENT & TRAINING

Recruitment of diploma holders who are skilled in the area of electronic hardware/PCB designs and computer system & maintenance/CADD. Also arrange for Technical Staff training in groups on maintenance and protection, motor re-conditioning, renewable energy installations etc

STG-3: STRENGTHENING INFRASTRUCTURE

Procurement for modernization of laboratories and enhancement of facilities for R&D /UG/PG projects

STG-4: CURRICULUM REVISION

International collaboration (Academia, industry) and work on impacting society by collaboration with professional Societies/Centres of excellence and enhance Project Based Learning

STG-5: INDUSTRY-INSTITUTION INTERACTION

Set-up of a hardware testing facility Training for Faculty & students Execution of Industry Pilot project

STG-6: RESEARCH & CONSULTANCY

Focus on Industry Funded Research, Research Centre Activities, Student/Faculty Publications, International Collaboration & Consultancy activities

STRATEGIC PLAN

LONG TERM GOALS

LTG 1: CENTER OF EXCELLENCE IN POWER ENGINEERING

- Upgrade facilities for research, consultancy and PG
- Produce more number of PhDs from research centre
- Enhanced number of Patents & Publication
- Take up projects in collaboration with industry
- Autonomy for MTech Course
- Increasing intake of PG course
- Starting a new PG course

LTG 2: INTERNATIONAL COLLABORATION

- Utilize opportunities offered through tie-ups with International forums such as INDIA PLATFORM etc

9. ELECTRONICS AND INSTRUMENTATION ENGINEERING

STG-1 CURRICULUM REVISION

- Review syllabus till 2nd year, 3rd and 4th year to be revised

STG-2

ENHANCING EXTERNAL FUNDING FOR CONSULTANCY, R & D

- Apply for funding to external agency

STG-3

ENHANCING ACADEMIC INDUSTRY INTERACTION

- Product development for LED lighting system

STG-4

ENHANCING RESEARCH PUBLICATIONS

- Better quality publications are to be published

STG-5

ENCOURAGING INNOVATION AND CREATIVITY

- More patents to be filed

STG-6

TEACHING LEARNING PROCESS

- Two 1 credit courses have been introduced along with four self-study subjects and tutorials
1 credit courses and comprehensive courses will be introduced for 3rd and 4th years

STG-7

PROFESSIONAL BODY ACTIVITIES

- The number of Faculty trainings internships and Entrepreneurships to be increased

STG-8

VALUE ADDED COURSES

- One value added course is introduced in collaboration with YIL. One more value added course to be introduced

STG-9

NEW PG PROGRAM

- Enhancement in intake and starting a new PG program. One PG program is to be started

STG-10

ALUMNI INTERACTIONS

- Increased alumni interactions to know the current trends in technology and Industries Practices.
- The objective is to start interactions with professional bodies and alumni direct or through video conferencing

LONG TERM GOALS

LTG 1:

TO START NEW PG PROGRAMS IN BIOMEDICAL INSTRUMENTATION AND PROCESS CONTROLS

- Introduce new PG programs in advanced fields of Biomedical Instrumentation and Process Controls

LTG 2:

COLLABORATION WITH OTHER INDUSTRY/ UNIVERSITY/ INSTITUTE THROUGH MOU

- Enhancing collaborative projects through student internship program
- Academic and research collaboration through MOU with reputed institutes and industry
- Establishment of advanced Laboratories

LTG 3:

CONDUCTION OF AN INTERNATIONAL CONFERENCE

- Start a National Conference and later transform it to International Conference
- Associate with IEEE Bangalore section and ISA Bangalore Chapter

LTG 4:

NURTURE STUDENTS TOWARDS BECOMING ENTREPRENEURS.

- Enhance awareness through talks, seminars and workshops
- Bridge the gap with the support of BMSCE-ED Cell, ISA and FICCI

10. INDUSTRIAL ENGINEERING AND MANAGEMENT

STG-1: IMPROVE TEACHING LEARNING PROCESS

- Implement comprehensive e-Learning solution of automatic recording and distribution of class lectures of all the classes in the department

STG-2: ENHANCE THE OUTPUT IN RESEARCH AND CONSULTANCY

- Ensure every faculty contribute through publications
Expected Journal publications during the academic year
2015 - 2016: 12 papers
2016 - 2017: 12 papers
- Enhance external funding for R&D
- Research colloquium to be conducted for the benefit of research scholars and faculty

STG-3: ENHANCE THE INDUSTRY - INSTITUTE COLLABORATIONS

- MOU with Industry and Technical association
- Industrial visits
- Invited/Guest/Expert Lectures by Industrial Experts
- Syllabus discussions with industry advisory board

STG-4 : INTRODUCE NEW PG PROGRAMS

- M.Tech in Product Design and Manufacturing

STG-5: ESTABLISH COLLABORATIVE LABORATORIES WITH THE SUPPORT OF INDUSTRY TO SERVE AS LIVE CENTRES OF LEARNING

- Establish BMSCE- RGBSI center of excellence for product life cycle management

STG-6: TO PROVIDE MODERN INFRASTRUCTURE FACILITY

- The Laboratories are need to augmented with Equipment/Learning Resources

LONG TERM GOALS

LTG 1 : STRESS MANAGEMENT R&D CENTRE

- Through national and international agencies

LTG 2 : PG PROGRAM IN IEM

- With the help of Management/AICTE/VTU

STRATEGIC PLAN

LTG 3 : ROBOTICS AND CIM TRAINING CENTRE

- Through professional associations/industry and other expertise

LTG 4 : INDUSTRIAL CONSULTANCY

- Along with DST/AICTE/Industry/Alumni and exploring funds from new avenues

LTG 5 : LEAN MANUFACTURING COE

- By exploring funding from new avenue.

11. INFORMATION SCIENCE AND ENGINEERING

STG-1: PROGRESSION IN RESEARCH PUBLICATION and CITATIONS

- All the PhD guides in the department to involve UG & PG students into research
- All the faculty will be encouraged and supported to work towards their research domain

STG-2: INITIATE COLLABORATIVE PROPOSALS

STG-3: IMPROVE LAB FACILITIES for UG & PG

STG-4: ACCREDITATION

- The compliance report for 5 years accreditation will be submitted

LONG TERM GOALS

LTG 1: STUDENT RESULT AND PLACEMENTS: ABOVE 92%

- By improving the teaching quality further
- By giving specialized care and attention to the weaker students
- By upgrading the curriculum to the industry needs

LTG 2: UG, PG STUDENTS AND STAFF RESEARCH PUBLICATIONS: 100 NOS

- All the staff in the department to involve UG students into research
- All the PG Staff in the department to involve PG students towards research
- Encourage and support all the faculties to involve in publications

LTG 3: NO. OF DOCTORATES AND PHD SCHOLARS IN THE DEPARTMENT:

- To encourage the staff to register for PhD and complete within 2020 and direct recruitment
- By supporting all the PhD guides in the department to register PhD scholars under them

LTG 4: INFRASTRUCTURE: A. SEMINAR HALL: 01 NO, B. SENSOR LAB: 30 COMPUTERS

- Requesting the Principal and management for space and finance

LTG 5: STARTING A NEW PG PROGRAMME

- By understanding the critical needs of the industry and framing the program in line to that

LTG 6: CONFERENCE: 01 PER YEAR

- By networking with the researchers at the national and international levels

12. MEDICAL ELECTRONICS

STG 1

TO ESTABLISH A FINISHING SCHOOL AIMING AT SKILL DEVELOPMENT IN MEDICAL INSTRUMENTATION THAT WOULD ENHANCE THE INDUSTRY READINESS OF THE STUDENTS (BOTH UG AND PG)

- Collaboration with TRIMEDX (USA) is in pipeline
- Collaboration with FBE (Flinders Biomedical Enterprises Pty Ltd., Australia)
- Collaborative student projects with Virginia Commonwealth University, USA

STG 2

TO EMBARK ON STRATEGIES FOR CONVERTING ALL CLASS ROOMS INTO HAND'S ON CLASSROOMS TO STRENGTHEN THE INTEGRATED COURSES

- Use simulation tools for implementation (NI MyDAC, MATLAB & Simulink)

- Provide students with hardware kits with all necessary components for developing the circuits
- Create special Lab hours to validate the developed circuit

STG 3

CURRICULUM MODIFICATION TO STRESS ON REFINING THE HAND'S ON EXPERIENCE TO THE STUDENTS

- Curriculum to encompass all courses with Practical component
- All practical components to end with relevant projects developed (Project Based Learning)

STG 4

TO RECRUIT FACULTY WITH EXPERTISE IN MEDICAL HARDWARE TO STRENGTHEN THE DEPARTMENT THRUST AREA (MEDICAL INSTRUMENTATION)

- To conduct healthcare events like CPR, Audio and Speech screening, Vision screening
- Also indulge in community healthcare programs

STG 5

TO CONDUCT HEALTHCARE EVENTS LIKE CPR, AUDIO AND SPEECH SCREENING, VISION SCREENING. ALSO INDULGE IN COMMUNITY HEALTHCARE PROGRAMS.

- Collaboration with FORUS Healthcare for Vision Screening
- Collaboration with Dr. S R Chandrasekhar Institute of Speech and Hearing for Audio & Speech screening
- Collaboration with B M S Hospital for CPR awareness

STG 6

TO CONDUCT AN ANNUAL HEALTHCARE HACKATHON WHICH WOULD INCLUDE CLINICAL IMMERSION, NEED ANALYSIS, BUDGET AND PROTOTYPING TO CULMINATE AS A TECHNICAL PROJECT OF THE CURRICULUM. TO CREATE A PLATFORM FOR INCUBATION AT CIME

- Discussions are on with A team comprising of Enable India (An NGO who develop devices to enable disabled to work along with main stream), Vinyas Technologies for giving the product shape and Robert Bosch to look into standardizing the product
- Involve the industries/Hospitals executing an MoU to be the screening panellists of the Hackathon
- Invite Industry and VCs to identify projects which could be prospective products

STG: 7

TO GET NABL ACCREDITATION TO ONE OF THE DEPARTMENT LABORATORIES (BIOMEDICAL INSTRUMENTATION LAB)

- The Processes involved is looked into
- Faculty are appraised about the process

LONG TERM GOALS

LTG 1:

ESTABLISH CENTER OF EXCELLENCE FOR DEVELOPING TECHNOLOGIES FOR AFFORDABLE HEALTHCARE.

LTG 2:

ALL FACULTIES TO ATTAIN DOCTORATES BY 2018. RECRUIT FACULTY WITH PHD IN REFINED DOMAIN AREAS.

LTG 3:

SPONSOR THE STAFF TO ATTEND MORE COURSES IN DOMAIN SPECIFIC AREAS THROUGH TEQIP-II FUNDING.

13. MECHANICAL ENGINEERING

STG 1: GET PERMANENT AFFILIATION FOR P.G PROGRAMME

- Approval of VTU for permanent affiliation of PG awaited
- Get accredited by NBA for P.G.(Machine Design)

STRATEGIC PLAN

STG 2: STRENGTHEN THE DEPARTMENTAL FACILITY/ SUPPORT SYSTEM AND ENHANCING INTAKE OF P.G PROGRAMS

- Upgrading laboratories
- Material Testing Lab
- Metrology and Measurement Lab
- Computer Aided Design Lab
- I C engine Lab
- Design Lab
- Establishing Machining Centers in Machine Shop
- To increase intake of P.G.(Machine Design) from 18 to 24
- Student support system
- Implementation of ERP solutions (to facilitate course registration CIE/SEE results, attendance status online)
- Online access to study materials through departmental website

STG 3: ENHANCE THE INDUSTRY -INSTITUTE COLLABORATIONS

- Collaborations with more industries and R&D organizations (atleast 4 Nos.)
- Guest lectures, Industry visits, Internships, Projects with
- Research institutes (RRI, CMTI, IISc, IITs, CPRI, NAL, CIPET, GTRE, ISRO, GTTC etc)
- Industries (Bosch, Scania CVIL, Mercedes Benz, Volvo, BFW, Kirloskar, Ducom, Sical Abrasives etc)
- Collaborative Projects

STG 4: BRING IN INNOVATION AND CREATIVITY IN TEACHING LEARNING PROCESS

- Introduction of self study in comprehensive courses for the programme
- Use of Social learning media (Wiksate)
- Implementing of Inpods for enhancing TLP
- Introducing CAD tools for students self learning
- Ansys
- SOLID WORKS / CATIA
- LABview
- MATLAB
- MOOCs

STG 5: DEVELOP NEW CURRICULUM FOR 2015-16

- Monitor the outcome of adapted TLP processes
- Introduce mid-course survey and course end survey
- Introduce Industry relevant courses (2 courses) so that industry can participate in content delivery
- Encourage interdisciplinary projects

STG 6: CONTINUING EDUCATION

- Faculty Development Program (FDP) /Workshops/ Seminars (06 Nos.)
- Distinguished invited lectures (2 Nos.)
- Short term trainings in collaboration with industries and professional bodies (2 No.)
- Conduct International Conference on Advanced Materials in 2016

STG 7: INTERACTION WITH ALUMNI

- To encourage Alumni to guide student projects
- To encourage Alumni sponsor Higher Education of deserving students
- To invite alumni to share their expertise through Seminars, Guest lectures, Career guidance programs etc
- To allow alumni to start incubation centre

LONG TERM GOALS

LTG 1 : INCREASE THE NUMBER OF DOCTORATES

- Ensure all the Faculty members to complete Ph. D

LTG 2: INITIATE AN INTERNATIONAL CONFERENCE

- Start a National Conference and later transform it to International Conference
- Associate with ISTE Bangalore section and ascertain that the proceedings is indexed by ISTE

LTG3 : NURTURE STUDENTS AND AID IN TRANSFORMING THEM AS ENTREPRENEURS

- Enhance awareness through talks, Seminars and Workshops
- Bridge the gap with the support of BMSCE-ED Cell and NEN

LTG 4 : ESTABLISH CENTER OF EXCELLENCE

- Motivate the faculty who have common area of research interest to collaborate and work
- Obtain financial support from agencies to establish Center of Excellence in the area of Mechanical

LTG 5 : COLLABORATION WITH OTHER INDUSTRY/ UNIVERSITY/ INSTITUTE THROUGH MOU

- Enhancing collaborative projects through student internship program
- Academic and research collaboration through MOU

14. MATHEMATICS

STG-1: TEACHING LEARNING PROCESS

- Prepare a mathematics text book (vol.1 & vol.2) exclusively for BMSCE first year students.
- Faculty members: SJ, MSG, GP, ACM, CG
- Institutional elective on Mathematical Modeling and Simulation
- Use social networks such as Edmodo, Archthe way, Paizza etc. to keep track of the students with their learning process and share online content

STG-2: MATHEMATICS LAB

- Introduce experiments involving collection of data and perform simulation
- Lab manual for students

STG-3: FACULTY DEVELOPMENT PROGRAMMES

- Conduct a PTM
- MOOCS: Faculty members to take MOOC

STG-4: ENHANCE RESEARCH OUTPUT

- Every faculty member to publish at least one research article per year
- Apply for research projects

STG-5: FOSTER CREATIVITY AND INNOVATION

- Conduct Competitions: Treasure Hunt, Mathematical modelling (working or static models)
- Organize 02 Lectures - Resources persons from mathematical Olympiad, industries etc

LONG TERM GOALS

LTG 1 : EVERY FACULTY MUST POSSESS DOCTORAL DEGREE.

- Four of them are yet to register for Ph.D.

LTG 2 : DEPARTMENT SHALL OFFER M.TECH. (MATHEMATICAL MODELING).

- Faculty will go through a series of training programs in the specific curriculum and the use of software

STRATEGIC PLAN

15. MASTER OF BUSINESS ADMINISTRATION

STG-1: ENHANCE INFRASTRUCTURE FACILITIES

- Create infrastructure with acceptable standards
- Digitalization of the library and bar-coding of the books to be introduced
- Extension of Faculty office space

STG-2: WORKSHOPS/SEMINARS/CONCLAVES/FDP

- To organise a Skill development program jointly with Athiya and KASIA
- To conduct 8 FDPs/MDPs/Workshop in 2016 on various contemporary issues in Management
- 1 Workshop on Business Analytics will be organised
- 2 days training on Smart Ways to Invest
- Faculty members to undergo NPTELs online courses

STG-3: FOCUS ON INDUSTRIAL CONSULTING

- Enhance Institute - Industry interaction
- Focus on INDUSTRIAL CONSULTING
- To plan activities under the already existing MOUs
- To float student clubs in the area of Finance, Marketing and HR to organise Guest lectures/Industry visits and other value added activities

STG-4: IMPROVE RESEARCH ACTIVITIES

- To conduct research colloquiums: Initiated the process of Research colloquium for every quarter. We have completed 4 colloquiums for the previous academic year
- Faculty will be insisted to focus on Impact Factor Journals. Faculty members shall contribute cases, research papers in refereed journals
- The Faculty members those who are yet to do Ph.D to register by 2018

STG-5: INITIATE SHORT TERM COURSES

- To be a certified Test centre for Bombay Stock Exchange Institute

STG-6: IMPROVE PLACEMENTS FOR STUDENTS

- To have an exclusive Placement officer for MBA

STG-7: ENHANCED FOCUS ON CSR INITIATIVES

Under the banner SAMBAVA, we propose to do the following activities:

- Few underprivileged women will be trained by our students to make handicrafts which will be sold and a portion of the revenue generated will be given to them
- An invited talk will be conducted on a social problem

STG-8 INNOVATIVE TLP

- OBE has been introduced for I semester to the current batch of I year MBA students (2015-17) and will be continued through all the 4 semesters
- Active learning will be introduced in two subjects each every semester
- Lecture capturing system could be set-up in all the MBA classrooms
- Students to be encouraged to enrol for courses on MOOCs
- Faculty and students would be encouraged to interact in social learning platforms

LONG TERM GOALS

LTG 1: INCREASE THE NUMBER OF DOCTORATES

- Motivate faculty members to complete Ph.D
- Support them for successful completion through flexibility in class schedules

LTG 2: INITIATE COLLABORATIVE RESEARCH

- Increased interaction with professional bodies via membership
- Interaction with India platform & other research agencies

LTG 3: ENCOURAGE ENTREPRENEURSHIP AMONG STUDENTS

- Through initiatives via BMSCE-ED Cell

LTG 4: IMPROVE PLACEMENTS FOR STUDENTS

- Introduce career counseling
- Appoint an exclusive placement officer
- Enhance Institute - Industry interaction

LTG 5: ESTABLISH INTEGRATED MBA PROGRAMME

- Adopt AICTE programme indicated for engineering students.

LTG 6: START INTERNATIONAL MBA PROGRAMME

LTG 7: COLLABORATIONS WITH FOREIGN UNIVERSITIES

16. MASTER OF COMPUTER AND APPLICATION

STG-1 SOFT SKILLS FOR STUDENTS

- 22 students from 2013 batch have enrolled & 10 classes are conducted
- Continue with Functional & Communicative English course by taking the support of English Faculty/ External agency Mandate this a part of 1st year course
- Procure licence for Communicative English software

STG-2 FACILITATE STUDENTS TO BECOME ENTREPRENEURS

- Organise workshops, seminars, Certified Course
- Create a minimum of 2 Entrepreneur from every batch

STG-3 STRENGTHEN CENTRE OF EXCELLENCE IN INTERNET OF THINGS

- More Proof of Concepts for IoT through projects
- Health Care Application as Mobile App
- Joint publication with Industry

STG-4 PREPARING FOR AUTONOMOUS STATUS

- Formation of Department Advisory Committee, Board of Studies, Board of Examination, Class Committee
- Preparing Scheme & Syllabus

STG-5 REGISTRATION FOR PH. D PROGRAM BY FACULTY MEMBERS

- Faculty Strength: 12
- 2 - Ph. D Completed
- 4 - Pursuing Ph. D program in VTU
- Status - 2 Comprehensive Viva Completed & 2 due for Comprehensive Viva during 2016
- 6 - To register by 2017 in reputed & recognised Universities like VTU, BU, Central & State Universities (as MCA graduates have very limited opportunities in IISc, IITs & NITs)

LONG TERM GOALS

LTG 1: INCREASE THE NUMBER OF DOCTORATES

- Ensure majority of Faculty members to complete Ph. D
- Encourage further recruitment with Ph. D Degree

LTG 2: INITIATE AN INTERNATIONAL CONFERENCE

- Start a National Conference and later transform it to International Conference
- Associate with IEEE Bangalore section and ascertain that the proceedings is indexed by IEEE

LTG 3: NURTURE STUDENTS AND AID IN TRANSFORMING THEM AS ENTREPRENEURS

- Enhance awareness through talks, seminars and workshops
- Bridge the gap with the support of BMSCE-ED Cell and NEN

LTG 4: ESTABLISH CENTER OF EXCELLENCE

- Motivate the faculty who have common area of research interest to collaborate and work
- Obtain financial support from agencies to establish Center of Excellence in the area of Computer Networks/ Data Mining

STRATEGIC PLAN

LTG-5: COLLABORATION WITH OTHER INDUSTRY/ UNIVERSITY/ INSTITUTE THROUGH MOU

- Enhancing collaborative projects through student internship program
- Academic and research collaboration through MOU

17. PHYSICS

STG-1 TO EXTEND VIRTUAL CLASS ROOM TO ALL STUDENTS

- The department has created a virtual class room in the last semester using Web 2.0 technology- piazza.com. This was used on an experimental basis involving two sections to promote teaching learning process
- We propose to extend the virtual class room to all sections

STG-2 AUGMENTING POLYMER COMPOSITES LAB

- To augment the existing Polymer Composites Lab to facilitate synthesis of polymer nano composites which can be used for sensor applications

STG-3 TO CREATE WEEKLY DISCUSSION FORUM

- To create a weekly discussion forum of research students and the faculty to discuss the progress in research and exchange knowledge

STG-4 TO SUBMIT A RESEARCH PROPOSAL ON DEPOSITION STUDIES

- To submit a research proposal to funding agency in the area of dry and wet deposition studies of particles

STG-5 UPGRADING ENGINEERING PHYSICS LAB

- To upgrade and modernize the Engineering Physics Laboratories by removing obsolete equipment and procuring new ones

LONG TERM GOALS

LTG 1: TO ESTABLISH R & D AND GUIDE STUDENTS FOR Ph. D.

- By enhancing the existing facility

LTG 2: TO BRING EXTERNAL FUNDING FOR RESEARCH

- By submitting the research proposals to funding agencies

LTG 3: TO ESTABLISH COLLABORATION WITH RESEARCH INSTITUTIONS

- Through MoU's in common areas of interest

18. TELECOMMUNICATION ENGINEERING

STG-1: ESTABLISH A HAM CLUB IN THE DEPARTMENT

- Upgrade facility in the communication lab
- Ensure minimum TWO faculty get certified through taking the required examination
- Form a student HAM club
- Provide Hands-on sessions to students through experience with LIVE free-space signals

STG-2: UPGRADE THE WIRELESS COMMUNICATION LAB

- Hands-on experience is essential to understand concepts in wireless communication
- Establish the Antenna Design (Simulation)
- Provide testing and experience of receiving LIVE signals
- Procurement of Vector Network Analyzer, Field Analyzer, Spectrum Analyzer, RF source

STG-3: TO ENHANCE USE OF TECHNOLOGY IN TEACHING/LEARNING/ ASSESSMENTS

- To ensure every faculty uses InPods/ Wiksate/ Moodle / any other
- To ensure blended model is adopted by all faculty (QEEE/IITB/any other)
- To ensure 'Communication Skill', is developed by all faculty (listening/ speaking/ writing/ reading/ chat)
- To ensure effective usage of Library resources

STG-4: START ENHANCE PROFESSIONAL BODY ACTIVITIES

- To ensure continued membership, and regular activities in the department with IET, IETE & IEEE

STG-5: TO CONDUCT THE ANNUAL NATIONAL CONFERENCE WISE

- National Conference once a year
- We would now make an annual event to be conducted every May/June
- Plan to submit an AICTE funding for the proposed National Conference

STG-6: TO ENHANCE INFRASTRUCTURE IN THE DEPARTMENT

- A seminar hall with a capacity of 80 with audio facility shall enhance the ambience of technical events of the department (presently the advanced communication lab has 35 computers, and we need additional 45 computers for establishing the facility)
- To increase the number of computers (for conducting on-line quiz)

STG-7: TO ENSURE CONTINUOUS UP-GRADATION/CONTRIBUTION FROM FACULTY

80% of faculty shall commit to the following:

- Take minimum ONE MOOC every semester
- Serve as a resource persons (in training programs conducted for students/ faculty/ technical staff either in the college or outside the college)
- Publish minimum TWO papers per year
- Associate with ONE industry/ Professional Body for suitable collaborations
- Submit ONE proposal for funding
- To develop question Bank of 100 questions (Skill addressed, Unit wise) by March 2016 (for this semester courses)

STG-8 TO ESTABLISH INCUBATION/ ENTREPRENEURSHIP CENTER

- To promote and nurture innovative ideas
- To submit proposal to AICTE
- To have regular events
- To have active participation of alumni
- To have support and guidance from MBA department

STG-9 TO CONDUCT TECHNICAL STAFF TRAINING

- To conduct technical staff training, ONE per semester
- To conduct suitable training for technical staff in the region
- Experts may be faculty from the department or from industry

LONG TERM GOALS

LTG 1: OFFER REGULAR & PART-TIME PG PROGRAMS

- Offer Regular & Part-Time PG programs in (i) Signal Processing, and (ii) Automotive Electronics
- To follow procedures recommended by VTU and AICTE together with guidance from Dean-Academic, Vice-Principal and the Principal
- To strengthen the faculty in the above specialization areas by recruiting suitable Doctorates
- Establish advance laboratories in the area of specialization

LTG 2: OFFER PG PROGRAM WITH FOREIGN COLLABORATION

- Offer PG program with foreign collaboration in the area of 'Telecommunication Engineering & Management Studies'
- Eventually everyone becomes a manager too soon in carrier and hence about 30% of the course content shall be with emphasis on managerial skills delivered through association and guidance with the MBA department
- Through consolidating the existing collaborations with IUCEE (America), India Platform (Europe) and ZTE Communication (China)

STRATEGIC PLAN

- The aim is to attempt framing curriculum, deliver courses through video-conference; have assessment from professors abroad; and finally offer degree from the associated university
- Selection process shall be through GRE-TOEFL and fee structure shall be about 50% of that if complete education is obtained by staying abroad

LTG 3: CONDUCT INTERNATIONAL CONFERENCE

- The confidence and experience gained through conduction of two consecutive national conference, shall help in moving ahead with the conduction of International conference
- Continued collaboration with professional bodies like the IEEE and the IET will help in the conduction of a quality conference
- An attempt to have selected papers published in Journals will also be explored

LTG 4: START PUBLICATION OF AN INTERNATIONAL JOURNAL

- To form the suitable review committee to help in the review process of received papers
- Submit the application form for an ISSN number
- Have all initial formalities completed before submitting the ISSN
- To begin with publication of the Journal on a bi-monthly, on-line Journal
- Eventually progress towards an International Journal Publication with Impact Factor

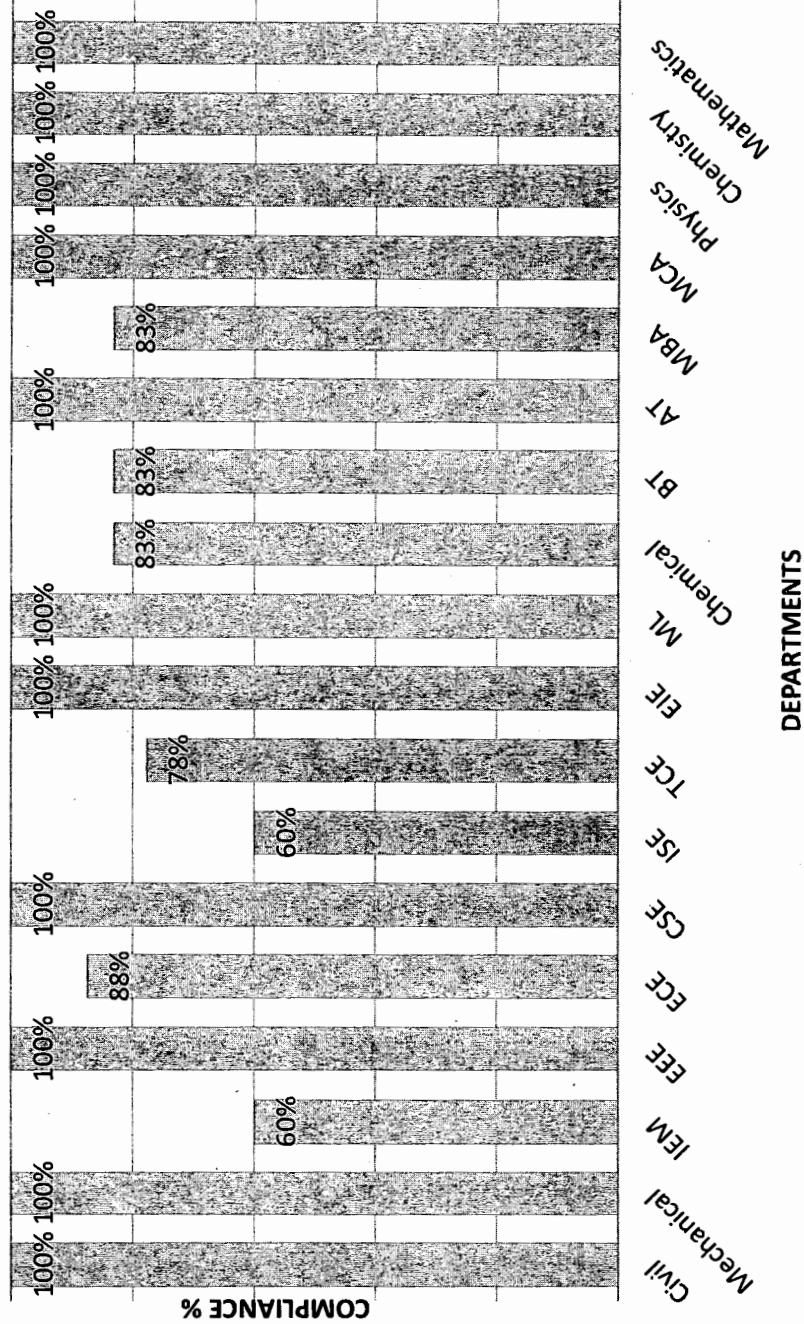
LTG 5: TO ESTABLISH MODERN CLASS ROOMS

- Each class room shall be equipped with: (i) one computer for every student; (ii) internet access for every computer, (iii) MOODLE/LENSOO installed on every computer
- The above facility will help in conduction of on-line quiz/test/discussion
- Installation of additional software like MATLAB, LABVIEW, TINA, MULTISIM, SIMULINK, KEIL, will convert the classroom to a computer based laboratory class
- Installation of additional interface modules like MyDAQ/ASLK, will convert the classroom to an electronics laboratory with all necessary instruments made available on the computer
- This will ensure uniform teaching for the whole class, enable conduction of additional experiments, enable conduction of an immediate quiz
- This shall lead to improved teaching-learning process together with effective utilization of time of student and faculty

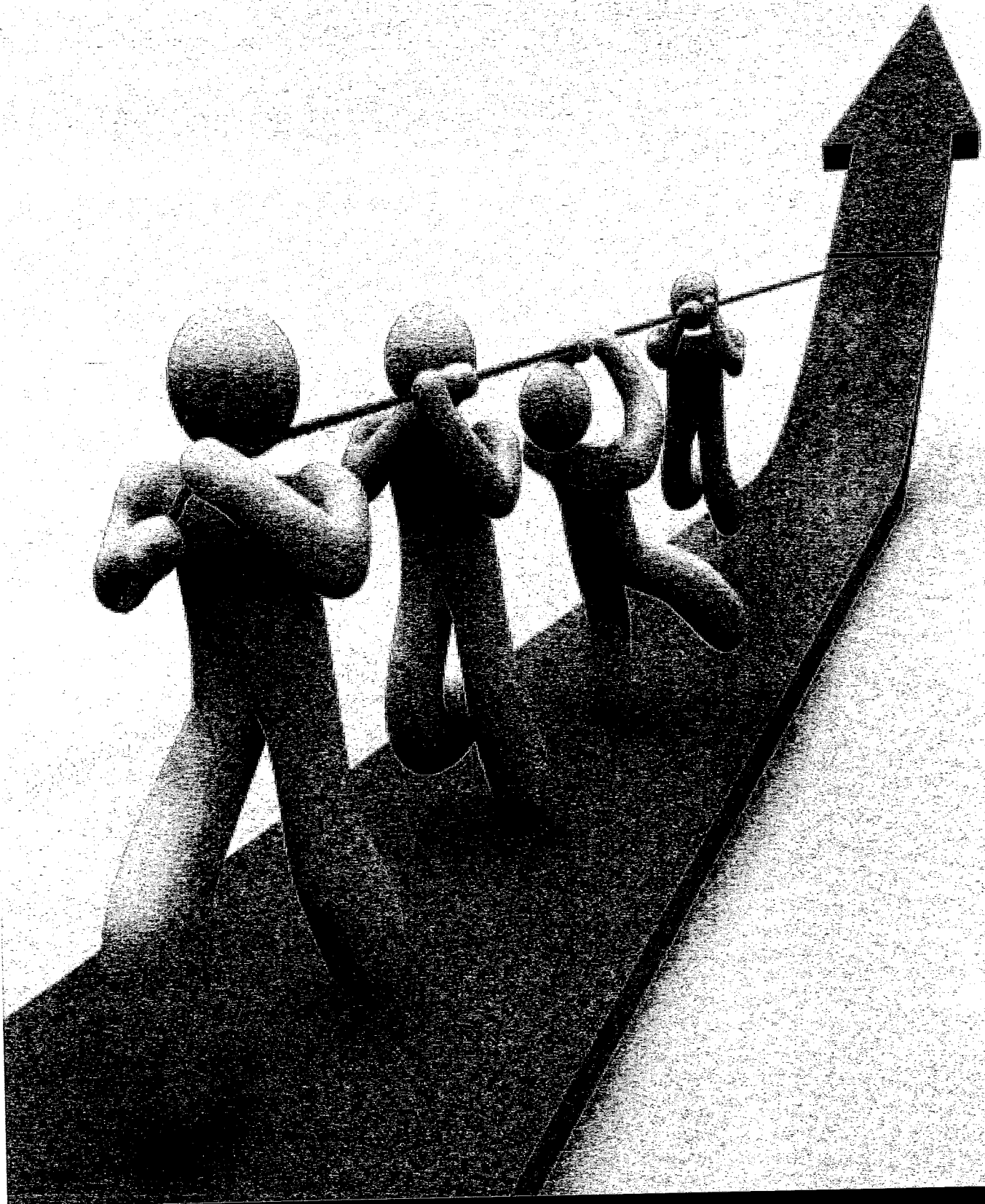
CONSOLIDATED LIST OF SHORT TERM GOALS COMPLIED FOR 2013-2016

Sl. No	Department	Goals Set	Goals Complied	Not Complied
1.	Civil	5	5	0
2.	Mechanical	6	6	0
3.	IEM	5	3	2
4.	EEE	6	6	0
5.	ECE	8	7	1
6.	CSE	5	5	0
7.	ISE	5	3	2
8.	TCE	9	7	2
9.	EIE	7	7	0
10.	ML	7	7	0
11.	Chemical	6	5	1
12.	BT	6	5	1
13.	AT	4	4	0
14.	MBA	6	5	1
15.	MCA	4	4	0
16.	Physics	2	2	0
17.	Chemistry	6	6	0
18.	Mathematics	4	4	0
	TOTAL	101	91	10

Departmental STG Compliance report for 2013-2016



STRATEGIC PLAN



**BMS COLLEGE OF ENGINEERING, BANGALORE – 560 019**

[Autonomous College under VTU]

LIST OF CANDIDATES SELECTED & APPOINTED - TEACHING**DEPARTMENT OF MECHANICAL ENGINEERING**

SNo	Name	Post	Remarks
1	Dr.Santhosh D	Asst. Prof	Reported

DEPARTMENT OF ELECTRONICS ENGINEERING

SNo	Name	Post	Remarks
1	Ms.Srividya G Kedlaya	Academic Intern	Reported

DEPARTMENT OF MEDICAL ELECTRONICS

SNo	Name	Post	Remarks
1	Dr.S.B.Bhanu Prashanth	Professor	Reported

DEPARTMENT OF ARCHITECTURE

SNo	Name	Post	Remarks
1	Ms.Ketki Tendolar	Asst. Prof	Reported

R & D CENTRE

SNo	Name	Post	Remarks
1	Dr.S.Seetharamu	Prof. & Research Scientist	Reported

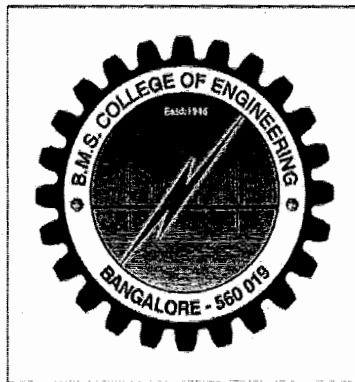
LIST OF CANDIDATES SELECTED & APPOINTED – NON-TEACHING

SNo	Name	Post	Dept.	Remarks
1	Sri.Nagaraj C	Asst. to PE Director	Sports	Reported
2	Smt.Shruthi K S	Phy. Edu. Instr.	Sports	Reported
3	Sri.Kiran Kumar D	Asst. Instructor	Civil	Reported
4	Sri.Nandeesh Kumar V J	Asst. Instructor	Civil	Reported
5	Sri.Ravichandra T H	Mechanic	Civil	Reported
6	Smt.Vanishree S	Asst. Instructor	Biotechnology	Reported
7	Sri.Mahesh K B	Mechanic	IEM	Reported
8	Sri.Venkatesh KC	Attender	Biotechnology	Reported
9	Sri.Kiran Kumar C	Attender	CHE	Reported
10	Sri.Praveen H Bagalkot	Site Engineer	Building	Reported
11	Sri.Umesh R	Asst. Instructor	Elns	Reported
12	Smt.Divyashree A	Research Asst.	R&D	Reported
13	Smt.Supriya S	Research Asst.	R&D	Reported
14	Sri.Anand Ghanigar	Placement Officer (MBA)	MBA	Reported

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TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

SEVENTEENTH MEETING OF THE SUB-COMMITTEE OF BOG



MINUTES

DATE : 23.02.2016

VENUE: BOARD ROOM



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

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

SEVENTEENTH MEETING | 23.02.2016 | SUB-COMMITTEE OF BOG | MINUTES

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TECHINICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II
SEVENTEENTH MEETING | 23.2.16 | SUB-COMMITTEE OF BOG | MINUTES

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. Gowrishankar, Nodal Officer - Academic Activities
4. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
5. Dr.M.S.Dharmaprakash, Nodal Officer-Procurement
6. Dr.Suresh Ramaswwamyreddy, Nodal Officer-Financial Aspects
7. Dr. K. Guruprasad , Nodal Officer - Equity Assurance Plan Implementation
8. Dr. C. Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
9. Dr. M. Indiramma, Co-ordinator-III
10. Dr. M. C. Sampath Kumar, Nodal Officer- CV & EM
11. Dr. M. Ramachandra, Principal Investigator & Co-ordinator, CoE
12. Dr.S.Srinivas, Principal Investigator, CoE
13. Dr.Chandashree Das, Principal Investigator, CoE
14. Dr.M.V.Murugendrappa, Principal Investigator, CoE

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

1. Ratification of Minutes of 15th & 16th meetings of BOG sub-committee by the BOG

The convenor of the sub-committee informed the members that the minutes of the fifteenth & sixteenth meetings of sub-committee are ratified by the BOG in its 60th meeting held on 2.9.15.

2. Action plan for utilization of the grants received under TEQIP-II (1.2):

The committee noted that BMSCE has received the last installment of Rs.150 lakhs out of the total grant of Rs.1250 lakhs sanctioned under TEQIP-II from the SPFU on 28.10.15 and that the college has submitted an action plan for utilization of balance amount out



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of Rs.1250 lakhs as on 31.1.16 to the SPFU. The committee took a note of the status of TEQIP II funds including the interest earned thereon. After detailed deliberations, the committee ratified the action plan [Annexure-1] and approved the re-appropriation of the funds (Rupees in lakhs) as noted below.

Sl. No.	Head of expenditure	Initial Project allocation (as per PIP)	Expenditure incurred upto 31.1.16	Re-appropriation of unspent grants as on 31.1.2016 & interest	Total Allocation
1	Procurement	562.50	528.95	33.55	562.5
2	Assistantship	250.00	258.81	20.52	279.33
3	Research Development	62.50	58.37	06.19	64.56
4	FSD	125.00	135.80	03.17	138.97
5	III Cell	62.50	59.36	04.65	64.01
6	Capacity Development	25.00	21.85	02.50	24.35
7	Reforms	12.50	9.42	00.95	10.37
8	Student Support	25.00	13.18	04.00	17.18
9	IOC	125.00	96.36	08.25	104.61
TOTAL Grants		1250.00			
Interest earned		15.88			
Grand Total		1265.88	1182.10	83.78	1265.88

The committee noted that out of 15 full time research scholars sanctioned with research assistantship, Smt. Sahana Rao (availed assistantship for 09 months) and Smt. Krithika (availed assistantship for 18 months) working under the guidance of Dr. Savithri Bhat, Associate Professor of Biotechnology have opted out of the scheme. The committee perused the letters submitted by the research scholars stating that they would continue without assistantship. The committee perused the progress reports of the said research scholars and found them to be identical. The Chairman desired to enquire the guide in this regard. As per the directions of the Principal, Dr. Savithri Bhat appeared before the committee. The committee questioned her about submission of identical progress reports by both of her students. Dr. Savithri Bhat informed the committee that the reports submitted contain only research methodology being adopted by both, hence the reports are same. The committee did not accept the explanation submitted by her and the Chairman of the sub-committee informed her that the reports cannot be identical and such actions amount to plagiarism. He also sought an explanation about the authenticity for the said research scholars carrying out their work at IAHVB, Bangalore and asked her for making proper documentation for the research being carried out at



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IAHVB. Dr. Savithri Bhat accepted to maintain the required documents and submitted that the materials used for their research are different, though the process is same. The Chairman of the committee perused the details of the papers published by them and directed her to pay attention, while forwarding the progress reports and also check for avoiding plagiarism. The committee agreed to her request and permitted re-submission of the reports by her students.

The committee perused the e-mail communication sent by Mr. M. B. Ujjwal (availed assistantship for 19 months) to his guide Dr. M. C. Sampathkumar, Professor of Civil Engineering and noted his wish to discontinue from the program. The committee also noted that Smt. Namitha Murugesh (availed assistantship for 17 months) registered under the guidance of Dr. Gowrishankar, Professor of ISE has discontinued to be full time research scholar from July 2014.

The committee perused the progress reports received with reference to the other research scholars. Further, the committee desired to form 'departmental doctoral committee' to review the progress of the research scholars registered and asked the TEQIP Co-ordinator to arrange for maintaining a separate file in respect of each research scholar, recording their periodical progress.

The committee noted that research assistantship to 14 scholars [excluding Smt. Namitha Murugesh] were disbursed till June 2015. Out of the eleven research scholars [awarded with assistantship during 2013-14] and seeking continuance of assistantship, the committee accorded approval to (a) award research assistantship to Mr. Shivakumar working under the guidance of Dr. M. S. Dharmaprakash, Professor of Chemistry with effect from 1st July 2015 under the Center of Excellence in Advanced Materials Research, as his research pertains to Advance materials and (b) Release research assistantship to the remaining ten research scholars from July 2015 onwards, till submission of PhD thesis or re-allocated funds under TEQIP II exhaust.

3. Sanction of additional grants :

The committee took a note of NPIU's communication dated 04.09.15 calling for a perspective action plan for providing additional grant to the tune of Rs.500 lakhs from 51 well performing institutions in the country and BMSCE is one among them. The committee also took a note of the action plan submitted to NPIU/SPFU [Annexure- 2] and ratified the same.

The committee also noted that the NPIU through its mail dated 28.12.15 has informed about the release of 50% of first instalment of additional funds i.e., Rs.125 lakhs to the state government with a direction to release the same to the college by providing matching grant of equal magnitude. The Committee further noted that based on the



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oral assurances received from the SPFU about release of additional grants, steps are initiated for implementation of action plan drawn for utilisation of additional grants.

The committee accorded approval for release of assistantship to the ten full time research scholars [Annexure - 3] with effect from 1.1.2016 or from the date of registration to PhD in the college whichever is later, on receipt of the additional grants and ascertaining that they are not in receipt of assistantship/financial assistance from any other source.

4. Good Governance Document:

The committee was happy to note that the Good Governance Document prepared as per the guidelines of NPIU and approved by the BOG in its 60th meeting was released by Mr. Toby Linden, Lead Education Specialist, World Bank in the gracious presence of Dr. B. S. Sonde - TEQIP Mentor, Dr. B. S. Ragini Narayan-Donor Trustee and Member Secretary, BMSET, Sri. Sachin Gupta- Consultant [Academic], NPIU, Sri. Manohar G. Nayak - OSD & State Project Coordinator for TEQIP, Sri. Srinath, Project Officer [Monitoring & Evaluation], SPFU on 19.11.15 in the college. The committee also noted that copies of the same are shared with all the TEQIP institutions of the country and all technical institutions of the state.

5. Disbursement of honorarium to the TEQIP II Team:

The committee noted that the coordinators & nodal officers in a meeting held on 20.1.16 under the chairmanship of the Principal, observed that the initial project period for TEQIP-II ends with the financial year 2015-16 and also resolved for discontinuance of the honorarium being paid to them with immediate effect. The Committee also noted that in the said meeting, it was recommended to continue the payment of honorarium to the staff of the college assisting TEQIP-II until 31st March 2016. Further, the committee appreciated the voluntary decision of the members and ratified the decision taken.

6. Internal Audit of TEQIP-II & COE accounts by the SPFU appointed Internal auditors:

The committee noted that Sri Sarang Kumar and Sri Arvind Kumar of M/s Agarwal A. Kumar & Associates, Chandigarh, Chartered Accountants nominated by SPFU have conducted the internal audit of TEQIP II and COE accounts on 31.12.2015 for the period from 1st April 2015 to 30th September 2015. The committee also took a note of the observations of the auditors for the period 1.9.2014 to 31.3.2015 and the response provided by the college [Annexure-4]. Further, the committee noted that the auditors expressed their satisfaction on the response provided and that the report on the current audit is awaited.



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7. ICT initiatives of the state government:

The committee noted that the SPFU conducted 'hands-on training for data entry on web based SPFU portal' to the ICT coordinators of the college Dr. H. S. Guruprasad, Dr. B. G. Prasad and Smt. Padmini, MIS data entry operator on 23.1.16 at Government Institute of Printing Technology. Dr. H. S. Guruprasad informed the members that the required data are being uploaded on the web portal.

8. Post Procurement Review of TEQIP-II procurements by the officers of SPFU:

The committee noted that Sri Raghunath M., Project Officer (Procurement) and Sri. Veernana C., Registrar of SPFU, Karnataka have conducted the post procurement review of procurement as on date, physical stock verification and utilisation of resources of both TEQIP-II & COE during Sept. 8th-11th, 2015 and January 6th - 8th, 2016 respectively and their report is awaited.

9. Post Procurement Review (PPR) of TEQIP-II & COE for 2015-16 by World Bank appointed auditors:

The committee noted that Post Procurement Review (PPR) for 2015-16 was conducted by M/s Global Procurement Consultants Limited on behalf of the World Bank on 27th October 2015 at NPIU, Noida, New Delhi and the following two procurement packages were randomly selected for review: (i) Procurement of Digital Repository [TEQIP-II/KA/KA2G04/217] and (ii) Procurement of Scanning Electron Microscope (SEM) [TEQIP-II/KA/KA2G04/216].

The committee took a note that Dr. M. S. Dharmaprakash, Procurement Nodal Officer and Sri. R. Balaji, Procurement manager represented the college. Dr. Dharmaprakash briefed the members that all the audit queries were responded to the satisfaction of the auditors, as such, no major deviation was noted and review reports are awaited. Further, he informed the committee that the auditors took a special note of safe and hassle free payment mode of the Letter of Credit (LC) used and High seas sales import clearance to utilize Customs duty and sales tax exemption in the procurement of SEM and appreciated the procedure adopted by the college.

10. Procurement of ANSYS 16.2 Academic Multiphysics Campus Solution:

The committee noted that the procurement of the 'ANSYS 16.2 Academic Multiphysics Campus Solution' as a central facility, approved by the BOG subcommittee through circulation is completed and payment of bill for Rs. 15 lakhs is in the process. The



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committee also noted that faculty members deputed by the departments have been trained.

11. Staff in the TEQIP Office

The committee noted that the services of Smt. Anitha Sreenath, office assistant at the TEQIP Office were terminated and she is relieved from the duties on the afternoon of 30.11.15.

12. Request for seeking support for the services of Dr. S. S. Murthy, as adviser

The committee took a note of the request submitted by Dr. Ravishankar Deekshit, HOD-EEE seeking financial assistance for the services of Dr. S. S. Murthy, Former Vice Chancellor, CUKG and former Director, NITK as an expert advisor for R & D activities of the department. After deliberations, the committee accorded approval to avail the services of Dr. S. S. Murthy with financial assistance as per the existing norms.

13. Student R & D proposal for Hexa Ardu Car Copter:

The committee perused the proposal submitted by the students of Mechanical Engineering, Mr. Karthik Kamsala, Mr. Abhisek K, Mr. Amit Joshi and Mr. M. Charan Kumar seeking financial assistance of about Rs. 42,000/- for their proposed project of building a prototype of hexa ardu car copter under the guidance of Dr. Rammohan Y. S. The committee after detailed deliberation accorded approval for sanction of financial assistance to the extent of Rs.42,000/-.

14. Financial support for SAE Baja Competitions:

The committee noted that a financial support of about Rs.92,000/- was sanctioned to four interdependent project proposals submitted by the interdisciplinary groups of students participating in building the working model of four wheeler, under student R & D projects. The committee also noted that the students have completed the building of the car and participated in national level SAE Baja competitions held at Indore. The committee ratified the financial assistance extended to the student projects.

15. Procurement under TEQIP-II additional grants :

The committee took a note of the communication from SPFU dated 9.2.2016 requesting the institutions to expedite the procurement process and complete it before 31st March 2016 for funds including additional grants to be released [Annexure-5].

The committee also noted that out of the initially approved 48 proposals seeking procurement of equipment worth Rs.360 lakhs, detailed specifications, addresses of the vendors etc., of equipment/software to be procured in respect of 15 proposals with a revised total estimate of Rs.145 lakhs is collected. The committee after detailed deliberations, accorded approval for continuing the procurement process for the list of



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items [Annexure - 6] i.e., call quotations, prepare comparative statements etc., and await the release of funds for placing purchase orders.

16. Progress of procurement under COE :

The committee noted the communication from NPIU & SPFU informing that if the institutions want to utilize 100% of fund allocation for procurement, they may add extra few packages limiting to 20% over and above maximum allocated fund for procurement [Annexure - 7]. In view of the latest guidelines, the committee noted that the institution can re-appropriate allocation of funds under procurement head upto a total of Rs.330 lakhs. It is also noted that the procurement of equipment to a tune of Rs.238.13 lakhs is complete and the XRD equipment received on campus on 18.12.15, is installed on 25.1.2016 and the disbursement of the bill for Rs.70.79 lakhs is in progress, amounting to a total expenditure of Rs.308.92 lakhs. After detailed deliberations, the committee accorded approval for following re-appropriation of funds (Rupees in lakhs).

Sl. No.	Head of expenditure	Allocation	Amount spent/ committed as on 31.1.16	Re-appropriated allocation
1	Procurement	275.00	308.92	320
2	Assistantships	50.00	18.96	50
3	R&D	50.00	5.14	40
4	Faculty & Staff Development	50.00	3.17	30
5	III Cells	25.00	0.96	10
6	IOC	50.00	25.21	50
	TOTAL	500.00	362.36	500

17. Award/continuance of Teaching Assistantship under Centre of Excellence[COE]

The committee noted that applications for the award/continuance of teaching assistantships [TA] under COE were called from the M. Tech. [Manufacturing Science] students. After scrutiny of the applications, teaching assistantship has been continued/renewed to 15 M. Tech. [Manufacturing Science] students admitted during 2014-15 [Annexure-8]. The committee approved and ratified the action taken.

The committee also accorded approval for award of teaching assistantship to the eligible 18 students admitted during 2015-16 [Annexure-9] and disburse the assistantship to the concerned, immediately after receiving the second instalment of grants for the COE.



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18. Enrollment of research assistants of COE for Ph.D. program

The committee noted that the three research assistants working under the Centre of Excellence namely Smt. Diptoshi Roy, Smt. Sutar Rani Ananda and Sri. Niranjan C.A., have registered for Ph.D. program under VTU during the academic year 2015-16 and approved continuance of research assistantship to the said research scholars.

19. Research and Analytical charges [Equipment user charges]

Dr. M. Ramachandra, Coordinator of the COE brought to the notice of the members that a few institutions/industries in the neighbourhood are seeking permission to use the equipment procured under COE for their research and testing purposes and also the expertise of the principal investigators. Further, Dr. M. Ramachandra submitted a proposal for fixing up user charges, based on the information available on the websites of other premier institutions, for extending similar facility. After detailed deliberations, the committee accorded approval for permitting the use of equipment by outsiders for research and testing purpose on collection of 'user charges for research and analytical purposes' as mentioned below:

Equipment	Industries	TEQIP Institutions	Others	BMSCE
Scanning Electron Microscope [SEM]	(a) Rs.3000/- per sample (b) Rs.4000/- per sample with EDS	(a) Rs.250/- per hour (b) Rs.400/- per hour with EDS	(a) Rs.400/- per hour (b)Rs.600/- per hour, with EDS	Free - with due certification from the Guide & HOD.
SEM + Gold Sputtering for biological and non-conducting samples	(a) Rs.3000/- per sample plus Rs.200/- per sample (b) Rs.4000/- per sample with EDS plus Rs.200/- per sample	(a)Rs.250/- per hour plus Rs.100/- per sample (b) Rs.400/- per hour with EDS plus Rs.100/- per sample	(a)Rs.400/- per hour plus Rs.100/- per sample (b)Rs.600/- per hour, with EDS plus Rs.100/- per sample	
SEM + Hot air oven for biological samples	(a) Rs.3000/- per sample plus Rs.50/- per sample (b) Rs.4000/- per sample with EDS plus Rs.50/- per sample	(a) Rs.250/- per hour plus Rs.50/- per sample (b) Rs.400/- per hour with EDS plus Rs.50/- per sample	a)Rs.400/- per hour plus Rs.100/- per sample (b)Rs.600/- per hour, with EDS plus Rs.50/- per sample	
Abrasive water jet cutting machine	Rs.4,000/- per hour	Rs.1,500/- per hour	Rs.2,500/- per hour	

The committee further accorded approval to treat the aforesaid charges collected as revenue of the college and remit the same to SB a/c No: 50092573175 (maintenance fund) being maintained under TEQIP II.



B.M.S.COLLEGE OF ENGINEERING, BENGALURU-560 019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II
SEVENTEENTH MEETING | 23.2.16 | SUB-COMMITTEE OF BOG | MINUTES


Further, the committee accorded approval to charge additional 30% of the 'user charges for research and analytical purposes' as expertise charges for the faculty involved, if any expert guidance is sought by the industry/individuals and disburse the same to the concerned.

20. Approval to the faculty/staff attending programs.

- (a) The committee took a note of the consolidated list of the approvals of the sub-committee received by circulation for deputing faculty/staff members to attend various programs & conducting programs under TEQIP II/COE [Annexure-10].
- (b) The committee also took a note of the consolidated list of approvals of the sub-committee received by circulation for deputing students/research scholars to attend various programs under TEQIP II/COE [Annexure- 11].
- (c) The committee took a note of the details of faculty/staff members seeking approval for conducting/attending various programs under TEQIP II/COE [Annexure-12] and accorded approval for the same.

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


DR. K. MALLIKHARJUNA BABU
PRINCIPAL and CONVENOR


Prof. D. THUKARAM
CHAIRMAN



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

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

SEVENTEENTH MEETING | 23.2.2016 | SUB-COMMITTEE OF BOG | MINUTES

ANNEXURES

Technical Education Quality Improvement Programme (TEQIP) Phase-II

Action Plan for unspent grants for the period from Feb 2016 to October 2016 [Sub Component L2]

[illegible]

99-2-16

H. N. S. C. L.
TEQIP Co-ordinator-I
BMSCE, Bangalore-19

Principal
S.M.S. College of Engineering
Bangalore - 19.

Action Plan for unspent grants for the period from Feb 2016 to October 2016 [Sub Component 1.2]

Activities	Sub-activities	Feb-16		Mar-16		Apr-16		May-16		Jun-16		Jul-16		Aug-16		Sep-16		Oct-16		TOTAL	
		Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)	Physical Target (No.)	Financial Estimate (Rs. in Lakhs)
Industry Institute Interactions	Collaborative academic programs initiated/undertaken with industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Short term workshops with industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Academic networking with industry/research institutions including industry experts to present and discuss	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
	Campus placements of graduates (pg & up)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity Development	Student Internships at industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Online construction of in-house project exhibition database	0	0	3	0.45	1	2	0	0	0	0	0	0	0	0	1	2	0	0	4	4.45
	Support training of senior faculty/non-teaching members in assessment capacity development	1	0.2	3	0.45	1	2	0	0	0	0	0	0	0	0	1	2	0	0	6	4.65
	Software	0	0	14	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2.5
Reforms	Fee for MBA accreditation	0	0	34	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	2.5
	Auditors / contractors engaged at improvement in quality of education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lab On curricula revision/restructuring	0	0	5	0.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.75
	Online construction of expert panel website	0	0	3	0.1	3	0.1	0	0	0	0	0	0	0	0	0	0	0	0	6	0.2
Academic support for weak	Software	0	0	8	0.85	3	0.1	0	0	0	0	0	0	0	0	0	0	0	0	11	0.95
	Support to academically weak students in engineering/math/science and 10th	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	2	4
	Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Software	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	2	4
Incremental operating cost	100		1		1		1		1		1		1		1		1		0	8.25	
	Grand Total		32.51		27.2		4.82		2.26		4.4		4.72		3.29		0.75		0.75		1.29

Note: The above action plan is drawn for the balance of grants available as on 31.1.16 including the interest earned on the grants.

20.2.16

G.N. Sekhar
TEQIP Co-ordinator I
 BMSCE, Bangalore-19

[Signature]
Principal
 B.M.S. College of Engineering
 Bangalore - 19.

Technical Education Quality Improvement Programme (TEQIP) Phase-II
Action Plan for Additional grants for the period from October 2015 to October 2016

Annexure-2


Name of the state: KARNATAKA													
Name of the institution: B.M.S.College of Engineering, Bangalore-19													
Sub-component: 1.2													
Activities	Sub-Activities	I QUARTER (Oct-Dec 15)		II QUARTER (Jan-March 2016)		III QUARTER (Apr-June 2016)		IV QUARTER (July-Sept 2016)		Oct-16		TOTAL	
		Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs.in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs.in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs.in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs.in Lakhs)
Procurement /Acquiring e-journals and software	ICT enabled learning, related softwares & hardware	0	0	1	10		10		10		7	1	37
	New laboratory for new PG programs	0	0	0	0	1	9.38	0	0	0	0	1	9.38
	New laboratory for existing PG programs	20	100	12	50	1	6.75	0	0	0	0	33	156.75
	Library i.e. books, e-books, journals, e-journals course specific softwares	0	0	0	0	3	20	0	0	0	0	3	20
	membership of online journals & consortium	0	0	0	0	0	0	0	0	0	0	0	0
	Digital/Virtual learning	0	0	0	0	0	0	0	0	0	0	0	0
	Equipments for institutional TEQIP unit	0	0	2	1	2	0.87	0	0	0	0	4	1.87
	Civil Work	0	0	0	0	0	0	0	0	0	0	0	0
	Sub-total	20	100	15	61	7	47	0	10	0	7	42	225
Assistantships	Masters students enrolled with TEQIP teaching assistantship	80	19.2	0	19.2	0	19.2	0	6.4	0	0	80	64
	PhD students enrolled with TEQIP research assistantship	17	9.18	0	9.18	0	9.18	0	9.18	0	0	17	36.72
	Sub-total	97	28.38	0	28.38	0	28.38	0	15.58	0	0	97	100.72
R&D	Research projects taken by UG /PG students	30	3	0	0	15	1.5	35	4.5	0	0	80	9
	Seed grants for research by faculty	3	9	0	0	0	0	0	0	0	0	3	9
	Research publications in engineering in refereed journals	4	0.2	0	0	0	0	2	0.15	0	0	6	0.35
	Organising conferences on R&D topics	0	0	1	5	0	0	0	0	0	0	1	5
	Patenting of technologies	1	0.4	1	0.4	1	0.4	0	0	0	0	3	1.2
	Others-honorarium to expert	0	0	0	0	3	0.45	0	0	0	0	3	0.45
	Sub-total	38	12.6	2	5.4	19	2.35	37	4.65	0	0	96	25
FSD	Enrollment of faculty with BTech for MTech degree	0	0	0	0	0	0	0	0	0	0	0	0
	Enrollment of faculty with MTech for PhD degree	10	5	0	0	0	0	0	0	10	5	20	10
	Faculty training in subject domain	10	3	8	2	10	2	5	2.5	0	0	33	9.5
	Faculty training in pedagogy	10	2	0	0	10	2	10	3	0	0	30	7
	Organising inhouse training workshops in teaching/research subjects	4	4	1	2	4	4	1	2	0	0	10	12
	Participation of faculty in outstation seminar/ conferences/ workshop etc	8	1.5	15	3	0	0	15	3	10	2	48	9.5
	Training/Development of technical/support staff	0	0	10	1	10	1	0	0	0	0	20	2
	Sub-total	42	15.5	34	8	34	9	31	10.5	20	7	161	50


(Signature)
TEQIP Co-ordinator

(Signature)
Principal

Action Plan for Additional grants for the period from October 2015 to October 2016

Name of the state: KARNATAKA													
Name of the Institution: B.M.S.College of Engineering, Bangalore-19													
Sub-component: 1.2													
Activities	Sub-Activities	I QUARTER (Oct-Dec 15)		II QUARTER (Jan-March 2016)		III QUARTER (Apr-June 2016)		IV QUARTER (July-Sept 2016)		Oct-16		TOTAL	
		Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)	Physical Target (Nos.)	Financial Estimate (Rs. in Lakhs)
Industry Institute Interactions	Collaborative academic programs: BTech/MTech/PhD with Industry	0	0	0	0	0	0	0	0	0	0	0	0
	Short term workshops with Industry (programmes)	3	4	0	0	2	3	0	0	0	0	5	7
	Academic networking with industry/research institutions including industry-exposure to teachers and students	0	0	5	0.5	5	1.5	1	5	0	0	11	7
	Campus placements of graduates (UG & PG)	10	1	0	0	20	2	25	2	0	0	55	5
	Students Internship at Industry	0	0	0	0	10	0.15	10	0.15	0	0	20	0.3
	Joint activities with industry	1	1	1	1	2	1	1	1.98	0	0	5	4.98
	Sub-total	14	6	6	1.5	39	7.65	37	9.13	0	0	96	24.28
Capacity development	Exposure/Training of senior teaching/non-teaching members in management capacity development	5	2	12	4	0	0	8	4	0	0	25	10
	Sub-total	5	2	12	4	0	0	8	4	0	0	25	10
Reforms	Fee for NBA accreditation	2	3	0	0	0	0	0	0	0	0	2	3
	Activities / Innovations aiming at improvement in quality of education	0	0	0	0	0	0	0	0	0	0	0	0
	Others: conduction of expert/guest lectures	10	0.5	10	0.5	10	0.5	10	0.5	0	0	40	2
	Sub-total	12	3.5	10	0.5	10	0.5	10	0.5	0	0	42	5
Support to students needs	Support to academically weak students to enhancement their knowledge and skills (programmes)	0	0	0	0	0	0	300	8	0	0	300	8
	Others - bridge course (students)	0	0	0	0	0	0	2	2	0	0	2	2
	Sub-total	0	0	0	0	0	0	302	10	0	0	302	10
Incremental operating cost	IOC		12		12		12		12		2		50
GRAND TOTAL		228	179.98	79	120.78	109	106.88	425	76.36	20	16	861	500


F. N. Sakthi
TEQIP Co-ordinator-I
BMSCE, Bangalore-19.


Principal
B.M.S. College of Engineering
Bangalore - 19

Providing additional grants to well performing Institutions.

Inbox x

spfu

9/5/15

karnataka <spfukarnataka@gmail.com>

to Ramachandra, BEC, Mallikharjuna, me, principal, TC, Manju, CHANDRASAGAR, PDA, PDA, principal, viceprincipal, Bangalore, N, Mohan, NIE, NIE, National, NMAMI T, NMAMIT, Bangalore, Shreekanth, Shakeeb, SJCE, Prasad

To,
The Principals

Sir,

Sub: Providing additional grants to well performing Institutions.

The NPIU after going through the eligibility criteria of well performing institutions as identified 09 TEQIP institutions in Karnataka as qualified for additional funding as on 20th July 2015. The eligible institutions will be given additional grants of Rs. 05 Crores to Government and Government funded institutions and Rs. 02 Crores to private unaided institutions, subject to final approval by MHRD. These institutions have to prepare a clear cut road map with deliverable and timeline drawn up to October 2016 for achieving desirable outcomes.

In this regard, the principals of the 09 institutions are requested to furnish a perspective action plan for judicious usage of additional funds in the proforma enclosed. It is to be noted that the additional funds are to be used in the same proportion as defined in the PIP document focusing on Research and developmental activities, patents and industry academia collaboration.

"The proposal for additional funds is to be submitted to NPIU by SPFU latest by 10th September 2015. Therefore Principals are requested to submit the proposal as per the enclosed proforma on or before 8th September 2015."

The list of Institutions selected for additional grants is enclosed. However additional funds can also be provided to other well performing Institutions as and when they meet the eligibility criteria before 31st December 2015. **"Therefore the Principals of the Non-selected Institutions are requested to make all efforts to accomplish the eligibility criteria so as to become eligible for seeking additional grants."** The letter received from NPIU along with the proforma of action plan for the period October 2015 to October 2016 is enclosed for immediate compliance by selected institutions.

Please note that the institutions selected for additional grants are requested to submit the action plan on or before 8th September 2015 without fail.

With regards,

Manohar G Nayak
Officer on Special Duty,
State Project Coordinator,
SPFU Karnataka,
Technical Education Quality Improvement Programme (TEQIP),
(A World Bank Assisted Project)
Directorate of Technical Education,
Bangalore 560 001

----- Forwarded message -----

From: **NPIU** <npiuqt@yahoo.co.in>

Date: Fri, Sep 4, 2015 at 3:42 PM

Subject: TEQIP-II : Action Plan for the period October 2015 - October 2016.

To: damodar_online@yahoo.com, svecp@vidyanikethan.edu,

Svec_principal2005@yahoo.com, mitsprincipal@gmail.com, principal@mits.ac.in,

teqipcell@mits.ac.in, principal@gvpce.ac.in, sairammvs3@gvpce.ac.in,

gutta39@yahoo.com, gsr@vrsiddhartha.ac.in, pvsubbaiah@vrsiddhartha.ac.in,

commr_te@ap.gov.in, commr_te@yahoo.com, spfuap@gmail.com,

hotalawar@yahoo.co.in, hotalawar@yahoo.com, spfukarnataka@gmail.com,

mgn_204@yahoo.co.in, pg_tewari@bvb.edu, tqcoord@bvb.edu,

principal@nmit.ac.in, karsetty@hotmail.com, drkmbabu@gmail.com,

principal@bmsce.ac.in, viceprincipal@bmsce.ac.in, ravibmsce@yahoo.com,

ravi.mech@bmsce.ac.in, director@sit.ac.in, principal@sit.ac.in,

mnc_sit@hotmail.com, dineshsv2004@yahoo.com, teqip@sit.ac.in,

kak_ssit@rediffmail.com, a.mehatha@gmail.com, bg.bgsangam@yahoo.com,

prasad_s_k@hotmail.com

Cc: Tripti Gurha - MHRD - India <triptigurha@rediffmail.com>, Rita Goyal

<rita.goyal.teqip@gmail.com>

Dear Sir,

Under TEQIP-II, the proposal for providing additional grant to the tune of Rs. 5.00 cr to well performing centrally funded, State Govt. funded/aided institutions and Rs. 2.00 Cr to Private unaided institutions is under consideration by MHRD.

Based on the pre-defined eligibility criteria (Annex-I), 51 well performing institutions qualified for additional funding as on 20th July 2015. The list is attached as Annex-II.

The provision for additional funds can be made if approved by MHRD, subject to the condition that a clear cut road map with deliverables and time line be drawn up by all the 51 institutions for achieving the desirable outcomes upto October 2016.

In this regard, the 51 institutions are requested to furnish a perspective Action Plan on an efficient and judicious usage of the additional funds in the enclosed Performa (Annex-III *) as per the category of the institution. The additional funds are to be used up by the institutions as per proportions defined in PIP. Institutions should focus on R & D activities, Patents and Industry Academia Collaboration – proper tracking mechanism should be in place to measure the performance of the institution by SPFU.

The proposal for additional fund requirement may be submitted to the NPIU by email/speed post before 10th September 2015 positively.

In addition, if your autonomy has expired, you are requested to send a proof of your application applying for extension of Autonomy to UGC. All the aforesaid institutions (excluding CFIs and State Universities) are mandatorily required to submit proof for exercising the autonomy in your institutions for academic year 2015-2016.

It may kindly be noted that additional fund can also be provided to other well performing institutions as and when they meet the eligibility criteria before 31st December 2015, subject to the availability of funds.

With regards,

(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 : npiuwbt@hotmail.com

Web : www.npiu.nic.in

Encls : As above

Copy : (i) DTEs/SPAs/Coordinators – SPFUs
(ii) TEQIP Coordinators – Institutions
(iii) Director (TC), MHRD, New Delhi

PS: *Please send the Annex –III in excel format only.

Eligibility Criteria for well performing Institutions

The well performing institutions are those which have accomplished the following:-

- **All 10 performance standards have been met**
 - i. *Autonomy (obtained or applied to UGC with no objection from University and State government),*
 - ii. *MoM of BoG (last 4 Months) published on institution's website (Yes/No) ,*
 - iii. *NBA Accreditation (% accredited + applied for) ($\geq 55\%$ = Yes) ,*
 - iv. *Statutory Audit (2013-14) (Yes/No) ,*
 - v. *Timeline for completion of governance development plan and/or institutional governance guidelines, approved by governing body and published on institution's website,*
 - vi. *Revised IDP published on institution's website,*
 - vii. *Completion of all data input into the MIS,*
 - viii. *Procurement Plan to cover 100% procurement expenditure (Yes/No),*
 - ix. *% of Expenditure against total funds received ($\geq 50\%$ = Yes),*
 - x. *% of Expenditure + Committed expenditure against Total funds received (100% = Yes).*
- **Have autonomy from UGC**
- **Can document expenditure at least 65% of their total initial allocation**

B.M.S.COLLEGE OF ENGINEERING, BENGALURU-19

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-II

**LIST OF FULL TIME RESEARCH SCHOLARS APPROVED FOR THE
AWARD OF RESEARCH ASSISTANTSHIP WITH EFFECT FROM 1.1.2016
OR FROM THE DATE OF REGISTRATION TO PHD IN THE COLLEGE
WHICHEVER IS LATER**

SI No	Names of the Research Scholars	Department
1	Jyothi P Phatak	Electrical & Elns Engg
2	Balaji Prabhu B V	Information Science & Engg
3	Ajay N	Civil Engineering
4	Sharad S	Biotechnology
5	Renu Pai	Biotechnology
6	Ashwini A Shahadani	Biotechnology
7	Shruti Jnaneshwar Mirajakar	Chemisty
8	Madhuri P Rao	Chemistry
9	Shankru K Guggari	Computer Science & Engg
10	Sudha B G	Computer Science & Engg

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

RESPONSE TO THE OBSERVATIONS MADE BY THE INTERNAL AUDITORS

Sl. No	Part-point no.	Details of observations	Response												
1	PART D-1 & F-1	<p>CHECKING OF PROCUREMENT SYSTEM</p> <table border="1"> <thead> <tr> <th>DATE</th><th>Vr. No.</th><th>AMOUNT (Rs)</th><th>Observations</th></tr> </thead> <tbody> <tr> <td>31.03.15</td><td>95</td><td>58866.00</td><td>Amount paid to Navnit Motors Pvt. Ltd. for spare parts. Quotations not invited.</td></tr> <tr> <td>31.03.15</td><td>987</td><td>46219.00</td><td>Amount paid to Viper Hobbies for spare parts. Quotations not invited.</td></tr> </tbody> </table>	DATE	Vr. No.	AMOUNT (Rs)	Observations	31.03.15	95	58866.00	Amount paid to Navnit Motors Pvt. Ltd. for spare parts. Quotations not invited.	31.03.15	987	46219.00	Amount paid to Viper Hobbies for spare parts. Quotations not invited.	<p>Journal No 95:</p> <p>The consumables/parts/items procured by the students were of specific make that suit their requirement in design and fabrication of their product proposed to be presented in the global event, 'SAE eBAJA India Competition'. The price list of the specific make is transparent and is available on the net, hence comparison of quotes did not happen. M/s Navnit Motors Pvt. Ltd., is the only authorized dealer in the vicinity of the college from whom the said items were procured. Further, the HOD and the faculty advisor of the research activity has duly justified the said purchase [letter enclosed] and has been met out of the advance drawn by the HOD.</p> <p>Voucher No. 987:</p> <p>The items procured are as per the specifications provided by the organizers of the conclave, hence the students did not have a choice on the make of the items and procurement has been done from M/s VIPER HOBBIES Ltd. that supplies the SFI graded safety equipment and hence comparative statement quotes is not made.</p>
DATE	Vr. No.	AMOUNT (Rs)	Observations												
31.03.15	95	58866.00	Amount paid to Navnit Motors Pvt. Ltd. for spare parts. Quotations not invited.												
31.03.15	987	46219.00	Amount paid to Viper Hobbies for spare parts. Quotations not invited.												
2	PART D-2 & F-2	<p>CHECKING OF TDS RECORDS</p> <table border="1"> <thead> <tr> <th>DATE</th><th>Vr. No.</th><th>AMOUNT (Rs)</th><th>Observations</th></tr> </thead> <tbody> <tr> <td>02.01.15</td><td>723</td><td>56000.00</td><td>Amount paid to Xlect intellectual property solution Pvt. Ltd. For Patent filing. TDS not deducted as required under Income Tax Act.</td></tr> </tbody> </table>	DATE	Vr. No.	AMOUNT (Rs)	Observations	02.01.15	723	56000.00	Amount paid to Xlect intellectual property solution Pvt. Ltd. For Patent filing. TDS not deducted as required under Income Tax Act.	<p>The amount of Rs.56,000/-, paid to M/s Xlect Intellectual Property solutions LLP is towards the patent filing i.e. for payment of fee, as prescribed by the government, to INTELLECTUAL PROPERTY INDIA.</p> <p>However, it should be noted that the TDS is deducted from the amount paid to M/s Xlect Intellectual Property solutions LLP towards 'patent drafting charges' from out of college funds. A copy of the voucher showing the TDS made is herewith attached for kind perusal.</p>				
DATE	Vr. No.	AMOUNT (Rs)	Observations												
02.01.15	723	56000.00	Amount paid to Xlect intellectual property solution Pvt. Ltd. For Patent filing. TDS not deducted as required under Income Tax Act.												

G. N. Sekhar
 TEQIP Co-ordinator-I
 BMSCE, Bangalore-19.

Principal
 B.M.S. College of Engineering
 Bangalore - 19.

GOVERNMENT OF KARNATAKA
Department of Technical Education
STATE PROJECT FACILITATION UNIT (TEQIP)

Tel: 080 2237 0034

Fax:

Email: spfukarnataka@gmail.com

Directorate of Technical Education

4th Floor, Palace Road.

Bangalore – 560 001.

DTE/TEQIP/PRO/CR-19/2012-13

09.02.2016

To

The Principals of TEQIP Institutions,

Dear Sir,

Sub: - Extension of Manual Procurement till 31st March 2016.

Ref :- Review Meeting held on 8th February 2016 held by NPIU/MHRD at New Delhi.

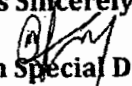
With reference to the above, it was resolved in the review meeting of all the State Project Institutions held on 8th February at Shastri Bhavan, MHRD, New Delhi under Chairmanship of Additional Secretary for Higher Education, MHRD, Government of India, that all Procurements should be completed on or before 31st March 2016, manually (or through PMSS if available).

Therefore, the Principals are requested to expedite the procurement process not exceeding the upper ceiling of maximum procurement fund allocation including additional fund released or to be released, if any.

The Procurement Plan may be prepared with prior approval of BOG at earliest for initiating procurements as and when the fund is released.

Thanking you,

Yours Sincerely


**Officer on Special Duty/
State Project Coordinator
SPFU Karnataka**

BMS College of Engineering, Bangalore 560019

Technical Education Quality Improvement Programme Phase II (TEQIP II)

List of Proposals approved for procuring under TEQIP-II Additional Grants

Sl No	Package Code	Equipment Details	Department	Name of the Investigator	Designation	Contact Details	Estimated Cost in INR Lakhs
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1	BM/CV/RD/230	Acoustic Emission (AE) Data Acquisition System	Civil Engineering	Dr S Muralidhara	Professor	9845942068	24
Total							24

2	BM/ME/RD/231	Turbocharger 5 KW IC Engine & Air Compressor	Mechanical Engineering	Dr.J Sharana Basavaraja	Associate Professor	9449825796	4.15
3	BM/ME/RD/232	Fabrication of Torsional Test Rig		H.K.Rangavittal	Associate Professor	9481452552	4.50
4	BM/ME/RD/233	Fretting Fatigue Fixture		Dr. Rammohan Y.S.	Associate Professor	9844219984	7.75
5	BM/ME/RD/234	Fretting corrosion characterization setup		Dr. M G Patil	Associate Professor	9756050020	7.50
6	BM/ME/RD/235	Electrodynamic Vibrator		Tataram K Chavan	Assistant Professor	9448521968	8.48
7	BM/ME/RD/236	Bipolar Pulse Rectifier, Temp Controlled bath & pull addition tester		Dr G Giridhar	Professor	9448968364	8.30
8	BM/ME/RD/237	High Speed Camera		Dr. Rudra Naik	Associate Professor	9449611692	7.00
9	BM/ME/RD/238	Solar Thermal Storage System		Devaraj K	Assistant Professor	9686687937	5.70
Total							53

BMS College of Engineering, Bangalore 560019
Technical Education Quality Improvement Programme Phase II (TEQIP II)

List of Proposals approved for procuring under TEQIP-II Additional Grants

SI No	Package Code	*Equipment Details	Department	Name of the Investigator	Designation	Contact Details	Estimated Cost in INR Lakhs
10	BM/EEE/RD/239	Microvent Turbine Test Rig	Electrical & Electronics Engineering	Dr. Lakshminarayana.C	Professor	9845568122	6.09
11	BM/EEE/RD/240	Five KWP Solar Power System		Dr. P.Meena	Associate Professor	9008658263	6.00
Total							12
12	BM/CSE/RD/241	Infrared Camera	Computer Science Engineering	Dr. Umadevi V	Associate Professor	8762742909	11.00
Total							11
13	BM/BT/RD/242	Fast Performance Liquid Chromography	Biotechnology	Ashok Kumar S	Assistant Professor	9840961083	19.55
Total							20
14	BM/CH/RD/243	Analytical HPLC	Chemistry	Dr. Madhu G	Assistant Professor	9900431832	11.00
15	BM/CH/RD/244	Polarising Optical Microscope & Thermal Heating Stage	Chemistry - R & D	Dr.Gurumurthy Hegde	Associate Professor	8762520397	13.50
Total							25
Grand total in lakhs							145

Grand total in lakhs

145

Deadline for completion of procurement activities under sub-components 1.1,1.2 & 1.2.1.

Inbox x

Spfu karnataka <spfukarnataka@gmail.com>

9/22/15

to Bangalore, B.M.Rajaprakash, thrivenijgowda, BMS, drkmbabu, me, BMS, BMS, D harmaprakash, msd.chem, sampath, mcsk.civ, Puttaswamy, puttaswamyct.c., MCE, MCE, nsj, NIE, NIE, NIE, National, kumar_nie, principal, Shakeeb, Prasād

To,

The Principals,
TEQIP Institutions.

Dear Sir,

Sub: Deadline for completion of procurement activities under
sub-components 1.1,1.2 & 1.2.1.

Ref: NPIU email no: nil, dated: 22nd September 2015.

With reference to the above, NPIU has communicated to SPFU that as per the resolution of 5th JRM all the 19 State Project Institutions participating under sub components 1.1,1.2&1.2.1 (CoE) are required to complete their procurement activities through PMSS as per procurement plan on or before 31st December 2015.

If the Institutions want to utilize 100% of fund allocation for procurement, they may add extra few packages limiting to 20% over and above maximum allocated fund for procurement.

If the Institutions do not want to utilize the maximum allocated fund for procurement, the remaining amount may be re-appropriated for academic activities.

For any further clarifications the institutions are requested to contact Project Officer (Procurement), SPFU.

With regards,

Manohar G Nayak
Officer on Special Duty,
State Project Coordinator,
SPFU Karnataka,
Technical Education Quality Improvement Programme (TEQIP),
(A World Bank Assisted Project)
Directorate of Technical Education,
Bangalore 560 001

Swatch Bharath | Print only if necessary | Save Trees
Attachments area

From: **N P I U** <npiuqt@yahoo.co.in>
Date: Tue, Sep 22, 2015 at 10:48 AM
Subject: Completion dates for procurement activities..reg

Sir,

During the 5th Joint review mission (JRM) with World Bank and MHRD it was decided to complete all procurement activities carried out by Project Institutions by 31st December, 2015.

In this regard, it is requested that all the procurement of Goods and Works being carried out by institutions under subcomponent 1.1 and 1.2 including Centre of Excellence (CoE) should be finished by 31st December, 2015.

It is also recommended that institutes should plan 20% additional procurement to take care of materialization factor of the allotted funds for procurement only.

Please comply with the above stipulated conditions of World Bank.

Regarding additional release of funds for the performing institution, the matter is under consideration of MHRD.

With regards,

Yours faithfully,

(Rupali Jha)

Associate Consultant

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 : npiuw@b@hotmail.com
Web : www.npiu.nic.in

Copy to : (i) Director (TC) MHRD, New Delhi
(ii) Mr Toby Linden, Lead Education Specialist, The World Bank
(iii) Mr Satya Panda, Procurement Specialist, The World Bank

BMS COLLEGE OF ENGINEERING, BANGALORE-560019
[Autonomous College under VTU]
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-II [1.2.1]
CENTRE OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH

List of SECOND year M. Tech. [Manufacturing Science & Engineering] students awarded with Teaching Assistantship of Rs.8, 000/-pm

SL.NO	NAME OF THE STUDENT
1	VARUN SHREEDHAR CHITNIS
2	KANUGOVI RITHUSHA
3	SUDHEERA
4	VIJAYAKUMAR.M.R
5	SUPRIYA.S.B
6	NAVANEETH.P.O
7	CHETHAN SIMHA.H.N
8	VINOD LAXMAN HATTALLI
9	SHOAIB NADEEM.S.K
10	MOHAMMED ZAINUL AABIDEEN
11	NITIN.J
12	SHARATH SHEKAR.H.S
13	NIKHIL KAGALKAR
14	VARUN.S
15	MORUMPALLE SAI SAHITH

BMS COLLEGE OF ENGINEERING, BANGALURU-560 019
[Autonomous College under VTU]
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-II [1.2.1]
CENTRE OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH

List of FIRST year M. Tech. [Manufacturing Science & Engineering] approved for the award of Teaching Assistantship of Rs.8,000/- pm during the academic year 2015-16

Sl. No.	NAME OF THE STUDENT
1	PRAVEEN
2	MOHAMMAD ISMAIL
3	NANDHA KUMAR M.
4	NITHISH R RAO
5	CHETHAN C. L.
6	B .S. SACHIN
7	PRASANN NILAYA GOUDAR
8	SUHAS M BHASME
9	CHAITRA P. L
10	MANJUNATH C.
11	THIPPESH L.
12	AKASH B.
13	AKASH S.
14	PRADEEP R.H.
15	PAVAN K .S
16	RAGHAVENDRA Y RATNAGIRI
17	ABU THAHIR
18	DILIP B

DETAILS OF DEPUTATION OF FACULTY/STAFF MEMBERS TO THE PROGRAMS OUTSIDE THE COLLEGE THAT WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

Sl. No.	Name of the Faculty, Designation & Dept.	Details of Program	Place	Workshop/ Conf. Dates	Amount (Rs)
01.	Sri. V.S. Mudakappanavar Assistant Professor Mechanical Engineering	Workshop on Thermal analysis of Materials using DSC,DTA,TG & Dilatometer	IIT, Hyderabad	July 23-25, 2015	9,700/-
02.	Sri. Prabhu Swamy.N.R Assistant Professor Mechanical Engineering				9,700/-
03.	Sri. Tataram K Chavan Assistant Professor Mechanical Engineering				9,700/-
04.	Sri. Soumen Panda Assistant Professor Chemical Engineering				9,700/-
05.	Dr K.L. Nagashree Assistant Professor Chemistry	National Symposium on Electro Chemical Science & Technology	IISC, Bengaluru	July 24-25, 2015	3,150/-
06.	Smt. N. Jeyanthi Assistant Instructor Biotechnology	Short term training on General Microbial Biotechnology	Azyme Biosciences, Bengaluru	July 25 to August 05, 2015	6,000/-
07.	Sri. J. Reddy Naik Assistant Professor Industrial Engineering Management	Five days certificate Course on Six Sigma Green Belt Programme	MSME Development Institute, Bengaluru	July 25-26, & August 01-02, 2015	8,700/-
08.	Smt. Disha M Nayak Assistant Professor Industrial Engineering Management				8,700/-
09.	Dr. M.B. Veena Associate Professor Electronics and Communication Engineering	One Week National workshop on "Current Trends in Digital Image Processing Techniques and Applications"	NIE, Mysore	July 27-31, 2015	5,300/-
10.	Smt. S. Lalitha Associate Professor Electronics and Communication Engineering				5,300/-
11.	Dr Rathanraj. K.J Professor & HOD Industrial Engineering Management	Management Capacity Enhancement Training Programme	IIM , Lucknow	July 27-31, 2015	19,000/-
12.	Dr. S. Girish Professor Civil Engineering				19,000/-
13.	Dr. Veena Jawali Professor Mathematics	Two days' workshop on "Statistical and Numerical Trends in Engineering"	BIT, Bengaluru	July 29-30, 2015	500/-
14.	Dr. H.Y. Shrivalli Professor Mathematics				500/-

15.	Dr. Santhosh R Desai Assistant Professor Electronics & Instrumentation	School on Systems and Control	IIT, Kanpur	August 04-09, 2015	16,000/-
16.	Sri. B. Venkatesh Assistant Professor Electronics & Electrical Engineering				15,000/-
17.	Smt. G.S. Rekha Assistant Professor Computer Science & Engineering	Faculty Enablement Program on Big Data and Analytics	Infosys Limited, Bangalore	August 10-14, 2015	900/-
18.	Smt .R. Harshitha Assistant Professor Computer Science & Engineering				900/-
19.	Dr. C. Lakshminarayana Professor, Electrical and Electronics Engineering	International symposium on Advances in Power Distribution Engineering: Disturbed Generation, Micro- Grid and Renewable Integration	NIE, Mysore	August 28-29, 2015	3,070/-
20.	Smt. Ambika. G. Dath Assistant Professor Electrical and Electronics Engineering	Michael Faraday IET International Summit (MFIIS-2015)	The Institution of Engineering and Technology, Kolkata	September 12-13, 2015	10,861/-
21.	Smt. S. Divya Assistant Professor Electrical and Electronics Engineering				10,861/-
22.	Sri. Anil Venkatesh Audio Visual Technician Principal Office	High End Editing Course	Reliance aims VFX and Animation Academy, Bengaluru	September 01, 2015 to February 29, 2016	35,528/-
23.	Sri. H.S. Gururaja Assistant Professor Information Science & Engineering	Deep Dive Faculty Enablement program on Mobile Application Development using Android and Phone Gap	NMAM Institute of technology, Nitte	September 07-11, 2015	6,900/-
24.	Dr. C. Lakshminarayan Professor Electrical & Electronics Engineering	Two days' workshop on Renewable Energy Technologies and its Applications	BMSIT, Bengaluru	September 10-11, 2015	1,580/-
25.	Dr. Y.S. Ram Mohan Associate Professor Mechanical Engineering				1,580/-

26.	Dr. J.S. Sharana Basavaraja Associate Professor Mechanical Engineering	Two days' workshop on Renewable Energy Technologies and its Applications	BMSIT, Bengaluru	September 10-11, 2015	2,420/-
27.	Dr. Jayanthi K Murthy Associate Professor Electronics & Communication Engineering	A short hands-on training course on "Internet of Things"	IISC, Bengaluru	September 10-11, 2015	3,200/-
28.	Dr. G.N. Sekhar Vice Principal & TEQIP Coordinator-I	Leadership Development Programme	National University Singapore and IIM, Raipur	September 26 to October 02, 2015	50,000/-
29.	Dr. L. Ravi Kumar Professor & HOD Mechanical Engineering & TEQIP Coordinator-II				50,000/-
30.	Dr. K Mallikharjuna Babu Principal	DST-FIST grant proposal presentation	KIIT University Bhubaneswar	September 27, 2015	15,712/-
31.	Dr. H.N. Suma Professor & HOD Medical Electronics				18,248/-
32.	Sri. Appaji. M. Abhishek Assistant Professor Medical Electronics				5,357/-
33.	Sri. R. Shiva Kumar Assistant Professor Chemical Engineering	IEEE International Conference on MOOC' s Innovation & Technology	Amritsar College of Engineering, Amritsar	October 01-05, 2015	28,000/-
34.	Dr. S. Jayanthi Professor & HOD Mathematics	Management Capacity Enhancement Training Programme	IIM , Lucknow	October 05-09, 2015	20,000/-
35.	Dr. Samita Maitra Professor & HOD Chemical Engineering				16,000/-
36.	Sri. Appaji M Abhishek Assistant Professor Medical Electronics	CAMTech Diabetes Clinical Summit and Innovation Hackathon	LV Prasad Eye Institute (LVPEI) Hyderabad	October 09- 11,2015	5,445/-
37.	Smt. K. Vijayalakshmi.K Associate Professor Medical Electronics	IEEE Medical Devices and the Internet of Things (IoT)	Kristu Jayanthi college , Bengaluru	October 15-17, 2015	3,400/-
38.	Sri. Appaji. M. Abhishek Assistant Professor Medical Electronics				1,000/-
39.	Smt. Aparna Prabhakar Academic Intern Medical Electronics				1,000/-
40.	Dr. M. Indiramma Professor Computer Science & Engineering				1,000/-
41.	Dr. M. Dakshayani Professor Information Science & Engineering				1,000/-

42.	Dr. B.S. Nagabhushan Professor Electronics & Communication Engineering	Workshop on Universal Software Radio Peripheral (USRP-2015)	Bangalore Institute of Technology, Bengaluru	October 15-17, 2015	1,000/-
43.	Dr. H.S. Guru Prasad Professor & HOD Computer Science & Engineering	Management Capacity Enhancement Training Programme	IIM ,Tiruchy	October 12-16, 2015	2,000/-
44.	Dr. M.S. Dharmaprakash Professor & HOD Chemistry Nodal Officer Procurement	Post Procurement Audit (PPR) for FY- 16	NPIU. New Delhi	October 27, 2015	21, 300/-
45.	Sri. R. Balaji Procurement Manager TEQIP-II				21, 300/-
46.	Sri. P.S. Manjunath Assistant Professor Telecommunication Engineering	IEEE International Conference on Applied and Theoretical Computing and Communication Technology (ICATCCT-2015)	Bapuji Institute of Engineering & Technology (BIET) Davanagere	October 29, 2015	10,000/-
47.	Dr. M. Rajeshwari Hegde Associate Professor Telecommunication Engineering				10,000/-
48.	Dr. G. Keerthiga Assistant Professor Chemical Engineering	CHEMCON 2015 Indian Chemical Engineering Congress 68 th Annual Session of Indian Institute of Chemical Engineers	IIT, Guwahati	December 27-30, 2015	12,160/-
49.	Dr. B.R. Shambhavi Associate Professor Information Science & Engineering	QEEE Feedback Meeting	IIT, Madras	October 31, 2015	7,000/-
50.	Dr. B. Mallikarjuna Assistant Professor Mathematics	International Conference on Computational Heat and Mass Transfer 2015	NIT, Warangal	November 30 th to December 02, 2015	10,700/-
51.	Dr. G. Chandrashekara Assistant Professor Mathematics				10,900/-
52.	Dr. P. Meena Associate Professor Electrical and Electronics Engineering	IEEE TENCON	Macau, China	November 01-04, 2015.	35,750/-
53.	Sri. Appaji. M. Abhishek Assistant Professor Medical Electronics	Seminar of BIRAC under the IIPME Scheme	BIRAC, New Delhi	November 04, 2015	11,300/-
54.	Smt. R. Rashmi Assistant Professor Mechanical Engineering	one day National seminar on "World Class Manufacturing Practices"	JSS Academy of Technical Education, Bengaluru	November 04, 2015	685/-
55.	Dr. M.B. Veena Associate Professor Electronics & Communication Engineering	Two days' workshop on "Smart grid communications and cyber security systems	CPRI, Bengaluru	November 19-20, 2015	8,780/-

56.	Dr. S.N. Mayanaik Professor Civil Engineering	International Conference on Solid Waste Management	IISC, Bengaluru	November 24-27, 2015	6,000/-
57.	Dr. C.R. Ramkrishnaiah Associate Professor Civil Engineering				6,000/-
58.	Smt. B. Prathima Assistant Professor Civil Engineering				6,000/-
59.	Dr. M. Rajya Lakshmi Professor & HOD Biotechnology	7 th Annual meeting of Proteomics Society-2015	VIT University, Vellore,	December 03-04, 2015	6,595/-
60.	Dr. Savithri Bhat Associate Professor Biotechnology				6,595/-
61.	Dr. Y.S. Ram Mohan Associate Professor Mechanical Engineering	International Conference on Precision ,Meso, Micro and Nano Engineering	IIT, Bombay	December 09-12, 2015	31,301/-
62.	Sri. G. Ugrasen Assistant Professor Mechanical Engineering				31,240/-
63.	Dr. G. Varaprasad Associate Professor Computer Science & Engineering	IEEE CocoNet Conference-2015	Techno Park, Trivendrum	December 16-19, 2015	15,200/-
64.	Smt. V. Champa Associate Professor Electrical & Electronics Engineering	International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2015)	PES College of Engineering, Mandya	December 17-19, 2015	8,000/-
65.	Smt. A.N. Nagashree Associate Professor Electrical & Electronics Engineering				8,000/-
66.	Sri. R.M. Shivaraju Assistant Instructor Electrical & Electronics Engineering	Practical Training on Electrical Switchgears and Its Applications	Universal power controls , Tumkur	December 18-19, 2015	2,500/-
67.	Sri. D.T. Shivakumaraswamy Instructor Electrical & Electronics Engineering				2,500/-
68.	Sri. J. Nataraja Helper Electrical & Electronics Engineering				2,500/-
69.	Sri. K. Selvan Assistant Instructor Electrical & Electronics Engineering				2,500/-
70.	Sri. C. Gururaj Assistant Professor Telecommunication Engineering	IEEE International Conference on Smart Sensors and Systems (IC-SSS-2015)	MSRIT, Bengaluru	December 21-23, 2015	3,200/-

71.	Dr. Rudra Naik Associate Professor Mechanical Engineering	One week TEQIP-II ISTE short term training program on "Computer Aided Engineering Analysis"	Don Bosco College of Engineering, Goa	January 04-08, 2016	11,700/-
72.	Sri. Ramesh M Chalkapure Assistant Professor Mechanical Engineering				11,900/-
73.	Sri. Tataram K Chavan Assistant Professor Mechanical Engineering				11,900/-
74.	Smt. Radha R.C Assistant Professor Electronics & Communication Engineering	Faculty Development Programme on "ARM Cortex M3"	BNMIT, Bengaluru	January 08-14, 2016	2,000/-
75.	Smt. Geetishree Mishra Assistant Professor Electronics & Communication Engineering				2,000/-
76.	Smt. K. Archana Bhat Assistant Professor Mathematics & Humanities	Trainers Workshop on "Feeling good and doing well"	Nimhans, Bengaluru	January 11-15, 2016	5,940/-
77.	Dr. M.B .Veena Associate Professor Electronics & Communication Engineering	NRB-SSB Panel Meeting	Delhi	January 11 -13, 2016	11,600/-
78.	Dr. B.S. Nagabhushana Professor Electronics & Communication Engineering				17,603/-
79.	Dr. R. Jayagowri Associate Professor Electronics & Communication Engineering				2,000/-
80.	Dr. Prerana Poddar Associate Professor Electronics & Communication Engineering				16,903/-
81.	Smt Arathi .R. Shankar Associate Professor Electronics & Communication Engineering				23,783/-
82.	Dr .B. Mallikarjuna Assistant Professor Mathematics	CCE- Proficiency	IISC, Bengaluru	January 2016 to May 2016	4,250/-
83.	Dr. G. Chandrasekhar Assistant Professor Mathematics				4,250/-
84.	Sri. R. Rahul Assistant Professor Mathematics				4,250/-
85.	Sri.P.M.Shivaswamy Assistant Professor Mathematics	Three days' workshop on Applied Mathematics in Engineering	MSRIT, Bengaluru	January 12-14, 2016	1,100/-

86.	Dr. B. Kanmani Professor & HOD Telecommunication Engineering	Management Capacity Enhancement Training Programme	IIM, Bengaluru	January 18-22, 2016	1,000/-
87.	Dr.M. Rajyalakshmi Professor & HOD Biotechnology				1,000/-
88.	Smt. K.P. Pushpavathi Assistant Professor Telecommunication Engineering	One week workshop on "Research Avenues in Software Defined Radio and Cognitive Radio"	RVCE, Bengaluru	February 08-13, 2016	
89.	Smt. M .Vasanth Lakshmi Assistant Professor Telecommunication Engineering				1,000/-
90.	Smt. K. Archana Assistant Professor Telecommunication Engineering				1,000/-
91.	Sri. R.S. Ananda Thirtha Instructor Medical Electronics				1,500/-
92.	Sri. G.L. Venkatesha Assistant Instructor Medical Electronics				1,500/-
93.	Sri. M.S. Venkatesh Instructor Telecommunication Engineering				-
94.	Sri. T.M. Tukaram Assistant Instructor Telecommunication Engineering				-
95.	Smt. A.N. Saritha Mechanic Telecommunication Engineering				-
96.	Dr.G.Keerthiga Assistant Professor Chemical Engineering	National Conference on "Nano Science-A Multidisciplinary Approach"	Mount Carmel College Bengaluru	February 10-11, 2016	1,500/-
97.	Dr. S. Muralidhara Professor & HOD Civil Engineering	3 rd World Summit on Accreditation (WOSA-2016)	Gurgaon	March 18-20, 2016	15,267/-
98.	Dr. L. Ravi Kumar Professor & HOD Mechanical Engineering				15,267/-
99.	Dr.Ravishankar Deekshit Professor & HOD Electrical and Electronics Engineering				15,267/-
100.	Dr. K.J. Rathan Raj Professor & HOD Industrial Engineering and Management				15,267/-

101.	Dr. D. Seshachalam Professor & HOD Electronics communication and Engineering	3 rd World Summit on Accreditation (WOSA-2016)	Gurgaon	March 18-20, 2016	15,267/-
102.	Dr. H.S. Guruprasad Professor & HOD Computer Science and Engineering				15,267/-
103.	Dr. B. Kanmani Professor & HOD Telecommunication Engineering				15,267/-
104.	Dr. Samita Maitra Professor & HOD Chemical Engineering				15,267/-
105.	Dr.M. Rajyalakshmi Professor & HOD Bio-Technology				15,266/-
106.	Dr. K. Narasimha Rao Professor & HOD Electronics and instrumentation Engineering				15,266/-
107.	Dr. H.N. Suma Professor & HOD Medical Electronics				15,266/-
108.	Dr. Gowrishankar Professor & HOD Information Science & Engineering				15,266/-
109.	Dr. J. Sharana Basavaraja Associate Professor Mechanical Engineering	TEQIP-II workshop on "Case study teaching and writing"	IIT, Delhi	April 14-17, 2016	13,080/-
110.	Dr. Joshi Manisha Shivaram Assistant Professor Medical Electronics				13,080/-

**DETAILS OF INHOUSE PROGRAMS CONDUCTED IN THE COLLEGE UNDER TEQIP- II
THAT WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION**

Sl. No.	Name of the Department	Title of the Program	Program Dates	Approx. Expenditure(Rs)
01.	Mechanical Engineering & IQAC	workshop on "Advance Training on Bluetooth Low Power Systems "	29 th July , 2015	32,500/-
02.	Biotechnology	Lecture series on current industrial practices with respect to Chromatography Techniques and Design of Experiment	August 29 th , 12 th , 26 th September and 3 rd October 2015	40,000/-
03.	Telecommunication Engineering	Faculty Development Programme on Embedded Linux on Zynq-7000 SOC using VIVADO	15 th September 2015	10,000/-
04.	Chemical Engineering	One week workshop on "Programmable logic controller concepts with field instrumentation"	September 10-15, 2015	1,00,000/-
05.	Electronics & Instrumentation & Electrical & Electronics Engineering	One week workshop on Principles, Practices and Applications of Computer Vision	October 17-21, 2015	74,750/-
06.	Biotechnology	Innovations and Entrepreneurship Opportunities in Biotechnology	November 07, 2015	12,000
07.	Medical Electronics	SAMAGRA -International Conference on Technology, Sustainability and Social Innovation	November 08-09, 2015	1,50,000/-
08.	Electrical & Electronics Engineering	Micro grids- classification, Implementation and recent trends	December 07-10, 2015	1,18,000/-
09.	Electronics & Communication Engineering	Two day workshop on "Technical Writing"	January 08-09, 2016	27,000/-
10.	Electrical & Electronics Engineering	A state level project competition "PRAKALAPA"	January 18, 2015	35,000/-
11.	Electrical & Electronics Engineering	Two day workshop on "Internet of Things & Home automation systems"	January 23-24, 2016	45,500/-
12.	Electronics & Communication Engineering	Training Programme in IPR for faculty and students of Engineering	February 04-05, 2016	13,400/-
13.	Civil Engineering & Chemical Engineering	One week workshop on Environmental Management Frame work	February 29 to March 04, 2016	1,96,000/-

THE DETAILS OF STUDENTS WHO HAVE ATTENDED THE PROGRAMS OUTSIDE THE COLLEGE UNDER TEQIP- II THAT WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

Sl. No.	Name of the Student & Dept.	Details of Program	Place	Workshop/ Conf. Dates	Amount (Rs)
01.	Sri. M. Shiva Kumar Research Scholar Chemistry	National Symposium on Electro Chemical Science & Technology	IISC, Bangalore	July 24-25, 2015	2,500/-
02.	Sri. Sujay Ravindra Hegde M.Tech[Machine Design]	"e-TIME 2015" Emerging Trends in Mechanical Engineering	St. Joseph Engineering College, Mangalore	August 07-08, 2015	4,600/-
03.	Smt. L. Swapna M.Tech[Machine Design]				4,600/-
04.	Sri. S. Siddesh M.Tech[Machine Design]				4,580/-
05.	Sri . D.B. Prakash Research scholar Electrical & Electronics Engineering	International symposium on Advances in Power Distribution Engineering: Disturbed Generation, Micro-Grid and Renewable Integration	NIE, Mysore	August 28-29, 2015	1,800/-
06.	Smt. D. Meghna BE[Electronics & Communication Engineering]	ARM Student design contest on "Smart Transport Systems"	IIT, Madras	September 18, 2015	832/-
07.	Smt. H. Srinidhi BE [Electronics & Communication Engineering]				832/-
08.	Smt. R. Sheetal BE [Electronics & Communication Engineering]				832/-
09.	Smt. Kruthika Ravi BE [Electronics & Communication Engineering]				832/-
10.	Sri. Allam Venkata Surendra Babu M.Tech[Power Electronics]	Sixth International Conference on Advances in Computing, Control, and Telecommunication Technologies	Trivendrum	October 31 , 2015	10,500/-
11.	Smt. T. Sowmya M.Tech[Digital Communication]	Workshop on Universal Software Radio Peripheral (USRP-2015)	Bangalore Institute of Technology, Bengaluru	October 15-17, 2015	1,000/-
12.	Smt .H.N Shalini M.Tech [Bio-chemical Engineering Chemical Engineering]	International Conference on Advances in Chemical Engineering (ICACE-2015)	NITK, Surathkal	December 20- 22, 2015	3,000/-

13	Sri. Shoaib Ahmed Sharief M.Tech[Bio-chemical Engineering Chemical Engineering]				3,000/-
14.	Smt. Jyothi P Phatak Research Scholar Electrical & Electronics Engineering	Two days' workshop on "Automotive Electric Devices Modelling with Matlab"	PSG College of Technology, Coimbatore	November 27- 28, 2015	3,100/-
15.	Sri. Rahul Krishna BE [Telecommunication Engineering]	IEEE International Conference on Smart Sensors and Systems (IC-SSS-2015)	MSRIT, Bengaluru	December 21- 33, 2015	3,200/-
16.	Smt. R. Deepa. M.Tech [Power Electronics]	International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2015)	PES College of Engineering, Mandya	December 17- 19, 2015	4,000/-
17.	Smt. Meghana B Joshi BE [Information Science & Engineering]	2 nd International Conference on Data Engineering and communication Systems	RNSIT, Bengaluru	December 28- 29, 2015	8,250/-
18.	Smt. Diptoshi Roy Research Scholar Electrical & Electronics Engineering	5 Days National workshop on "Thin Films & Nano Materials for Device Applications"	NMIT, Bengaluru	January 19-23, 2016	2,000/-
19.	Sri. Prakash. D.B Research Scholar Electrical & Electronics Engineering	One week FDP on "Wide Area Measurement and its Applications-Paradigm Shift from X-Ray to MRI"	NIE, Mysore	January 19-23, 2016	1,300/-
20.	Smt. Pruthvi Y Kalari M.Tech [Power Electronics]	International Conference on Microelectronics , Computing & Communications (MicroCom - 2016)	NIT, Durgapur	January 23-25, 2016	16,364/-
21.	Sri. K. Vijay Kumar M.Tech[Machine Design]	Industry Academia Conclave: "Employability enhancement of Post Graduate Students"	RVCE, Bengaluru	February 05, 2015	2,000/-
22.	Sri. Nikhil Kagalkar M.Tech[Manufacturing Science & Engineering]				2,000/-
23.	Sri. Sujan M.Tech [Computer Science & Engineering]				2,000/-
24.	Sri. Atheeth .S M.Tech[Biomedical Signal Processing]				2,000/-
25.	Sri. Mahesh Kumar G . D M.Tech[Power Electronics]				2,000/-
26.	Sri. Nikhil K.M. M.Tech [Electronics]				2,000/-

27.	Sri. Harish P. M.tech [Digital Communication]	Industry Academia Conclave: "Employability enhancement of Post Graduate Students"	RVCE, Bengaluru	February 05, 2015	2,000/-
28.	Sri. Bhargav Hrishikesh R M.Tech[VLSI & Embedded system]				2,000/-
29.	Sri. Akshay Kumar. R M.Tech[Bio-chemical Engineering]				2,000/-
30.	Sri. Ganesh Prasad T.P M.Tech[Computer Networking Engineering]				2,000/-
31.	Sri. Rajeev H.V M.Tech[Biomedical Signal Processing]	National workshop on MEDZEST 2016	Dr. N.G.P. Institute of Technology, Dr. NGP Nagar, Coimbatore	February 26-27, 2016	1,850/-
32.	Sri. R. Rama Reddy M.Tech[Biomedical Signal Processing]				1,850/-
33.	Sri. P.L. Vinay Kumar M.Tech[Biomedical Signal Processing]				1,850/-
34.	Sri. K.S. Charana M.Tech[Biomedical Signal Processing]				1,850/-
35.	Sri. Vittala M.Tech [Biomedical Signal Processing]				1,850/-
36.	Sri. S.D.Ravi M.Tech [Biomedical Signal Processing]				1,850/-
37.	Smt. B.S.Ranjitha M.Tech[Biomedical Signal Processing]				1,850/-
38.	Smt. B.R.Sumana M.Tech[Biomedical Signal Processing]				1,850/-
39.	Smt. Sunayana V Bhat M.Tech[Biomedical Signal Processing]				1,850/-
40.	Smt. D. Priyanka M.Tech[Biomedical Signal Processing]				1,850/-
41.	Smt. S. Aishwarya M.Tech[Biomedical Signal Processing]				1,850/-
42.	Smt. S .Rashmi M.Tech[Biomedical Signal Processing]				1,850/-

DETAILS OF PROPOSALS OF FACULTY/STAFF TO ATTEND PROGRAMS OUTSIDE THE COLLEGE UNDER TEQIP- II/COE APPROVED BY THE BOG SUB COMMITTEE

Sl. No.	Name of the Faculty/staff Designation & Dept.	Details of Program	Place	Workshop Dates	Amount
01.	Sri. Hadagali Ashoka Assistant Professor Biotechnology	International Conference on Green Technologies for Sustainable Ecosystem and Trade Show	St. Joseph'S College, Bengaluru	February 26-27,2016	3,140/-
02.	Sri. K.M. Shiva Kumar Technical Assistant Telecommunication Engineering	Three days Hands on Training Programme on Servicing of Electronic Equipment	Dr. AIT, Bengaluru	February 25-27, 2016	1,576/-
03.	Smt. Shamala N Bhat Technical Assistant Telecommunication Engineering				1,576/-
04.	Smt. Yashaswini Technical Assistant Telecommunication Engineering				1,576/-
05.	Dr. M. Ramachandra Professor Mechanical Engineering	8 th Bangalore India Nano Event	Bengaluru	March 03-04, 2016	4,890/-
06.	Dr. S. Srinivas Associate Professor Mechanical Engineering				4,890/-
07.	Dr. M.V.Murugendrappa Associate Professor Physics				4,890/-
08.	Dr .B.L. Suresh Assistant Professor Physics				4,890/-
09.	Dr. Kalyan Raj Associate Professor Chemistry				5,500/-
10.	Dr. K.L. Nagashree Assistant Professor Chemistry				5,500/-
11.	Dr. Gurumurthy Hegde Associate Professor Research & Development	8 th Bangalore India Nano Event	Bengaluru	March 03-04, 2016	4,890/-
12.	Sri Madhav Murthy Assistant Professor Mechanical Engineering				4,890/-

13.	Smt. T. Renuka Associate Professor Physics	8 th Bangalore India Nano Event	Bengaluru	March 03-04, 2016	4,890/-
14.	Smt. C. Chitra Associate Professor Physics				4,890/-
15.	Dr. R.V. Ranganath Professor Civil Engineering	3 rd World Summit on Accreditation (WOSA-2016)	Gurgaon	March 18-20, 2016	18,240/-
16.	Dr. Suresh Ramaswamyreddy Professor Civil Engineering				18,240/-
17.	Dr.V.C. Aralimatti Associate Professor Mechanical Engineering				18,240/-
18.	Sri. Appaji M Abhishek Assistant Professor Medical Electronics				-
19.	Dr. Chandasree Das Faculty, EEE Department and Principal Investigator, COE	Paper presentation at 18 th International conference on Glass Science & Tech	New York, USA	June 6-7, 2016	2,32,000/ -

**DETAILS OF PROPOSALS FOR CONDUCTION OF PROGRAMS IN THE COLLEGE UNDER TEQIP- II/
COE APPROVED BY THE SUB COMMITTEE OF BOG**

Sl. No.	Name of the Department	Title of the Program	Program Dates	Approx. Expenditure
01.	Electronics & Communication Engineering	4 th National Conference on Networking Embedded and Wireless Systems (NEWS-2016)	June 03-04, 2016	1,88,000/-
02.	Mechanical Engineering	Technology Transfer and Faculty Development Program on Non-traditional Machining and Material Characterization	May 02-06, 2016	2,56,000/-
03.	Physics	Technology Transfer and Faculty Development Program on Polymer Composites, Synthesis and Characterization	May 16-20, 2016	2,00,000/-
04.	Mechanical Engineering	International Conference on Advance Materials and Applications (ICAMA-2016)	June 15-17, 2016	27,10,000/-
05.	Electrical & Electronics Engineering	One week Faculty development on Materials in Engineering & Technology	July 11-15, 2016	2,51,000/-
06	Electrical & Electronics Engineering	Vocational training program titled 'enabling workmanship in Electrical wiring using modern materials	May 10-12, 2016	2,71,000/-



Annexure-V

BMS COLLEGE OF ENGINEERING, BANGALORE - 560 019

[Autonomous College under VTU]

Details of Ongoing External Project

SNo	Dept	Name of the Faculty	PROJECT TITLE	DETAILS		
				Agency	Date of Sanction	Amt in Lakhs
1	CHE	Dr.Vijayendra Shetti	Synthesis of 2, 6 Polyazulenes of Organic Electronic Applications	DST	28.01.16	29.00
2	EC	Dr.B.S.Nagabhushan	Interoperability of Heterogeneous Networks	ABB GISL	Jan 2016	8.00
3	ML	Dr.H.N.Suma Appaji M Abhishek	Development of Low Cost, Safe, High Resolution Easy to Use Digital X-Ray	DST	20.01.16	59.37
4	ME	Dr.G.Giridhar H.M.Shivaprasad	Intershaft Squeeze Film Dampers - An Exploratory Study	DSDO	18.07.15	9.99
5	EE	Dr.Lakshimnarayana. Dr.G.Giridhara G.Poornima	Design & Implementation of wireless Energy harvesting Sensor System with integrated Data Acquisition & Communication System for Gas Turbine engine Application	DRDO	17.08.15	9.00
6	CSE	Dr.G.Varaprasad	Smart Electronics Sensing System	ARTIS Techn	01.07.15	0.40
7	E & I	Dr. K. Narasimha Rao Dr. Santosh R Desai Kumuda S Anjana Parua	An Engineering Approach to determine Sampling rate and word length in a Digital Control system	GTRE	July 2015	3.29
8	BT	Dr.Savithri Bhat	Protein Profiling of Mammalian Cells treated with anolides to Relieve Oxidative stems	VGST	May 2015	20.00
9	CHE	K.L.Nagashree	Mixed Metal-oxide based electrode materials for electrochemical sensing and electro-catalysis	VGST	30.04.15	4.00
10	IS	Dr.B.R.Shambhavi	Data Annotation for India Languages	Microsoft	April 2015	1.5
11	ML	K.Vijayalakshmi	Thermal Mapping Imaging	KSCST-1	April 2015	0.06
12	CSE	Dr.G.Varaprasad	Development of Intelligent Traffic Control System by using RFID Technology	UGC - Research Award	20.02.15	43.50
13	IS	Dr.M.Dakshayini	RFID Enabled tracking System	Ellipsonic Pvt Limited, Singapore	Jan 2015	1.0
14	CSE	Dr.G.Varaprasad & Praveenraj Pattar, Rajeshwari Madli	automatic Detection and Notification of Humps on Roads to Aid Drivers	VGST	01.01.15	0.30



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Details of Ongoing External Project

SNo	Dept	Name of the Faculty	PROJECT TITLE	DETAILS		
				Agency	Date of Sanction	Amt in Lakhs
15	MCA	Sri.K.Girish	Effective Utilization of Akash Tablets	MHRD	Dec 2014	1.00
16	ML	Dr.H.N.Suma	Infrastructure Enhancement of Biomedical Wireless Data Acquisition Facilities in Biomedical Signal Processing Lab	VGST	Dec 2014	20.00
17	ME	Dr.L.Ravi Kumar	Performance Studies of Semi Active Journal Bearing	R&D	15.11.14	5.74
18	MCA	Dr.K.Vijay Kumar	Teacher Recruitment Modelling using partitioning Based Data Mining Techniques	UGC	Oct 2014	5.86
19	EC	Dr.B.S.Nagabhushan	Coding Methods and Techinique for Performance Improvement in Wireless Mesh Network	ABB Global Industries & Services Limited	Jan 2014	16.00
20	ME	Dr.M.Ramachandra	Evaluation of Machining Characteristics of Squezy Cast Aluminum Matrix Composite Modernization of Digital Communication Lab	AICTE RPS	15.07.13	10.75
21	ME	C.K.Chandrababu	Design of Dehusking cashewnut	GKVK	12.07.13	5.00
22	ME	Dr.M.Ramachandra Dr.S.Srinivas Dr.Chandasree Das	Establishing Centre of Excellence in Advanced Materials Research	TEQIP	12.07.13	500.00
23	CS	Dr.G.Varaprasad	"Wireless communication lab"	AICTE	04.02.13	8.34
24	EE	Dr.Chandasree Das	Investigation on materials dependence of electrical switching phenomenon memory applications"	DST	03.09.13	18.90
25	PHY	Dr.T.S.Pranesha	Modelling Atmospheric Pollution and Networking (MAPAN)	IITM, Pune	30.08.13	20.32

**BMS COLLEGE OF ENGINEERING, BANGALORE – 560 019**

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Details of Ongoing External Project

26	TCE	Dr.B.Kanmani	Study Design Implementation and performance Analysis of Wireless Communication Concepts	AICTE	04.06.13	100.00
27	CH	Dr.Chetan A Nayak	Seed Money for Young Scientist for Research	VGST	19.03.13	5.00
28	ME CS CV	Sri.C.K.Chandrababu Dr.G.Varaprasad Dr.H.B.Nagaraj	"Instrumentation and Field Studies on In-situ Extraction of Tender Coconut Water from Coconut Tree	DST	30.10.12	20.00
29	ME CS CV	Sri.C.K.Chandrababu Dr.G.Varaprasad Dr.H.B.Nagaraj	Multiple Extraction Coconut water from Tree	AICTE	15.05.12	7.30
30	BT	Dr.M.Rajyalakshmi Dr.Savithri Bhat	A Study on the expression of Sum0 (Small Ubiquitin like Modifiers) and SUMoylation Pathway genes	VTU	05.05.12	5.00
31	ME	Dr L Ravi Kumar	Damping and Stiffness Characteristics of Non- Newtonian Fluids in Squeeze Film Dampers used as External Medium	AR&DB	24.11.11	10.75
32	ME	Dr.K.Guruprasad	Modernization of Machine Shop	AICTE	03.11.11	8.00
33	IM	Dr.B.Ravishankar	Benchmarking Noise Levels in Bangalore City	AICTE	Dec 2011	9.5
34	CV	Dr H S Jagadeesh Sri.H.S.Satish	Comprehensive Transportation Planning For the Selected Zones in Bangalore City Development of Pavement Deterioration Models for Urban Roads	MOUD	29.11.10	25.00
35	ME	Dr L Ravi Kumar	Effects of Temperature & Damping	AICTE	23.12.10	16.94
36	IM	Dr.K.J.Rathanraj	CAS Grants Research promotion	AICTE	31.03.10	12.00
Total Amount						1038.11