

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

Minutes of 55th Meeting

April 7, 2014

MEMBERS PRESENT:

1. Dr. P. Dayananda Pai	Chairman
2. Dr. B.S. Ragini Narayan	Member
3. Sri. K. Jairaj, IAS(Retd)	Member
4. Sri. M. Krishnaswamy	Member
5. Dr. G. N. Sekhar	Member
6. Dr. D. Thukaram	Member
7. Dr. Ravishankar Deekshit	Member
8. Dr. A. Sridharan	Special Invitee
9. Dr. Lawrence Jenkins	Special Invitee
10. Dr. S. Venkateshwaran	Invitee
11. Dr. R. V. Ranganath	Invitee
12. Dr. K. Mallikharjuna Babu	Member-Secretary

LEAVE OF ABSENCE:

1. Dr. Nirmal Singh Sehra	Member
2. Sri. H. U. Talawar	Member

Faculty Invitees:

1. Dr. L. Ravikumar, Professor, Dept. of ME
2. Dr. Rudra Naik, Associate Professor, Dept. of ME

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

The Member-Secretary informed the members that seven student representatives (04 UG Students & 03 PG Students) have been invited for an interaction with the BOG. The Member-Secretary introduced the Board Members to the students. During the interaction with the students, the following issues/opinions were raised/discussed:

- The student representative from Civil Engineering expressed that the faculty / staff members are very co-operative & friendly. The labs are well equipped. There is encouragement not only for the academic activities but also for co-curricular and extra-curricular activities. The student also expressed that the campus placement opportunities in core companies is inadequate. There is requirement of additional books relevant to the syllabus in the department library. Requested issuance of books during vacation in the main library so as to enable them to refer/prepare for competitive exams. More industrial visits are to be organized. The students desired implementation of Research Assistantship for meritorious students.

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- The student representative from Electrical Engineering expressed that the faculty / staff members are very co-operative & friendly. The student also requested to include mini project for labs and there be no restriction on the number of students taking an elective.
- The student representative from Electronics Engineering expressed that the students are allotted cluster electives which are not opted. The student also expressed to introduce online courses, Business Communication subject in third year (which helps for HR round of the interview during placements), Android App as Institutional Elective and Research Internships.
- The student representative from Telecommunication Engineering expressed that the department is encouraging students towards innovative projects, training sessions from the industry, conduction of open ended experiments and conduction of labs for non-integrated courses. The student expressed that the contact hours (direct hours) it is on higher side i.e. the students need to attend 33 hours in a 40 hour week. This jeopardizes their learning and also they are unable to consult faculty for clarifications or carry out any project/research work during the college hours. It was also expressed that placements opportunities for Telecommunication students was on the lower side in comparison to Electronics though both programmes have similar syllabi.
- The student representative from Computer Science Engineering expressed that the faculty members are good. The Research oriented workshops and industrial visits are organized. The placement opportunities are also good.
- The student representative from Mechanical Engineering expressed that the faculty members are good. Organizing of lectures by distinguished personalities, industrial visits, training on technical software are good and the QEEE Virtual Lab Session is very helpful. The student also expressed that the campus placement opportunities for M.Tech (Machine Design) students are inadequate. There is also requirement of additional books relevant to the syllabus in the department library. Requested for making arrangement for the timely disbursement of GATE/TEQIP stipend.
- The student representative from Medical Electronics expressed that new hardware lab has been setup and few students have already started doing

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internships. There is also mini project or case study for every subject. The student also expressed that for the new PG programme of Bio-medical signal processing, books have been procured and site-visits are also being arranged. The student expressed requirement of additional class room as presently some class rooms are being shared with the Electronics Department.

The Chairman assured that he would discuss the matter with the concerned officers & faculty. The Chairman opined that more industrial visits need to be organized and directed the Principal to ensure that the HODs comply. The Placement Officer who was invited to the meeting, expressed the facts related to placements opportunities in core-companies in the disciplines of Civil & Telecom branches.

The Board thanked the student representatives for their suggestions.

Before taking up the agenda, the Member-Secretary presented PPT regarding the progress and development made by the College in imparting the technical education (enclosed at *Annexure-I*).

Section 1: ITEMS FOR CONFIRMATION

1.1 CONFIRMATION OF THE MINUTES OF THE 53rd & 54th BOG MEETINGS HELD ON 21ST NOVEMBER 2013 & 13TH JANUARY 2014 RESPECTIVELY.

The minutes of the 53rd & 54th BOG meetings were confirmed.

Section 2: ACTION TAKEN REPORT

2.1 ACTION TAKEN NOTE ON THE DECISIONS/RESOLUTIONS TAKEN IN THE 53RD BOG MEETING HELD ON NOVEMBER 21, 2013

The BOG noted the Action Taken Report of the 53rd & 54th BOG meetings of BOG held on 21.11.2013 & 13.01.2014 and approved.

Section 3: COLLEGE REPORT

A BRIEF REPORT ON THE ACTIVITIES OF THE COLLEGE FOR THE ACADEMIC YEAR 2013-14

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3.1 REPORT ON THE STATUS OF NBA EVALUATION IN TIER-I SYSTEM OF ACCREDITATION (OUTCOME BASED EDUCATION)

The BOG noted the Accreditation Status of the following Under Graduate programmes:

SNo	Name of the UG Programme	Basis of Evaluation	Accreditation Status	Period of validity w.e.f. 01.01.2014
1	Instrumentation Technology	Tier I Document	Provisionally Accredited	2 years
2	Mechanical Engineering	Tier I Document	Accredited	5 years
3	Chemical Engineering	Tier I Document	The weaknesses/deficiencies observed by the Expert Team has to be complied within three months for a decision on the accreditation status of the programmes	
4	Civil Engineering	Tier I Document		
5	Electronics Engineering	Tier I Document	Not Accredited	-

The Member-Secretary informed that the Department of Electronics & Communication is proposing to submit an appeal to NBA against its decision. The Board approved the proposal and directed the Member-Secretary to initiate necessary process in this regard.

3.2 REPORT OF THE ACADEMIC ACTIVITIES OF THE COLLEGE

The BOG was appreciative of the report on important Academic/Other Activities of the College for the period from January 2014 to March 2014 (shown at *Annexure-II*) presented by the Member-Secretary.

3.3 REPORT ON THE ACTIVITIES OF BMS COLLEGE OF ENGINEERING ALUMNI ASSOCIATION

The BOG noted the activities (shown at *Annexure-III*) of BMS College of Engineering Alumni Association (BMSCEAA). The Chairman stressed the need to have more activities involving Alumni. It was also opined to put-in efforts to enhance the memberships.

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3.4 REPORT ON THE MOUs WITH VARIOUS GOVERNMENTAL & NON-GOVERNMENTAL ORGANIZATIONS

The BOG noted the Memorandum of Understanding (MOU) signed with various Governmental and Non-Governmental organizations for Academic, Collaborative Research & Extension activities (details of MOUs are shown at *Annexure-IV*).

3.5 ADMISSION TO PG (M.Tech. PROGRAMMES) - GATE CANDIDATES ENROLLMENT FOR THE YEAR 2013-14

The BOG noted the details of GATE candidates enrolled (as shown below) to PG (M.Tech. Programmes) Courses for the year 2013-14:

SNo	Course	Intake	Admitted	No. of GATE Candidates	%
1	Bio Chemical (New)	24	11	01	9.09
2	Computer Science	18	18	13	72.22
3	Computer Network Engg.	18	18	13	72.22
4	Machine Design	18	19	13	68.42
5	Electronics	18	18	14	77.78
6	Digital Communication	18	18	14	77.78
7	Bio Medical Signal Processing (New)	24	22	-	-
8	Power Electronics	18	18	12	66.67
9	Transportation Engg.	18	18	01	5.56
10	Environmental Engg.	18	18	04	22.22
11	Construction Technology	18	18	14	77.78
	Total		196	99	50.51

The BOG also noted that the students admitted through GATE Scores are availing GATE Scholarship of Rs.8,000/- PM under Direct Benefit Transfer Scheme (DBT Scheme) of AICTE and the Non-GATE students are being provided scholarships through TEQIP II Project.

3.6 REPORT REGARDING STATUS OF THE FUNDS

The BOG noted the status of four funds as on 31.03.2014. The details are shown below:

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SNo	Name of the Fund	Amount deposited	Status of the fund
1	Corpus Fund	25,00,000.00	35,60,637.00
2	Equipment Replacement Fund	25,00,000.00	34,53,757.00
3	Faculty Development Fund	25,00,000.00	34,53,755.00
4	Maintenance Fund	25,00,000.00	34,53,755.00

3.7 PROPOSAL TO CONDUCT A ONE DAY INTERNATIONAL SYMPOSIUM IN COLLABORATION WITH UNIVERSITY OF TWENTE (UT), THE NETHERLANDS

The Member-Secretary appraised the BOG that one day International Symposium is being organized on 22.09.2014 by the Department of Medical Electronics during the visit of delegates from the University of Twente (UT), the Netherlands to India as part of a scientific study tour. The theme of the study tour is '**Medical tourism and its effects on Indian economy and health care systems**'. The Board noted and approved the proposal.

3.8 VISITS BY BMSCE FACULTY MEMBERS TO PREMIER INSTITUTIONS WITH A VIEW TO ADOPT BEST PRACTICES AND TO ESTABLISH COLLOBORATIONS WITH INDIAN/ FOREIGN UNIVERSITIES

The Member-Secretary apprised the Board that the following faculty members were deputed to visit various reputed institutions with a view to learn/adopt their best practices.

SNo	Dept.	Name of the Faculty members visited	Institution visited	Purpose
1	Electrical	Dr.Ravishankar Deekshit Dean (Academic) & Prof. & HOD of EE, Dr.P.Meena, Associate Professor & Dr.Chandasree Das, Assistant Professor	College of Engineering, Pune	To visit COEP Electrical Labs & adopt the same at BMSCE
2	Electronics	Sri.Harish V Mekali Assistant Professor, Dept. of EC and Sri.Appaji M Abhishek Assistant Professor, Dept. of ML	Indian Institute of Technology Bombay	To visit IITB to establish Robotics Laboratory

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3	Medical Electronics	Sri.Appaji M Abhishek Assistant Professor, Dept. of ML and Sri.Harish V Mekali Assistant Professor, Dept. of EC	Tata Institute of Fundamental Research (TIFR), Mumbai and NEX Robotics, Mumbai	To establish Robotics Laboratory
4	College	Dr. G. N. Sekhar, Dr. Gowrishankar Dr.Chowdappa & Prof.Rajneesh Kumar of Evening College	VIT, Chennai & Veltech- University, Chennai	To visit the IT infrastructure, Wi-Fi connectivity & Video Streaming.

The BOG noted and welcomed the initiative. While on the subject, the Member-Secretary briefed the Board that the College is also exploring the possibilities of visiting few US Universities through M/s,Rao Advisors LLC. Preliminary discussions in this regard are underway with Villanova University, USA. This initiative is expected to enhance collaborative activities leading to improved research endeavors and student assistantships. The Member-Secretary also informed that the Institution is also conducting special lectures by Professors from Foreign Universities under the aegis of Distinguished Speaker Series.

Section 4: ITEMS FOR APPROVAL

4.1 REPORT REGARDING PROPOSED ONE DAY INTERNATIONAL CONFERENCE IN COLLABORATION WITH INDO-US COLLABORATION IN ENGINEERING EDUCATION

The Member-Secretary apprised the BOG that the IUCEE conducted its first International Conference on Transformations in Engineering Education (ICTIEE-2014) at B.V.V. College of Engineering & Technology, Hubli during January 2014. Prof. Krishna Vedula, Professor & Dean Emeritus, University of Massachusetts Lowell and Executive Director, IUCEE has conveyed that it has been decided to conduct the Second International Conference on Transformations in Engineering Education (ICTIEE-2015) at BMSCE. The said conference is to be hosted by BMSCE with IUCEE as co-organizers. The Chairman, BOG, has approved the proposal to organize the event at BMSCE from January 7-9, 2015 under the aegis of TEQIP II. The BOG approved the proposal.

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The Member-Secretary also appraised the BOG that the College is stepping into 70th Year next year i.e, 2015. It is proposed to conduct seven International conferences and other activities during 2015 to commemorate seventy year anniversary of BMSCE. The BOG welcomed the proposal and noted its approval for the proposal.

4.2 REVISION IN STAFFING PATTERN DUE TO VARIATION IN INTAKE / INTRODUCING NEW PROGRAMMES

The BOG approved the additional faculty positions (a) for the Department of Civil Engineering due to variation in intake from 50 to 120 and (b) for the Departments of Chemical Engineering and Medical Electronics for the new PG programme in Bio-Chemical Engineering & Bio-Medical Signal Processing (with an intake of 24). The revised staffing pattern as per AICTE guidelines is listed at *Annexure-V*.

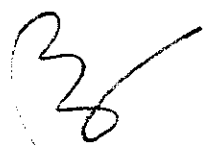
4.3 PERFORMANCE BASED INCENTIVE MEASURE - PROPOSAL TO ENHANCE REWARD/ INCENTIVE SYSTEM FOR PROMOTING FACULTY RESEARCH AND FETCHING EXTERNAL GRANTS FROM AICTE, INDUSTRY OR OTHER SOURCES

The BOG approved the proposal to enhance incentive for faculty getting external grants from 3% to 5% of the total financial amount received from external funding agencies. The other conditions remain un-altered.

4.4 PERFORMANCE BASED INCENTIVE MEASURE - CONSIDERATION OF THE PROPOSED REVISION/MODIFICATION IN AWARD OF CASH INCENTIVES FOR RESEARCH PUBLICATIONS IN THE REFERRED INTERNATIONAL / NATIONAL JOURNALS BY THE FACULTY MEMBERS

The Member-Secretary informed that with a view to motivate faculty publications, it is proposed to revise the cash incentive for research publications in refereed international journals.

The BOG approved the following revision/modification towards cash incentive for research publications by faculty in refereed journals (non-paid and having impact factor 0.5 and above):



SNo	Impact Factor (Range)	Incentive
1	0.5 to 1.0	Rs.10,000
2	1.0 & above	Rs.15,000

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The BOG advised that each department shall identify five journals in their relevant areas and notify to the faculty to facilitate submission of papers. However, the faculty can also publish in other refereed journals (non-paid and having impact factor 0.5 and above) for consideration under this policy. This is effective for the papers published in refereed journals from 01.04.2014 onwards.

4.5 PERFORMANCE BASED INCENTIVE MEASURE (New) INSTITUTION OF INTELLECTUAL PROPERTY RIGHTS POLICY (IPR Policy)

The BOG noted the proposal for having an Intellectual Property Rights (IPR) Policy for BMSCE and the constitution of the following committee in this regard:

1	Prof.A.Sridharan	Member of BOG, BMSCE
2	Dr.G.N.Sekhar	Vice Principal & Member of BOG, BMSCE
3	Prof.P.Martin Jebaraj	Director (R&D), BMSCE
4	Dr. Vijay Kumar	Alumnus of 1978 Batch
5	Mrs.Rachana Singh	College Consultant on IPR
6	Mr.Arvind Vishwanath	College Consultant on IPR
7	Dr.K.Mallikharjuna Babu	Principal & Member-Secretary of BOG, BMSCE

The BOG approved the proposed Intellectual Property Rights (IPR) policy of BMSCE (enclosed at *Annexure-VI*).

4.6 APPROVAL OF THE REVISED BUDGET FOR THE FINANCIAL YEAR 2013-14 & THE DRAFT BUDGET FOR THE FINANCIAL YEAR 2014-15

After detailed deliberations, the BOG approved budget proposed for the financial year 2014-15 (enclosed at *Annexure-VII*).

Section 5: ITEMS FOR RATIFICATION

5.1 IMPLEMENTATION OF GUIDELINES FOR ASSESSMENT AND EVALUATION OF THE FACULTY PERFORMANCE

The BOG noted the action initiated on the faculty members who have been rated below threshold (60%) (shown at *Annexure-VIII*). The BOG also noted the representation of the faculty assuring improvement in their performance and have requested to condone the action. During the deliberations, the Chairman, BOG, expressed his desire to meet the said faculty members and directed the Member-

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Secretary to arrange for a meeting with them. In view of the above, consideration of the subject matter was postponed.

5.2 MINUTES OF THE MEETINGS OF THE FINANCE COMMITTEE

The Board approved the minutes (shown at *Annexure-LX*) of the meeting of the Finance Committee held on 30.12.2013 and 30.01.2014.

5.3 REVISIONS IN THE BENEFITS UNDER FAMILY WELFARE FUND (FWF)

The BOG noted the following revision in the FWF benefits as decided in the FWF Committee in its meeting held on 19.03.2014 and approved in the meeting with the Chairman, BOG and the members of the Family Welfare Fund Committee held on 20.03.2014.

- a) The amount payable to an regular employee relieved on VRS/Resignation and who has rendered a minimum service of 15 years is enhanced from Rs.25,000/- to Rs.50,000/- .
- b) A regular employee who retires from service on superannuation after rendering a minimum of 15 years of service in this institution is eligible for an FWF amount of Rs.1,00,000/- (Rs.50,000/- from Family Welfare Fund and an equal matching grant of Rs.50,000/- by the Management)
- c) An employee who is terminated or dismissed from service is not eligible for any benefit under the scheme
- d) The above revisions shall come into effect from 01.04.2014.

Further, the BOG also noted the following drive of the Chairman with regard to felicitation to retiring employees:

The following routine to be followed in felicitating a retired employee

- The office (Establishment Section) shall provide the list of employee (s) retiring from service to the concerned Head of the Department (at-least six months in advance).
- On the first Saturday of the every month at 2.30 PM, the employee (retired during the previous month) will be felicitated at a convenient centralized location. The spouse and family members of the retired employee to be invited. All the employees are welcome to attend the felicitation function. Attendance is on

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voluntary basis. The cheques pertaining to retired employee's terminal benefit payable from the college to be handed over on this occasion. In lieu of the above decision, the felicitation function hitherto being conducted at the departmental level shall be discontinued.

The following proposal for enhancement towards felicitation expenses were approved. The expenses to be borne through management funds.

Memento	From Rs.3000/- To Rs.5000	The respective HOD is permitted to draw the amount from Management Funds for the purpose.
Shawl, Garland etc	From Rs.1000/- to Rs.2000	

The concerned Head of the Department shall make necessary arrangement in this regard. In the event of more than one employee being felicitated, one of the HODs (senior amongst them) shall take lead and co-ordinate the event. The above routine shall be effective from 01.04.2014.

The Board approved the above proposals.

5.4 DEPUTATION OF Dr.S.M.SURESH, ASSOCIATE PROFESSOR, DEPT. OF MECHANICAL ENGINEERING, AS DIRECTOR AT AICTE, NEW DELHI

The BOG noted the request of AICTE to extend the deputation period in respect of Dr.S.M.Suresh (GIA Employee), Associate Professor, Department of Mechanical Engineering (Grant-in-Aid), to AICTE (Director-Finance), New Delhi for the fifth consecutive year commencing from 27.01.2014 to 26.01.2015 and also the approval of Chairman pending ratification by the Board.

The BOG ratified the decision of the Chairman and approved to extend the deputation period in respect of Dr.S.M.Suresh commencing from 27.01.2014 to 26.01.2015.

5.5 REPRESENTATION FROM Dr.S.M.SURESH, ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING

The BOG ratified the approval of the Chairman pending ratification of the BOG for issuance of No Objection Certificate to Dr.S.M.Suresh (GIA Employee), who is currently on deputation at AICTE, New Delhi, (extended for the fifth year from

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27.01.2014 up to 26.01.2015) permitting him to apply for the post of Registrar at Central University of Karnataka, Gulbarga.

5.6 REPRESENTATION FROM Dr.S.M.SURESH, ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGG.

The BOG ratified the approval of the Chairman pending ratification of the BOG for issuance of No Objection Certificate to Dr.S.M.Suresh (GIA Employee), who is currently on deputation at AICTE, New Delhi, (extended for the fifth year from 27.01.2014 up to 26.01.2015) permitting him to apply for the post of Member Secretary in National Board of Accreditation (NBA).

5.7 REPRESENTATION FROM DR.B.RAVISHANKAR, PROFESSOR, DEPT. OF IEM

The BOG ratified the approval of the Chairman pending ratification of the BOG for issuance of No Objection Certificate to Dr.B.Ravishankar (GIA Employee), Professor, Department of Industrial Engineering & Management permitting him to apply for the post of Managing Director, Mumbai Rail Vikas Corporation.

5.8 REPRESENTATION FROM SRI.B.SUDARSHAN, ASSISTANT PROFESSOR, DEPT. OF MECHANICAL ENGINEERING TO ISSUE NOC FOR PURSUING PhD.

The BOG ratified the approval of the issuance of No Objection Certificate to Sri.B.Sudarshan (GIA Employee), Assistant Professor, Department of Mechanical Engineering permitting him to appear for the interview for admission to PhD pending ratification by the Board and the DTE.

Section 6: ANY OTHER ITEMS

6.0 ANY OTHER SUBJECTS WITH THE PERMISSION OF THE CHAIR

6.1 MINUTES OF THE MEETING OF THE SUB-COMMITTEE OF BOG OF TEQIP PHASE-II AND THE REPORT ON THE ACTIVITIES OF TEQIP PHASE II

The BOG took note of the minutes of the ninth meeting of the subcommittee of BOG of TEQIP Phase-II held on 01.04.2014. The Board ratified and approved the minutes

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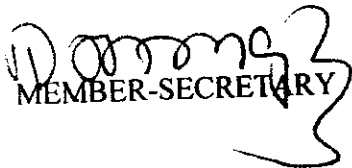
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of the ninth meeting of the subcommittee of BOG of TEQIP Phase II held on 01.04.2014 (minutes enclosed at *Annexure-X*).

6.2 FURNITURE REQUIREMENTS FOR FACULTY AT VARIOUS CADRES

The BOG noted the proposal of providing furniture and other requirements to the faculties of various cadres. The BOG also took note of the report of the Committee and approved the same (report enclosed at *Annexure-XI*). While on the subject, the Chairman, BOG suggested to provide the desiring faculty members with a loan of Rs.50,000/- recoverable in 10 equal installments towards procuring personnel laptop.

The meeting concluded with vote of thanks to the Chair.


MEMBER-SECRETARY


CHAIRMAN

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ANNEXURE-I

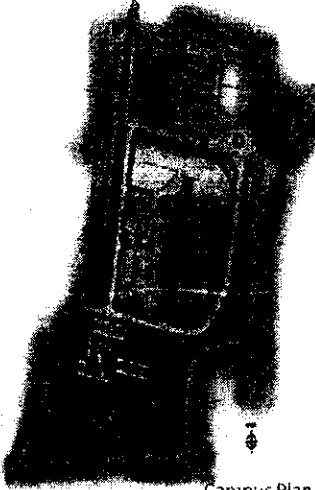
**PPT PRESENTATION REGARDING
THE PROGRESS & DEVELOPMENT MADE BY THE COLLEGE
IN IMPARTING TECHNICAL EDUCATION**

Hearty Welcome to
you all


**BMS COLLEGE OF ENGINEERING
BANGALORE**

A presentation by
Dr. K. Mallikharjuna Babu
Principal

April 07, 2014

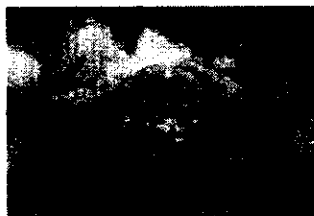


Campus Plan



BMS COLLEGE OF ENGINEERING BANGALORE 1946

Vision & Mission



VISION

Promoting Prosperity of
mankind by augmenting
human resource capital
through quality
Technical Education &
Training



MISSION

Accomplish excellence
in the field of Technical
Education through
Education, Research and
Service needs of society

Transformation

1946 to 1982 the Institution primarily engaged imparting Undergraduate education in Engineering

Teaching and Training

1983 to 2001 the Institution ventured into Postgraduate education in Engineering

Teaching and partly involved in Research

Since 2002 the Institution embraced Research. Fifteen departments are recognized Research Centers by the University

Full fledged Teaching, Training and Research Institution

Accreditation



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL NAAC

Accredited with 'A' grade by NAAC (CGPA of 3.41 on four point scale);

Valid up to January 4, 2018



Accredited by NAAC



STATUS OF ACCREDITATION BY THE NATIONAL BOARD OF ACCREDITATION

All the UG Programmes were evaluated under Tier-I system. In December 2013, five UG programmes; In February 2014, four UG programmes; and in March 2014, three UG programmes were evaluated.

The accreditation status for first five UG programmes received from NBA is as follows:

ME - Accredited for 5 years

IT - Accredited for 2 years

CV & CH - Compliance for the observations of the NBA Committee to be sent within 3 months.

EC - Not Accredited

Affiliation

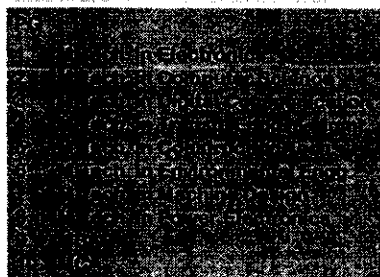
As per the Affiliation Notification for the academic year 2013-14, dated 21.12.2013 received from VTU the following programmes recommended for permanent Affiliation from the academic year 2013-14 to 2017-18

UG

1. Instrumentation Tech.
2. Civil Engineering
3. Computer Science & Engg.
4. Information Science & Engg.
5. Electrical & Electronics Engg.
6. Telecommunication
7. Electronics & Communication Engg.
8. Chemical Engg.
9. Mechanical Engg.
10. Industrial Engg. & Mgmt.
11. Bio-Technology
12. Medical Electronics
13. Architecture

Total UG Programmes - 13

Permanently Affiliated UG progs - 13



Total PG Programmes - 11

Total eligible PG Programmes - 11

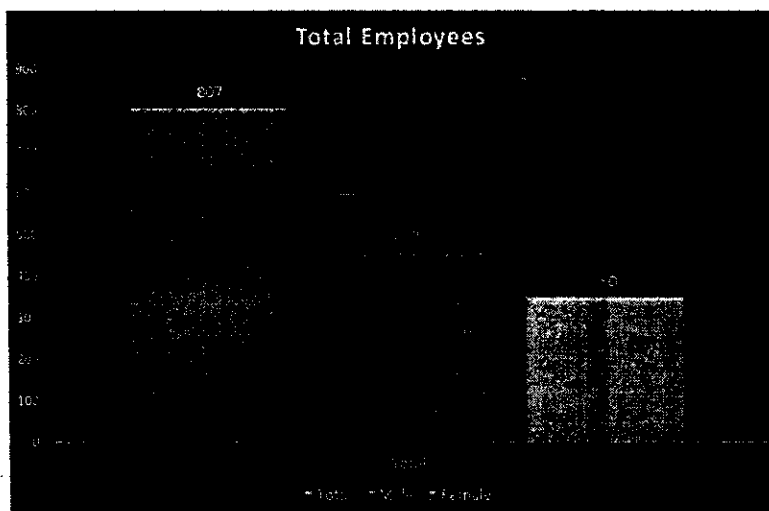
Permanently Affiliated PG progs - 10

Inspection Committee Visits

VTU expert committee visited the College on 18.03.2014 for recommending the extension of Autonomous status to University Grants Commission (UGC)

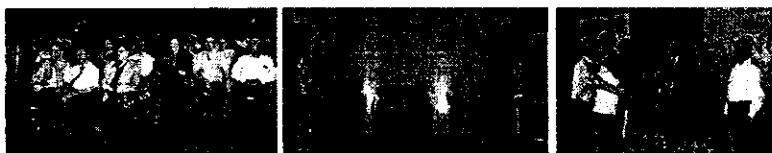
State Government Inspection Committee visited the College on 04.04.2014 for approving the recommendation of VTU in respect of Permanent Affiliation

Human Resources



Staff Welfare Measure

- Revised AICTE scales (Sixth Pay Commission) 2006 extended to faculty members
- Revised State Government Pay scales (2012) implemented to the non-teaching staff with all admissible allowances
- Leave benefits & Retirement benefits as per Karnataka Civil Service Rules (KCSR)
- Family Welfare Fund (FWF)
- Medical & Accidental Insurance coverage to all the employees and family
- Employees Credit Co-operative Society and Annual Staff Day



Governance - Committees

BOARD OF GOVERNORS	CORE COMMITTEE
ACADEMIC COUNCIL	COLLEGE COUNCIL
FINANCE COMMITTEE	PERFORMANCE MONITORING
BUILDING & WORKS COM	DEPARTMENTAL ACADEMIC COM
BOARD OF APPOINTMENTS	PROCUREMENT COM
BOARD OF STUDIES	STUDENT FEEDBACK COM
BOARD OF EXAMINERS	LIBRARY COM
GRIEVANCE REDRESSAL COM	WOMEN CELL
ANTI-SEXUAL HARASSMENT COM	SPORTS & CULTURAL COM
ANTI-RAGGING COMMITTEE	HOSTEL COMMITTEE

Governance - Monitoring Committees

- **ACADEMIC COUNCIL (AC)**
- **BOARD OF STUDIES (BOS) - DEPARTMENT/CLUSTER**
- **BOARD OF EXAMINERS (BOE) EVERY DEPARTMENT**
- **DEPARTMENTAL ACADEMIC AUDIT COMMITTEES (DAAC)**
- **FINANCE COMMITTEE (FC)**
- **DEAN (ACADEMIC)**
- **DEAN (FIRST YEAR B.E.)**
- **DEAN (MANAGEMENT)**
- **CONTROLLER OF EXAMINATIONS (COE)**

Innovative Practices

CLUSTERS CONCEPT

The objective:

Optimum utilization of the existing human resource available in related faculty of Engineering

The Advantages are :

- Common courses with one Curriculum
- Wide choice of elective courses
- Collective faculty strength
- Cross learning for the students

CLUSTERS

Electrical Science Cluster
Consists of Electrical, Electronics, Telecom, Instrumentation and Medical Electronics

Computer Science Cluster
Consists of Computer Science & Information Science

Chemical Cluster consists of Chemical & Biotech

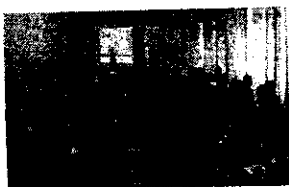
Mechanical Cluster
Consists of Mechanical & Industrial Engineering

Innovative Practices

- Industry participation on various Boards BOG, AC, BOS ..
- Cluster Concept
- Three-tier electives namely Department, Cluster & Institutional levels
- Annual Academic Audits
- Proctoring System
- Extension Lectures
- Industrial/Site Visits
- Workshops by Alumni on Current Trends/Technology
- Offering Value Added Programmes during semester breaks
- Facilitating Internships during the semester breaks
- Peer learning activities
- Project Based Learning (Self Study)

Innovative Practices - Blended Learning

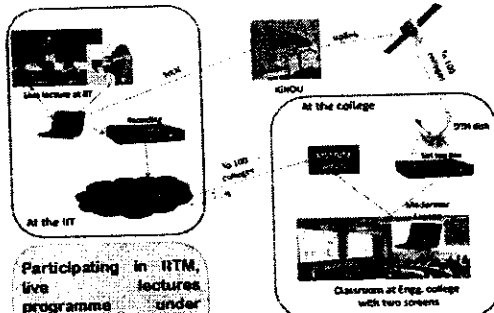
Live Class from IITM



Live faculty workshop from IITK



Schematics of Delivery



Participating in IITM, live lectures programme under MHRD sponsored QEEE programme. This enables integration of top quality scholastic inputs into current learning and teaching practices (live classes, Tutorials, Virtual Labs, MOOC's, Vocational Augmentation Courses)

The classes conducted by faculty members from IITM, IITB, IITD and IITK (selected from the list with highest ranking in student feedback for three consecutive years at IITs).

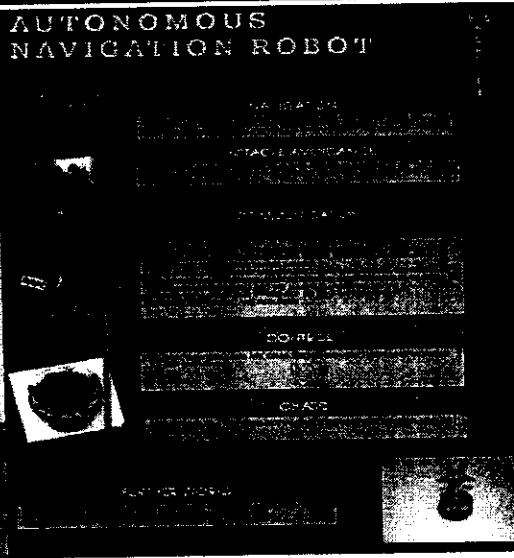
Innovative Practices - Blended Learning

@yantra

AUTONOMOUS NAVIGATION ROBOT

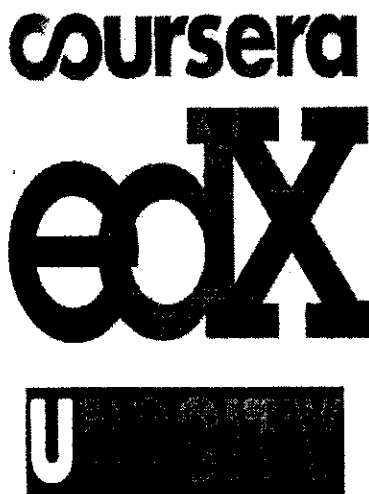
IITM @yantra

The project Envisages to harness young intellectual talent to create utility based robotic applications for usage across a variety of applications such as manufacturing, home, defence, maintenance and services industries



6

Innovative Practices – Blended MOOCs (Under Planning)



- To introduce MOOCs grade (as a part of Self Study component in the Curriculum commencing from 2014 -15)
- To introduce flip class
- Local teacher to evaluate, conduct practical classes, assign activity to the students
- Introducing project activities from first year for developing skills through project based learning
- Collaboration with foreign Universities for academic and Research activities

Innovative Practices - Collaborations

The objective of the collaboration is to network with industries/organisations to supplement the TLP in various faculties

To conduct student workshops, Internships, Training Programmes, Industrial Visits, working model contests, finishing schools and carryout joint projects

MOUs established with IITM, Wiksate, CSIR-NAL, Robert BOSCH, TCS, Wipro, NCS, ZTE, NXP, Tektronix, CENTUM, Texas Instruments, NI, CRANES, BSNL, EMC, TMI Systems, ChipEdge, ARM, SAP Labs

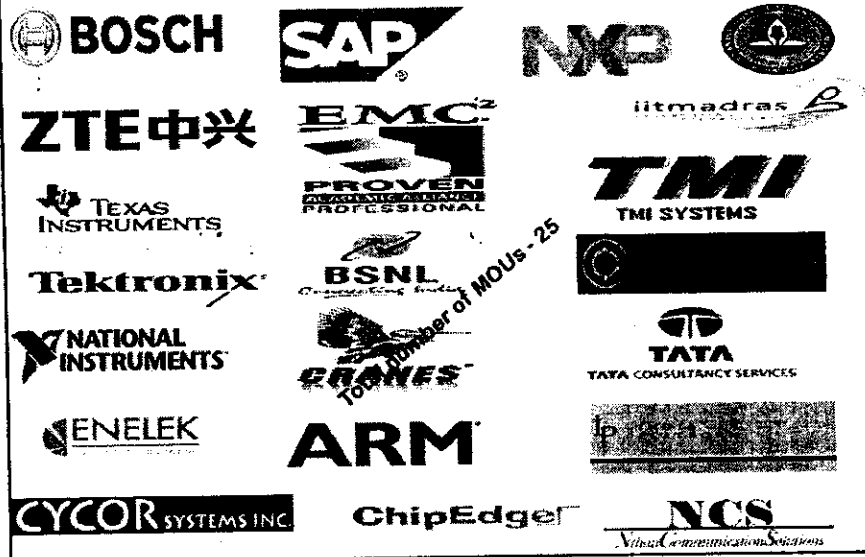


enhance

self learning/ problem solving/ understand complex problems/ working in a team/ multi-discipline approach



MOUs with Industry/Institutions



Innovative Practices - Beta Partner



Robert BOSCH - Create augmented reality tools in various courses. Augmented reality enhances your current perception of reality. The view of a real-world environment is augmented with computer-generated information in real-time based on sensory inputs such as linear acceleration, rotation, gravity.

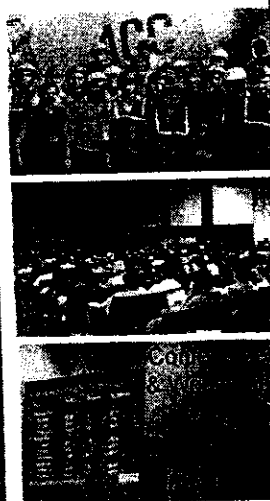
Tektroniks - For Evaluating the new solution oscilloscope and associated software, suggesting improvement ideas and developing courseware (20 lab experiments)



Wiksate - Wiksate helps to create formal, social and experiential learning footprints, disseminate knowledge and increase employability of graduates.

Summary of Academic Activities in 2013

SNo	Particulars	Total
1	Industrial Visits	55
2	Details of Invited/Guest/Expert Lectures organized	135
3	Faculty Presented papers in Conferences in India	125
4	Faculty Presented papers in Conferences abroad	16
5	Faculty published papers in refereed journals	147



Research & Development - Outcomes

Number of Research Centers	15
Number of Research Guides	87
Number of Research Scholars obtained PhD Degree	36
Number of Research Scholars obtained M.Sc (Engg)	08
Number of Research Scholars pursuing PhD	182
Number of Research Scholars pursuing M.Sc (Engg)	34
Number of Research Scholars submitted PhD Thesis	07
Number of Research Scholars submitted M.Sc (Engg) Thesis	01

Research, Consultancy & Patents

Number of Ongoing External Research Projects

22 projects with a total grant of Rs.815.93 Lakhs

Number of External Research Projects completed since 2009

14 projects with a total grant of Rs.125.56 Lakhs

Number of Ongoing Internally Funded Research Projects

14 projects with a total grant of Rs.15.00 Lakhs

Number of projects applied for external funding

17 projects with a estimated cost of 365 Lakhs

IRG through consultancy (39 projects) in 2010-11 - 21.88 Lakhs

IRG through consultancy (55 projects) in 2011-12 - 18.05 Lakhs

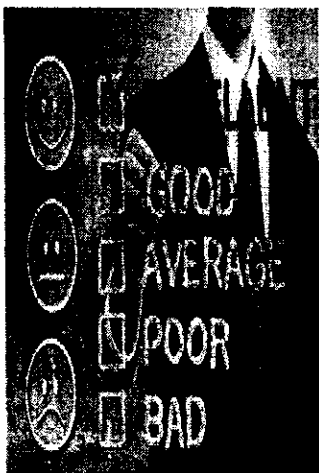
IRG through consultancy (79 projects) in 2012-13 - 63.05 Lakhs

IRG through consultancy (29 projects) in 2013-14 - 21.00 Lakhs

Number of Patents Granted 08, Pending 27

[Quality Assurance]

Student Feedback



- Regular on-line student feedback (three times in a semester) is obtained on their respective course faculty members
- Regular on-line student feedback (once in a year) is obtained on the institutional facilities
- Regular on-line faculty feedback (once in a year) is obtained on their respective HODs & Principal
- Based on the feedback received from various stake holders, counseling is provided to those staff for improving their performance

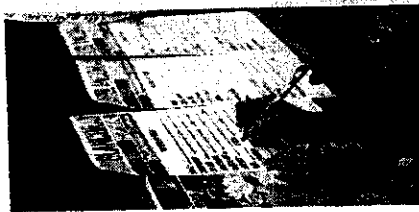
Academic Support Centers

EDC



<http://www.bmsce.in/EDC/index.html>

- Established EDC in 2012
- Eight students are having their own start-ups
- Eighteen ideas are being floated
- Partner with NEN network
- Ideation trips



Student Support

- Multi-disciplinary Forums
- Professional Bodies-IEEE, IET, SAE, CSI etc.,
<http://www.bmsce.in/bms-ieee/>
- Women in Engineering
- Alumni Scholarships
<http://bmsce.bmscealumni.net/>
- National Service Scheme
- Student Forums / Clubs
<http://www.bmsce.in/students-activities>
- Peer Learning
- Cash incentive to student achievers
- Language Laboratory
- Foreign language courses (French & German)



Student Support

Industrial, Field & Site visits for hands-on training
Providing exclusive library slots for slow-learners
Accessible website
Group Medical Insurance
Campus Book Mart
Reprographic facility
Auditorium/Conference Halls
Cafeteria & Coffee Vending Outlets
Bank with ATM Facility
Digital Classrooms
Ladies Lounge
Cultural Forum



55th BOG MEETING - AGENDA ITEMS

Section 1: ITEMS FOR CONFIRMATION

- 1.1 CONFIRMATION OF THE MINUTES OF THE 53rd & 54th BOG MEETINGS HELD ON 21ST NOVEMBER 2013 & 13TH JANUARY 2014 RESPECTIVELY.

Section 2: ACTION TAKEN REPORT

- 2.1 ACTION TAKEN NOTE ON THE DECISIONS / RESOLUTIONS TAKEN IN THE 53RD BOG MEETING HELD ON NOVEMBER 21, 2013

55th BOG MEETING - AGENDA ITEMS

Section 3: COLLEGE REPORT

A BRIEF REPORT ON THE ACTIVITIES OF THE COLLEGE FOR THE ACADEMIC YEAR 2013-14

- 3.1 REPORT ON THE STATUS OF NBA EVALUATION IN TIER - I SYSTEM OF ACCREDITATION (OUTCOME BASED EDUCATION)
- 3.2 REPORT OF THE ACADEMIC ACTIVITIES OF THE COLLEGE
- 3.3 REPORT ON THE ACTIVITIES OF BMS COLLEGE OF ENGINEERING ALUMNI ASSOCIATION
- 3.4 REPORT ON THE MOUs WITH VARIOUS GOVERNMENTAL & NON-GOVERNMENTAL ORGANIZATIONS

55th BOG MEETING - AGENDA ITEMS

Section 3: COLLEGE REPORT (Continued)

A BRIEF REPORT ON THE ACTIVITIES OF THE COLLEGE FOR THE ACADEMIC YEAR 2013-14

- 3.5 ADMISSION TO PG (M.Tech. PROGRAMMES) - GATE CANDIDATES ENROLLMENT FOR THE YEAR 2013-14
- 3.6 REPORT REGARDING STATUS OF THE FUNDS (FIXED DEPOSITS) CREATED UNDER TEQIP II NORMS
- 3.7 PROPOSAL TO CONDUCT A ONE DAY INTERNATIONAL SYMPOSIUM IN COLLABORATION WITH UNIVERSITY OF TWENTE (UT), THE NETHERLANDS
- 3.8 VISITS BY BMSCE FACULTY MEMBERS TO PREMIER INSTITUTIONS WITH A VIEW TO ADOPT BEST PRACTICES AND TO ESTABLISH COLLABORATIONS WITH INDIAN/ FOREIGN UNIVERSITIES

55th BOG MEETING - AGENDA ITEMS

Section 4: ITEMS FOR APPROVAL

- 4.1 REPORT REGARDING PROPOSED ONE DAY INTERNATIONAL CONFERENCE IN COLLABORATION WITH INDO-US COLLABORATION IN ENGINEERING EDUCATION
- 4.2 REVISION IN STAFFING PATTERN DUE TO VARIATION IN INTAKE/INTRODUCING NEW PROGRAMMES
- 4.3 PERFORMANCE BASED INCENTIVE MEASURE - PROPOSAL TO ENHANCE REWARD/ INCENTIVE SYSTEM FOR PROMOTING FACULTY RESEARCH AND FETCHING EXTERNAL GRANTS FROM AICTE, INDUSTRY OR OTHER SOURCES

55th BOG MEETING - AGENDA ITEMS

Section 4: ITEMS FOR APPROVAL

- 4.4 PERFORMANCE BASED INCENTIVE MEASURE - CONSIDERATION OF THE PROPOSED REVISION IN AWARD OF CASH INCENTIVES FOR RESEARCH PUBLICATIONS IN THE REFERRED INTERNATIONAL /NATIONAL JOURNALS BY THE FACULTY MEMBERS
- 4.5 PERFORMANCE BASED INCENTIVE MEASURE (New) INSTITUTION OF INTELLECTUAL PROPERTY RIGHTS POLICY (IPR Policy)
- 4.6 APPROVAL OF THE REVISED BUDGET FOR THE FINANCIAL YEAR 2013-14 & THE DRAFT BUDGET FOR THE FINANCIAL YEAR 2014-15

55th BOG MEETING - AGENDA ITEMS

Section 5: ITEMS FOR RATIFICATION

- 5.1 IMPLEMENTATION OF GUIDELINES FOR ASSESSMENT AND EVALUATION OF THE FACULTY PERFORMANCE
- 5.2 MINUTES OF THE MEETINGS OF THE FINANCE COMMITTEE
- 5.3 REVISIONS IN THE BENEFITS UNDER FAMILY WELFARE FUND (FWF)
- 5.4 DEPUTATION OF Dr.S.M.SURESH, ASSOCIATE PROFESSOR, DEPT. OF MECHANICAL ENGINEERING, AS DIRECTOR AT AICTE, NEW DELHI

55th BOG MEETING - AGENDA ITEMS

Section 5: ITEMS FOR RATIFICATION

- 5.5 REPRESENTATION FROM Dr.S.M.SURESH, ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING
- 5.6 REPRESENTATION FROM Dr.S.M.SURESH, ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGG.
- 5.7 REPRESENTATION FROM DR.B.RAVISHANKAR, PROFESSOR, DEPT. OF IEM
- 5.8 REPRESENTATION FROM SRI.B.SUDARSHAN, ASSISTANT PROFESSOR, DEPT. OF MECHANICAL ENGINEERING TO ISSUE NOC FOR PURSUING PhD.

55th BOG MEETING - AGENDA ITEMS

4.6: BUDGET

**ACTUALS FOR THE FINANCIAL YEAR
2013-14**

and

**APPROVAL OF THE DRAFT BUDGET FOR
THE FINANCIAL YEAR 2014-15**

55th BOG MEETING - AGENDA ITEMS

4.6: BUDGET- Major accomplishments in the FY. 2013-14

- TE-Established Networking Software (Qualnet) Lab
- TE-Established Antena Design & testing Software Lab
- CH-Established Bio-Chemical Engineering lab
- ML-Bio-medical hardware lab
- BT-Animal Cell Culture Lab
- Established R&D Centre
- Established e-governance cell
- PHY-Conducting Polymer Composites Lab
- Augmented Language Laboratory
- Augmented EDC, SAE, Aerospace facilities for Students
- Established 3D printing laboratory
- Augmented Infrastructure

55th BOG MEETING - AGENDA ITEMS

4.6: Budget-Proposed activities for the financial year 2014-15

New BMS Propel labs (BMS Propel Labs) - to create a nurturing environment for BMSCE students and faculty to apply the engineering principles in innovative projects

- 3D Printing Laboratory
- Robotics Laboratory
- SAE Automotive Laboratory
- SAE Aerospace Laboratory
- Space Laboratory

55th BOG MEETING - AGENDA ITEMS

4.6: Budget-Proposed activities for the financial year 2014-15

Departmental Laboratories *New*

EC-Digital Communication Laboratory

PHY- Air Quality Monitoring System Laboratory

PHY - Enhancing first year Physics lab capacity

CV - Enhancing CAD lab facility due to increased intake

MAT-Mathematics Laboratory

Research & Development *New*

Research promotion (research assistants/scholars)

IPR Policy

Research Labs in Nano Materials, Liquid Crystals and Organic Chemistry

55th BOG MEETING - AGENDA ITEMS

4.6: Budget-Proposed activities for the financial year 2014-15

Other activities

Performance Based Incentives

E-governance

Academic affiliation with IET

~~New~~ Educational Reforms-Recording of Lectures
(Live classroom/lecture capturing/ recording)

55th BOG MEETING - AGENDA ITEMS

4.6: Budget-Proposed activities for the financial year 2014-15

International Conferences ~~New~~

- 1) International Conference on Transformations in Engineering Education (ICTEE 2015) in association with IUCEE (Institutional level)
- 2) International Conference on Sustainable materials and technology in Civil Engineering (Civil Engineering)
- 3) International Conference on Advances in Materials & Manufacturing Engineering (Mechanical Engineering)
- 4) International Advance computing Conference 2015 (IACC 2015) in association with IEEE (Computer Science Cluster)
- 5) International Conference on MOOC, Innovation and Technology in Education, IEEE MITE 2014 in association with IEEE (Telecommunication Engineering)
- 6) International Conference on Preventive healthcare devices (Medical Electronics Engineering)
- 7) International Conference on Automotive Electronics (Electronics Engineering)

55th BOG MEETING - AGENDA ITEMS

Section 6: ANY OTHER ITEMS

- 6.0 ANY OTHER SUBJECT/S WITH THE PERMISSION OF THE CHAIR**
- 6.1 RATIFICATION AND APPROVAL OF THE MINUTES OF 9TH MEETING OF THE BOG SUB-COMMITTEE ON TEQIP-II**
- 6.2 FURNITURE/IT REQUIREMENT POLICY FOR ALL THE FACULTY MEMBERS**

THANK YOU...

BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 55th Meeting

April 7, 2014

ANNEXURE-II

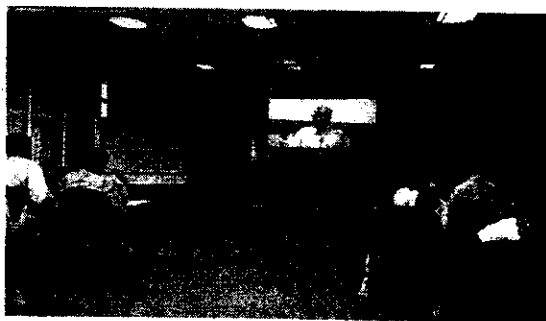
REPORT OF THE ACADEMIC ACTIVITIES OF THE COLLEGE
FROM JANUARY 2014 TO MARCH 2014



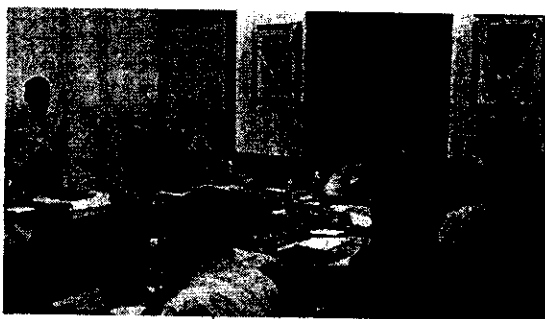
BMS COLLEGE OF ENGINEERING BANGALORE
Autonomous College under VTU

REPORT ON COLLEGE ACTIVITIES - January 2014

Jan 02: Two weeks ISTE Workshop on **Signals & Systems** - organized by Departments of TE/MCA in association with IIT, Kharagpur from Jan 02-12, 2014 for faculty



Jan 10: Meeting of the Council of Trustees – a review on Strategic Planning was presented



Jan 13: Meeting of the 54th BOG – TEQIP II implementation activities was placed



Jan 13: Two weeks Faculty Development Programme on **Digital Front End Design and implementation Using Synopsis Tools** - organized by Department of Electronics Engineering from Jan 13-25, 2014 sponsored by TEQIP for faculty



Jan 16: One week training programme on **LabVIEW & Applications** - organized by Department of Electrical Engineering from Jan 16-22, 2014 sponsored by TEQIP for faculty, Research Scholars & PG students



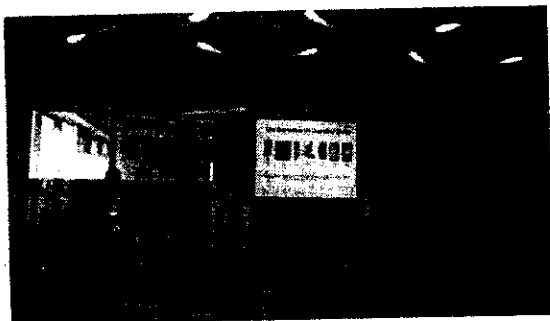
Jan 17: Participation of the BMSCE faculty in the International Conference in Transformation of Engineering Education



BMS COLLEGE OF ENGINEERING BANGALORE
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REPORT ON COLLEGE ACTIVITIES - January 2014

hosted by BVB College of Engineering
Hubli.



Jan 18: BOA- Recruitment of faculty for
TE, EC & IM Departments

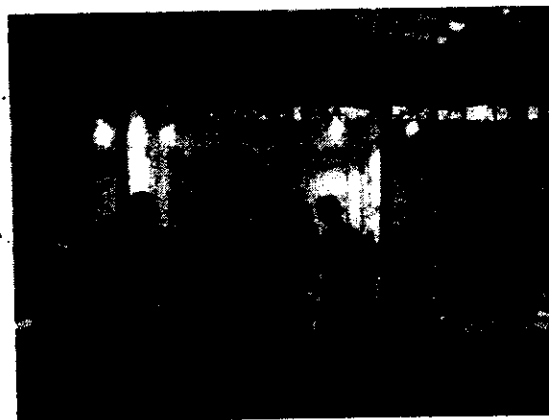
Jan 20: One week Faculty Development
Programme on **Intelligent Machines and
Systems**- organized by department of
Mechanical Engineering from Jan 20-25,
2014 sponsored by TEQIP for faculty &
students



Jan 20: BOA- Recruitment of faculty for
EC Department

Jan 21: Meeting of the HODs to discuss
regarding framing of First Year Scheme &
Syllabus for the academic year 2014-15

Jan 25: IMTEX 2014 on **Forming
Technology and Tool Tech** was organized
by the Department of Mechanical
Engineering



Jan 26: The College celebrated the Republic
Day at 10.00 AM.



BMS COLLEGE OF ENGINEERING BANGALORE

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REPORT ON COLLEGE ACTIVITIES - January 2014



Jan 27: One week Workshop on Development in Hydraulic and Pneumatic Controls - organized by department of Mechanical Engineering in association with Fluid Power Society of India from Jan 27-31, 2014 sponsored by TEQIP for faculty



Jan 27: QEEE Pilot Program – Our College one among the first set of colleges to attend the live classes of QEEE Pilot Program



Jan 27: One week Workshop on Complete Cloning and Hybridization - organized by department of Bio-Technology from Jan 27 –Feb 1, 2014 for faculty



Jan 27: Birthday celebration of our Donor Trustee Dr.B.S.Ragini Narayan



BMS COLLEGE OF ENGINEERING BANGALORE
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REPORT ON COLLEGE ACTIVITIES - January 2014



Jan 28: Installation of Air Quality Monitoring System in the new lab in the Department of Physics

Jan 28: Submission of R&D Project proposal on **Data Analytics for Student Employability, Performance and Behaviour Modelling in Indian Context** under Extra Mural Research Funding Scheme following the guidelines provided in the SERB website of DST. The estimated cost of the project is Rs.17,93,015

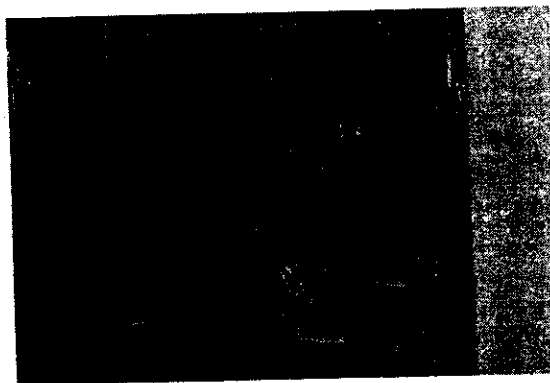
Jan 29: Visit of Dr. Shyamlee Solanki, Controller of Examination and Dr. Jadhav, Professor, Dept. of Mechanical Engineering from Sardar Vallabhai Patel Engineering College, Mumbai, to see the examination procedures adopted in our College



Jan 29: Inauguration of new Lifts in P.G. Block



Jan 29: Inauguration of new R & D Laboratory in department of Computer Science Engineering





BMS COLLEGE OF ENGINEERING BANGALORE
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REPORT ON COLLEGE ACTIVITIES - January 2014

Jan 29: Inauguration of additional floor for the Department of Architecture in Workshop Complex



Jan 30: Two day Workshop on Leadership and Team Building - organized by department of MBA from 30-31, 2014 for all the HODs from BMSCE & BMSIT. The faculty from M/s Emergent Institute conducted the Workshop



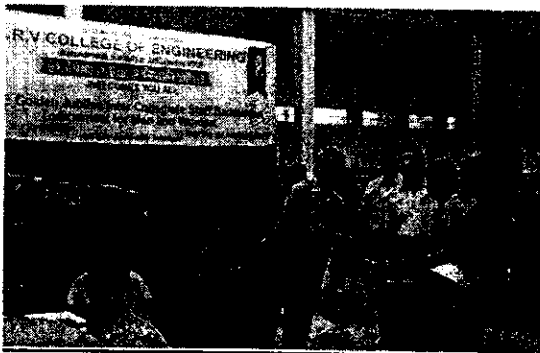
BMS COLLEGE OF ENGINEERING BANGALORE
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REPORT ON COLLEGE ACTIVITIES - February 2014

Feb 01: The College organized **Annual Staff Day** at 5.30 PM in the Indoor Stadium. The Annual Staff Day is the event of get-together of all the Staff of BMSCE

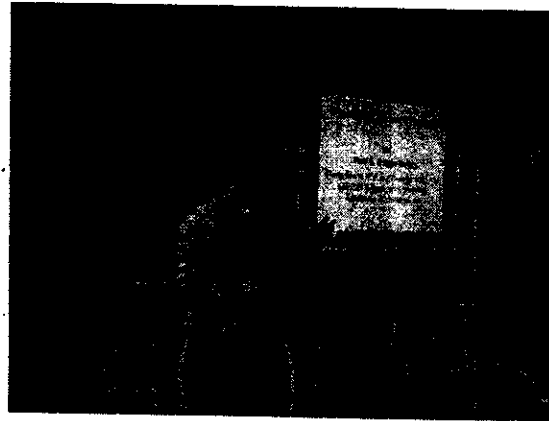


Feb 01: BMSCE Staff (Men-above 45 years & below 45 years age) secured first and second place in respective categories in Staff Inter-collegiate Badminton Tournament organized by R.V. College of Engineering as a part of their Golden Jubilee celebrations



Feb 03: Interview for three candidates for PhD admission under QIP was held in the Department of Electronic & Communication Engineering

Feb 03: Department of Instrumentation Technology had organized an Extension Lecture on "Steps on R&D Improvement & Collaboration with Foreign Universities". The lecture was delivered by Dr.L.Prathap Reddy, Director, R&D, JNTU, Hyderabad



Feb 04: BMSCE signed MOU with Wiksate Solutions Private Ltd., Pune; Wiksate helps to create formal, social and experiential learning footprints, disseminate knowledge and increase employability of graduates. Wiksate is a collaborative platform where students can record, share and showcase their learning, connect and interact with alumni and others



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REPORT ON COLLEGE ACTIVITIES - February 2014

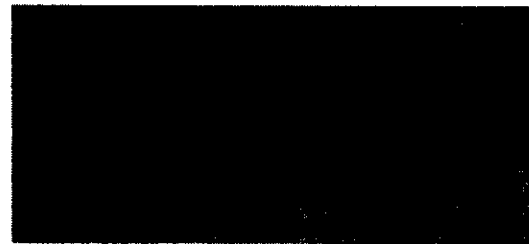


Feb 04: Visit of Team FluxGen with Micro Energy International, Berlin to BMSCE Campus



Feb 06: TEQIP-II – COE Review Workshop Dr.K.Chattopadhyay, Chairman of Mechanical Sciences Division in IISc., visited BMSCE to review the progress of Center of Excellence in Advanced Materials Research. Prof.B.S.Sonde, mentor (TEQIP-II) & Prof.D.Thukaram, Chairman of BOG Sub-committee of TEQIP-II were also present

Feb 06: BMSCE Student Pranav P Madhusudan of 2nd year IEM came in the Deccan Herald's supplement Metro life on 6th of February 2014 for the article COLLEGE FASHION



Feb 06: Discussion with final year Mechanical Students regarding the Academic improvement & seeking suggestions for incorporating them as a part of curriculum for enhanced learning



BMS COLLEGE OF ENGINEERING BANGALORE
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REPORT ON COLLEGE ACTIVITIES - February 2014



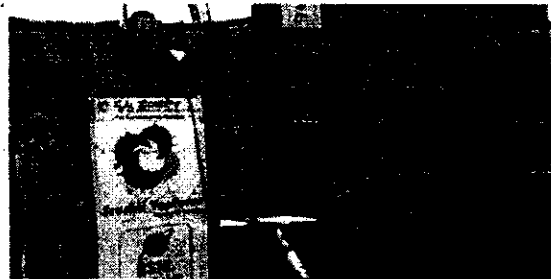
Feb 08: Our students (Shravan S.K., Mahesh Kumar Hiremath, C.P.Siddesh Ujjni, B.R.Srikanth) are the winners of MEC-Algo-Rhythm, a nationwide contest organized by Microsoft Research Group. Dr.M.Indjramma, Professor, Department of CS accompanied the students

Feb 08: ASHRAE Orientation Program - Introduction of American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE) – Student Chapter; - organized by Department of Mechanical Engineering for students. Sri.T.Hari Rao & Sri.Sathish N Iyengar, President, ASHRAE, Bangalore Chapter and Sri.Madhukar, Chairman (Chapter Technology Transfer Chair) ASHRAE, Bangalore were invited

Feb 08: Department of MBA had organized a Guest Lecture on "Entrepreneurship". The lecture was delivered by Ms.Sreekala, Managing Director, Robo Cool Pvt., Ltd

Feb 08-09: BMSCE hosted the two-day Vidyarthi Pustaka Parishe (in association with Srushti Ventures) on 8th & 9th of February 2014 as a part of community service & social responsibility. The two-day programme was well received with the participation of nearly 15,000 students. More than 2.5 lakh academic books were

distributed during the two-day Pustaka Parishe



Feb 08: Dr.Y.S.Rammohan completed his PhD from IIT-Madras



Feb 08: Birthday celebration of our Trustee, BMSET & Chairman, BOG Dr.P.Dayananda Pai





BMS COLLEGE OF ENGINEERING BANGALORE

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REPORT ON COLLEGE ACTIVITIES - February 2014

Feb 10: One week Workshop on Real Time Signal Processing - organized by Departments of EE/ML from Feb 10-15, 2014 sponsored by TEQIP & Initiative of Industry Institute Interaction Cell for faculty.



Feb 10: Discussion with Mr.Rajkamal Rao (Alumni) on providing a formalized, structured higher education counseling program for BMSCE Students

Feb 10: Free Eye Test Camp at Campus under NSS Unit



Feb 11: Dr.P.Dayananda Pai, Chairman, BOG, addressed all the faculty members of EE/IS/TE/CS in connection with NBA visit.

Feb 11: Dr.K.Vijayakumar has been sanctioned UGC grants for his project titled "Teacher Recruitment Modelling using partitioning based data mining approaches" which was approved in March 2013



Feb 13: Department of Mechanical Engineering had organized an Extension Lecture on "Magnetic Bearings". The lecture was delivered by Dr.Rajiv Tiwari, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Guwahati



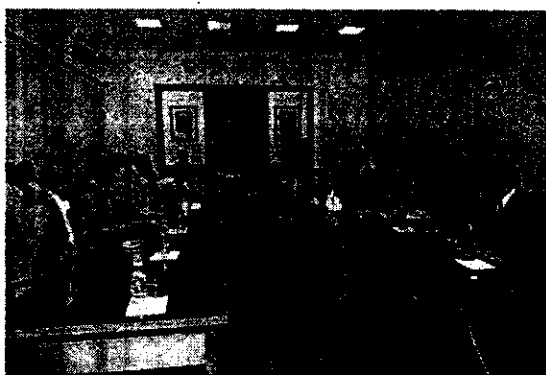
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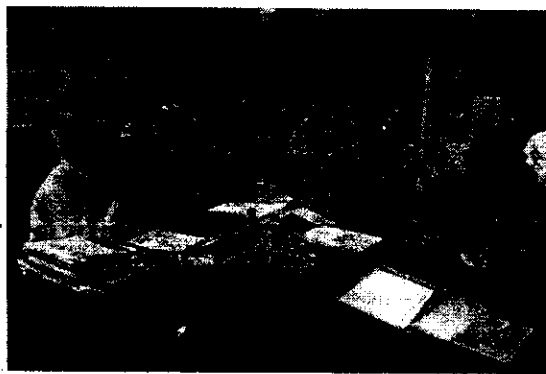
REPORT ON COLLEGE ACTIVITIES - February 2014



Feb 14-16: NBA Expert Team visited BMSCE for evaluating UG programs in EE, TE, CS & IS. This evaluation is Tier-I category (new format). BMSCE has the unique distinction of this accreditation as the institution is the first one to opt for such kind which is based on Outcome Based Education. This marks completion of 09 UG programs in Engineering out a total of 12



UG Program in Electrical & Electronics Engineering



UG Program in Telecommunication Engineering



UG Program in Computer Science & Engineering



UG Program in Information Science & Engineering

Report by Dr. K. Mallikharjuna Babu, Principal, BMSCE 28.02.2014

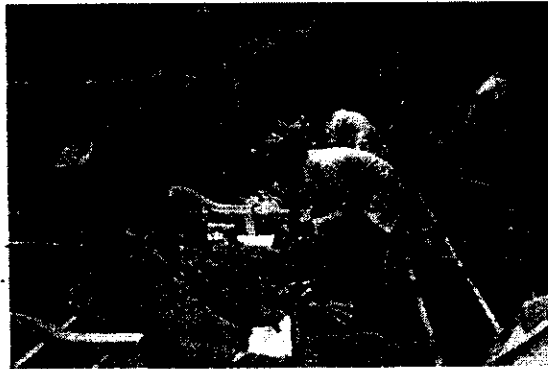


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REPORT ON COLLEGE ACTIVITIES - February 2014



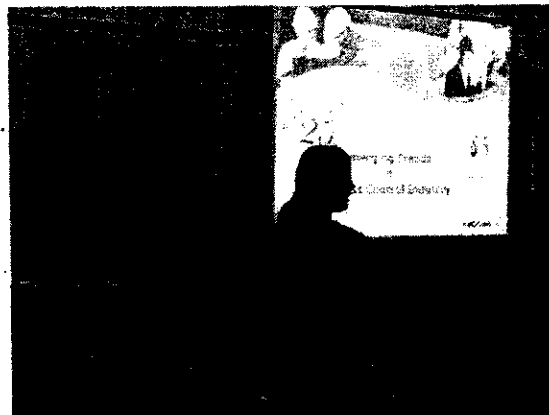
Discussion with BOG & Academic Council members



Feb 15: Department of Instrumentation Technology had organized an Extension Lecture on "Emerging Trends in process Automation". The lecture was delivered by Mr.Kiran, Mr.Rajesh Singh, Mrs.Padma, Deputy Manager (Training) Customer Service Division, YOKOGAWA Ltd., Bangalore



Feb 15: NSS - Blood Donation Camp at Campus



Feb 17: Department of MBA had organized a Guest Lecture on "Indian Macroeconomic factors and its impact on financial markets". The lecture was delivered by Mr.Rakesh Lavi, Program Manager, Stock Market Institute



Feb 18: Department of MBA had organized a One Day Workshop on "How to select a

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topic for your project?”. The lecture was delivered by Mr.B.Suresh, Associate Professor, Department of MBA, Christ University, Bangalore

Feb 18: Department of MBA had organized a One Day Workshop on “VTU Project guidelines”. The lecturer was delivered by Mr.S.N.Murthy, Professor, Department of MBA, RNSIT, Bangalore

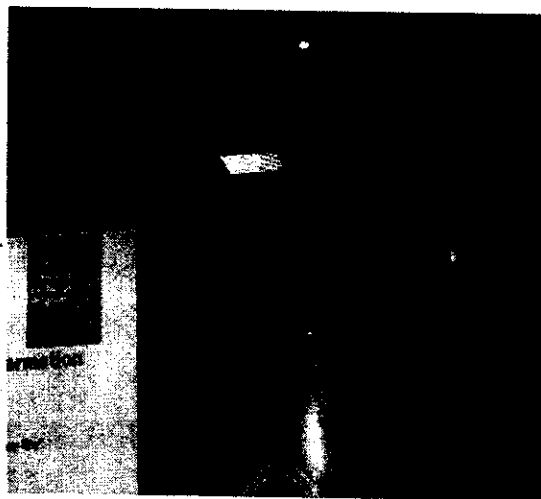
Feb 19: As per the directions of the Letter No. ED 227 TGL 2013, dated: 14/02/2014 of The Principal Secretary, Higher Education, Bangalore, with regard to implementation of TEQIP activities, a meeting was held at 11.30 AM at SPFU at TEQIP Conference Hall under the Chairmanship of the Director of Technical Education



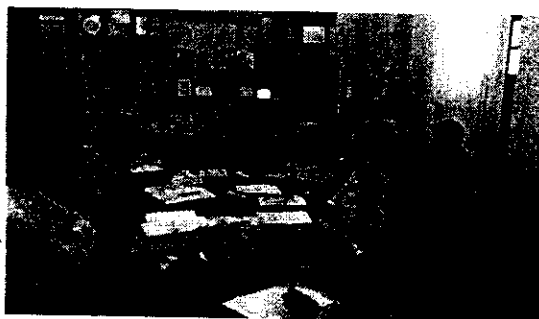
Feb 19: Meeting of the HODs at 3.30 PM to discuss regarding academic, finance and TEQIP matters

Feb 19: Department of Instrumentation Technology had organized an Extension Lecture on “Study Abroad-Perspective for US Aspirants”. The lecturer was delivered by Dr.Vanita Misquita, Director, Overseas

Programme, Illinois Institute of Technology, Chicago



Feb 21: Dean's Council meeting



Feb 21: Department of Architecture hosted One Day Workshop on “Inspection Reforms – Experts Training Programme” conducted by Prof.Abhay Purohit in BSN hall. The workshop was conducted by Prof.Abhay Purohit, Principal, Institute of Design & Architectural Studies, Nagpur on behalf of COA



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Feb 21: BMSCE hosted the Nokia Idea Competition on App "Your Wish My App" Both the Prizes available were bagged by MBA Student teams of BMSCE. Team1- Mr.Amit & Ms.Vanashree and Team-2 Mr.Lokesh & Others.

Feb 22: Department of MCA conducted an Extension Lecture on "Cloud Computing – In and Around". The lecture was delivered by Mr.P.Raghavan, Excelsoft Technologies Pvt., Ltd., Bangalore.

Feb 22: Department of Mechanical Engineering organized a three day Symposium on Air & Space Technology ANTARIKSH (Feb 22-23, 2014). The event was sponsored by TEQIP-II. Padmashri Prof.R.M.Vasagam, Former Scientist, ISRO,

Project Director, APPLE was the Chief Guest.



Feb 22: Department of Instrumentation had organized an Extension Lecture on "Latest Trends in Automation". The lecture was delivered by Mr.R.Venugopal, Director, Venjay Systems, Bangalore



Feb 22: Department of MBA had organized an Extension Lecture on "Industry expectations on Talent acquisition". The lecture was delivered by Mr.Mathew Abraham, Head – HR Operations, Wipro Technologies



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Feb 22: BMSCE Students (a team of 25) have bagged the first prize in semi-classical category in Deccan herald Brain & Beats inter-colligate festival

Students dance to glory

BANGALORE: The second day of the Deccan Herald Brain & Beats inter-colligate festival on Friday saw a number of talented dancers from over 50 colleges competing for the coveted crown of "Beats" champion.

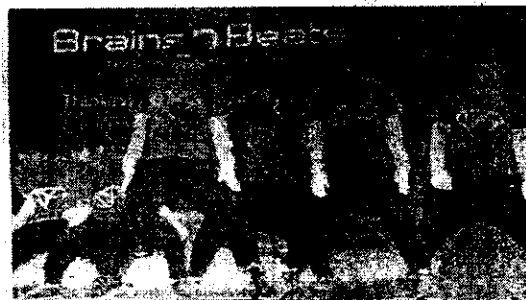
The dancing was held at the auditorium of the Deccan Herald Brain & Beats inter-colligate festival. The students from BMSCE performed a semi-classical dance, which was highly appreciated by the judges.

Finally, the BMSCE team, who were in the semi-classical category, BMS College of Engineering, took home the first prize of Rs. 20,000. BMS Degree College won the second prize of Rs. 10,000 and PES Pharmacy College the third prize of Rs. 5,000. A consolation prize of Rs. 2,000 was given to BMS College of Women in Technology.

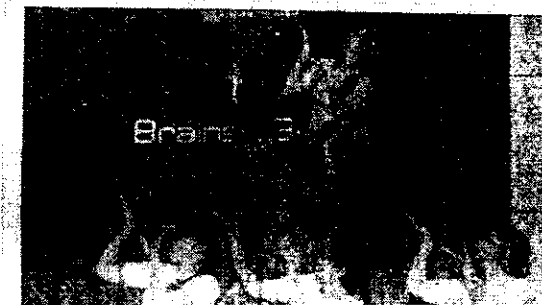
A total of 50 dancers participated in the competition, which was held at the auditorium of the Deccan Herald Brain & Beats inter-colligate festival.

The event was organized by the Deccan Herald Brain & Beats inter-colligate festival. The students from BMSCE performed a semi-classical dance, which was highly appreciated by the judges.

The students from BMSCE performed a semi-classical dance, which was highly appreciated by the judges. The event was organized by the Deccan Herald Brain & Beats inter-colligate festival.



Students from BMS College of Engineering performed a semi-classical dance competition organized by Deccan Herald Brain & Beats inter-colligate festival.



Feb 23: BMSCE Architecture faculty's article "Rejuvenate your home with water" was published in Times of India

REJUVENATE YOUR HOME WITH WATER

Architect Bhaghyalaxmi Madapur has some ideas to help you design a water feature at home

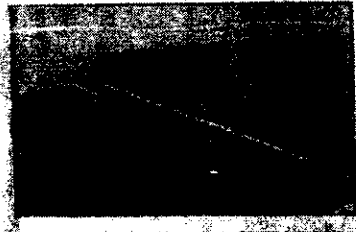
*** WATER HAS ALWAYS BEEN A SOURCE OF REFRESHMENT, the sound of it flowing soothing the nerves, feeding one with the feeling of being rejuvenated. Water features in a residence invariably find a positive outcome, in a quiet landscaped garden, in a courtyard, or in a terrace garden. Interestingly, this refreshing feature can also be brought into the interior and subtly change the ambience of the space.**

Water features can feature in the interior in a subtle manner courtyard, under the staircase, as part of an outdoor-themed lounge and living space, in an open-to-sky dining room or even be incorporated into a large patio on the upper level.

While deciding on the kind of water feature to be incorporated and the space it needs to feature in, it is important to assess the space available and the quantum of natural light that seeps in.

Abundant natural light is very essential for a water feature to hold its refreshing aura in the space. Also, playing a large water body in an already cramped space will negate the very purpose of introducing it in the interior. The shape, size as well as the nature of the water feature will thus be dictated by space, theme and natural light that the interior affords.

A large inner courtyard is an excellent space to introduce a charming water feature. This could be a circular or rectangular pond in the courtyard, overlooking the dining or even living area. The water body could be in the form of a simple water feature with a fountain or a more elaborate one with a waterfall.



One shape as it. This could be a large water body in the courtyard, overlooking the dining or even living area. The water body could be in the form of a simple water feature with a fountain or a more elaborate one with a waterfall.

The water feature could be in the form of a small, circular or rectangular pond in the courtyard, overlooking the dining or even living area. The water body could be in the form of a simple water feature with a fountain or a more elaborate one with a waterfall.

A smaller feature, such as a small, circular or rectangular pond in the courtyard, overlooking the dining or even living area. The water body could be in the form of a simple water feature with a fountain or a more elaborate one with a waterfall.

The water feature could be in the form of a small, circular or rectangular pond in the courtyard, overlooking the dining or even living area. The water body could be in the form of a simple water feature with a fountain or a more elaborate one with a waterfall.

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The water feature could be in the form of a small, circular or rectangular pond in the courtyard, overlooking the dining or even living area. The water body could be in the form of a simple water feature with a fountain or a more elaborate one with a waterfall.

Feb 24: The EDC Student members conducted a roadshow today in the campus on eve of upcoming E week in first week of March 2014.

Feb 25: BMSCE Civil Engineering department in association Indian Concrete Institute (ICI) Karnataka Bangalore Centre hosted the 5th edition of "Concrete Panorama & Deminar 2014. It was a two day national level event, Deminar cum Exhibition". The theme of DEMINAR 2014 is on "Innovative concrete materials and technologies" and will show case many new innovations in the field of concrete technologies to the participants and students



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Feb 26: Department of Mechanical Engineering had organized an Extension Lecture on "Significance of Non-Dimensional numbers". The lecture was delivered by Dr.G.R.Srinivasa, Former Professor & Dean, Dayananda Sagar College of Engineering, Bangalore



Feb 26: BMSCE-AA has Felicitated Mr.K.N.Murthy, one of the distinguished Alumnus from the 1964 Batch of Civil Department for his professional accomplishments. Last year Mr.K.N.Murthy was conferred with the Lifetime Achievement Award by the Asian & American Architects and Engineers Association. The programme was included with a technical talk by Mr.Murthy on "Transportation: a career that has depth, excitement and challenges" for the PG

students of Department of Civil Engineering.

A total of 18 distinguished alumni belonging to the 1950 to 1970 batches were also facilitated on the occasion. The BMSCE-AA awarded 53 merit scholarships to the current students.



Feb 28: Smt.K.R.Vasanthalakshmi, Second Division Assistant, superannuated from service

Report by Dr. K. Mallikharjuna Babu, Principal, BMSCE 28.02.2014



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Report by Dr. K. Mallikharjuna Babu, Principal, BMSCE 28.02.2014



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REPORT ON COLLEGE ACTIVITIES - March 2014

Mar 01: The College signed a MOU with "Rao Advisors LLC". The prime objective is to help & support BMS Students for a structured counseling program to better serve BMSCE students who wish to pursue higher studies in the United States.



Mar 01: Department of Electronics Engineering in association with ARM Embedded Systems Pvt., Ltd., India organized one day Workshop on "ARM Made Easy-8".

Mar 01: The Entrepreneurship Development Cell of B.M.S College of Engineering hosting its E-WEEK from March 01-07, 2014.



Mar 03: A review meeting was held for the First Year B.E./B.Arch. students

Mar 04: BMSCE signed MOU with Council of Scientific & Industrial Research, Bangalore to introduce a Co-operative Programme in Training & Research

Mar 04: Department of Mechanical Engineering organized an Extension Lecture on "Vibration Analysis using Computer Tools". The lecture was delivered by Dr.C.Nataraj, Chair, Dept. of Mechanical Engineering, Villanova University, Villanova, USA

Mar 07: The Principal on behalf of the Chairman, BOG, addressed all the faculty members of IM/ML/BT in connection with NBA visit.

Mar 07-09: NBA Expert Team visited BMSCE for evaluating UG programs in IM, ML & BT. This evaluation is Tier-I category (new format). BMSCE has the unique distinction of this accreditation as the institution is the first one to opt for such kind which is based on Outcome Based Education. This marks completion of 12 UG programs in Engineering

Mar 08: Department of MCA in association with Women In Engineering (BMSCE – WIE Affinity Group)" organized an Extension Lecture on "Outbound Learning. The lecture was delivered by Mrs.K.S.Asha and Mrs.Sudha Siddaiah, Skill Development Trainers, Forte Catalyst Talent Management Services



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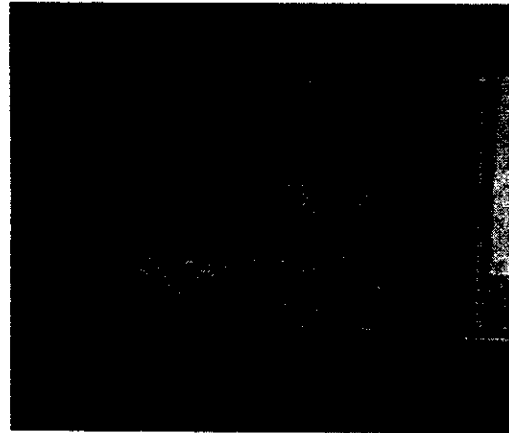


Mar 08: Department of Telecommunication Engineering organized Extension Lecture on "Concepts of Digital Communications". The lecture was delivered by Mr.Manohar. Award Solutions

Mar 08: Department of Telecommunication Engineering organized Extension Lecture on "HFSS for antenna applications". The lecture was delivered by Mr.Srinivas Bhat, Director, Sri.Sarath, HP Application Engineering Entuple Technologies Pvt., Ltd.

Mar 08: The Women Cell organized a Guest Lecture on the occasion of International Women's Day. Dr.Lakshmi V Pandit, Kempegowda Institute of Medical

Science, Bangalore, delivered a lecture on "Stress and Coping"



Mar 10: The Department of MBA organized Guest Lecture on "Where all to Invest? & Why?". The lecture was delivered by Mrs.Shubha Ganesh, Managing Director, Money Sshiksha Pvt., Ltd.

Mar 11-12: The Department of Physical & Sports organized VTU Inter-collegiate Bangalore Central Zone Foot Ball Tournament. The BMSCE won the tournament



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Kumar, Alumnus of 1978 batch, Principal, Vice Principal, Director (R&D) and Dean (Aca) participated in the meeting

Mar 14: Department-wise research proposal under Thrust Area were presented before the Committee chaired by Dr.A.Sridharan

Mar 15: Department of MCA in association with III-C, BMSCE and TCS Bangalore organized an Workshop on "Testing in Automation". Mrs.Shwetha Bet Ayala - Working as Automation Consultant in Assurance Services Department, Tata Consultancy Services and Miss.Forum Tanna (Alumnus of MCA department) currently working as Automation Lead in TCS bancs were the speakers



Mar 14: Meeting of the College Council at 11.30 PM discuss regarding academic, finance and TEQIP matters

Mar 14: Meeting to finalize the institutional IPR Policy at 3.30 PM under the Chairmanship of Dr.A.Sridharan was held. Mrs. Rachana Singh, Mr.Arvind Vishwanth, College Consultants on IPR, Dr.Vijay





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Mar 15: Department of Library & Information Centre in association with M/s Informatic India organized one day workshop on use of e-resources and discovery services - the digital way

was delivered by Mr.Sambha Shivalu, Singarani Coal Mines (AP)

Mar 20: Inauguration of Ladies Gym in the BMS Educational Trust Hostel

Mar 15: The Department of MBA organized Extension Lecture on "Financial Depletion of India". The lecture was delivered by Mr.Sai Charan, Executive Co-ordinator, Inner Voice of Bharath Pvt., Ltd.

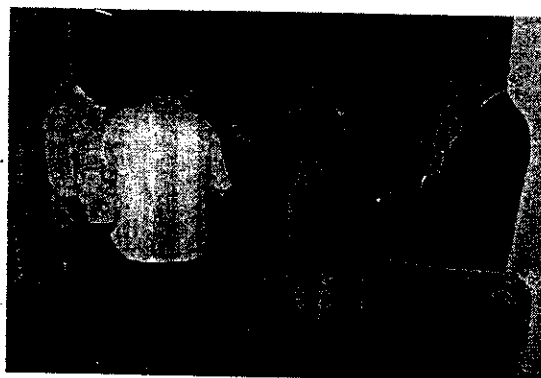
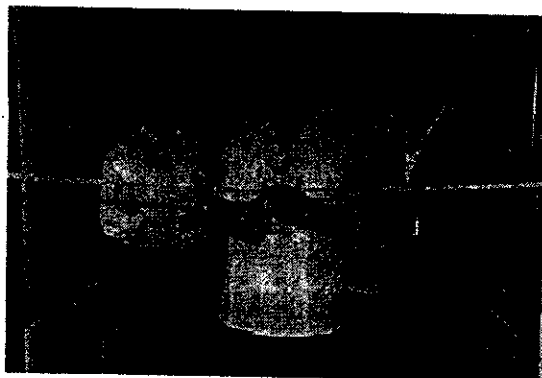
Mar 17: The Department of MBA organized Guest Lecture on "Performance Management". The lecture was delivered by Mrs.Nandita Chatterjee, NLP Master Practitioner

Mar 17: The Department of MBA organized Guest Lecture on "Employee Engagement". The lecture was delivered by Mrs.Nandita Chatterjee, NLP Master Practitioner

Mar 18: The Department of MBA organized Guest Lecture on "Succession Planning". The lecture was delivered by Mrs.Anita Vasudevan, Talent Management Professional

Mar 18: The faculty members (02) of the Department of MCA organized an Industrial Visit to TCS for the II semester MCA students. Sri.Srinivas Ramanujam interacted with students and outlined on upcoming technologies & soft skills required.

Mar 20: Department of IEM organized an Extension Lecture on "Industrial Engineering applications to enhance productivity and prosperity". The lecture



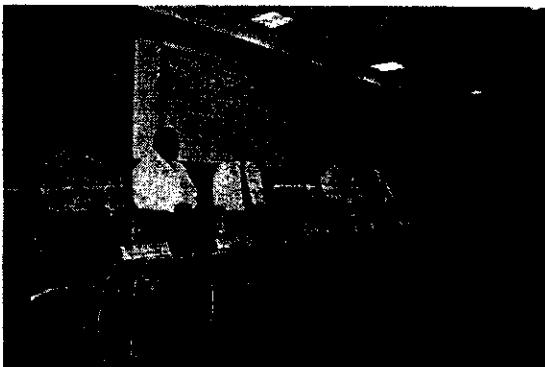
Mar 22: Department of Instrumentation Technology in association with ISA Bangalore Section organized the iACT 2014, 'ISA Automation and Control Tech Day 2014'



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delivered by Mr.Jinendra K Gugaliya, ABB, Bangalore

Mar 22: Department of MCA organized a Seminar on "Who Am I". The lecture was delivered by Mr.Srinivasa, S 4 Powerful Life, Bangalore

Mar 22: The Department of MBA organized Meet the CEO. Mrs.S.D.Saravana Guhgan, VP, Reliance Retail, delivered the lecture on "Retail Industry – Growth & Opportunities

Mar 25: Four students of Telecommunication Engineering were awarded Samarpanam Mukunda Engineering Scholarship of Rs.5000/-



Mar 22: Department of Mechanical Engineering organized Extension Lecture on "Fluid Mechanics : Theory to Application". The lecture was delivered by Dr.Vengadesan, Professor, Department of Applied Mechanics, IIT-Madras, Chennai

Mar 22: Department of Electronics Engineering & Department of Medical Electronics organized two day Workshop on "Image Processing and Applications". Resource Persons: Dr.Sasi Sekar, Nano Pix, Ms.Zaheed, MAT Lab, Mr.Arvind, IISc., and others

Mar 22: Department of Chemical Engineering organized a Guest Lecture on "Model Predictive Control". The lecture was



Mar 26: Rotaract Club of BMSCE organized the "Installation Day" of the Club



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REPORT ON COLLEGE ACTIVITIES - March 2014

SPORTS ACTIVITIES:

**OVERALL CHAMPIONSHIP BY
SECURING TOTAL 31 POINTS IN
VTU FEST**

1. One Act Play - First Place
2. Elocution - First Place
3. Classical Instrumental Solo
(Non-Percussion) – First Place
4. Group Song (Western) - First Place
5. Folk Dance - Second Place
6. Clay Modeling - Third Place



FOOT BALL:

**Winners in the VTU Inter-Collegiate
Bangalore Central Zone Foot Ball
Tournament**

**Runners in the VTU Inter-Collegiate Inter
Zone Foot Ball Tournament**



VOLLEY BALL:

**Secured Second Place in the VTU Inter-
Collegiate Bangalore Central Zone
Volleyball (W) Tournament**

**Secured Third Place in the VTU Inter-Zone
Volleyball (W) Tournament**



**Runners in the VTU Inter-Collegiate
Bangalore Central Zone Volley Ball (M)
Tournament**



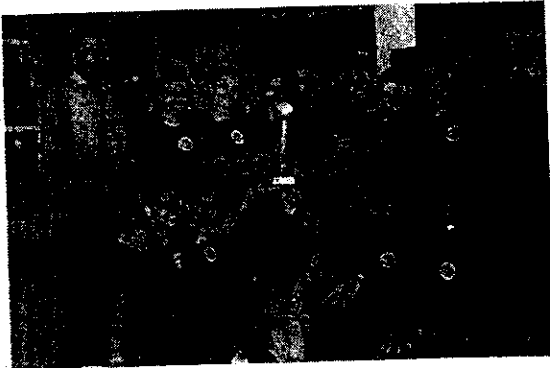
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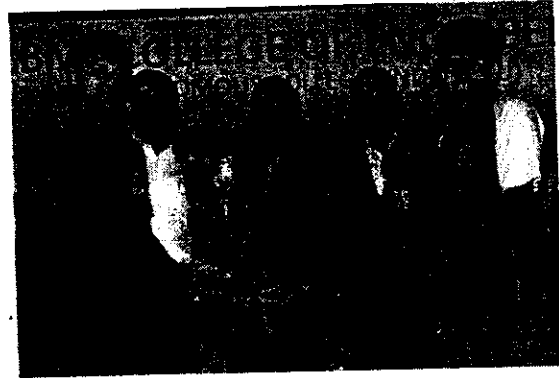
KHO KHO:

**Runners in the VTU Inter-Collegiate
Bangalore Zone Kho Kho Tournament**



TENNIS:

**Winners in the D A Pandu Memorial State
Level Inter Engineering Collegiate Tennis
Tournament (Men) Momentum - 14
organized by RVCE, Bangalore.**



BADMINTON:

**Runners in the D A Pandu Memorial State
Level Inter Engineering Collegiate
Badminton Tournament (Women)
Momentum - 14 organized by RVCE,
Bangalore.**



BASKET BALL:

**Winners in the GESTIONE 2014 State
Level Inter Collegiate Basket Ball
Tournament organized by RNSIT,
Bangalore**



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DANCE:

Dance Team (Eastern & Western Dance - First Place) at PESIT Fest - ATHMATRISHA



MUSIC:

Music Team (Indian group Music Team secured - First Place) at PESIT Fest - ATHMATRISHA



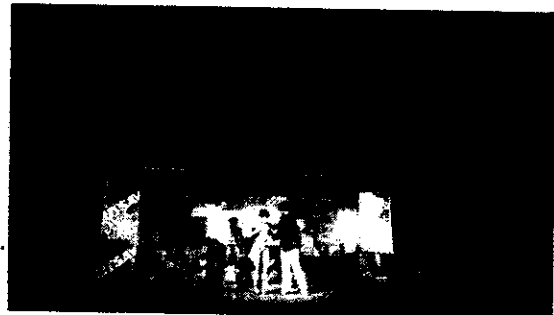
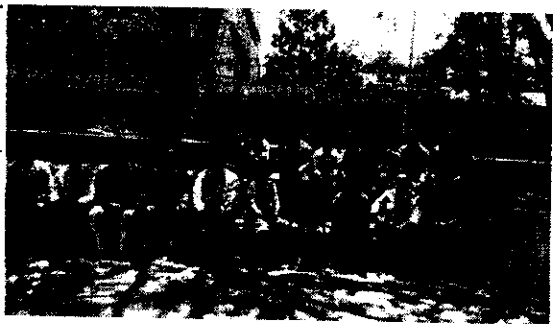
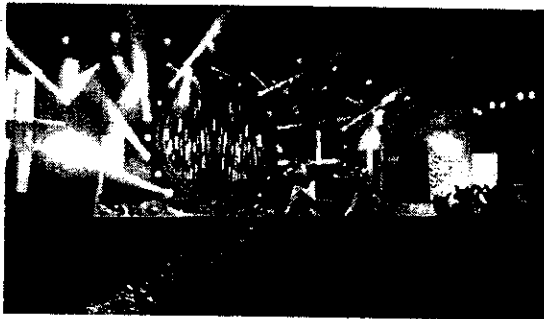


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REPORT ON COLLEGE ACTIVITIES - March 2014

UTSAV 2014:

Mar 28-30: UTSAV 2014 - Cultural Fest was organized in the College. Four students were honored by the TCS for AIP Best Student Project Award during this event. The students were awarded with Gold Medal (to each student) and Rs.20,000/- to the team of four.



BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 55th Meeting
April 7, 2014

ANNEXURE-III

**REPORT ON THE ACTIVITIES OF BMS COLLEGE OF
ENGINEERING ALUMNI ASSOCIATION**



BMS COLLEGE OF ENGINEERING, BANGALORE-19

(Autonomous College under VTU)



REPORT OF ALUMNI ASSOCIATION ACTIVITIES

BMSCEAA Office commenced its operations in November 2012. The Office started with a count of around 500 registrations done with the support of the EC Faculty members at this time. Networking with various other departments mainly the placement cell, the AA office started sending out emails to alumni from the then recently graduated students of the batches of 2010, 2011 and 2012. With the intent of publishing the existence of the BMSCE Alumni Association and to connect with as many of our Alumni as possible, the first BMSCE Annual Alumni was held in Dec 2012. Around 800 alumni registered for the event. There were around 1200 guests which included alumni and their families, staff of BMSCE and the EC of BMSCEAA.

The AA office then started reaching out to Alumni through social networking sites like Facebook and LinkedIN. In March 2013, the online portal bmsce.alumclub.net was rolled out and this was an instant hit for registrations. By June we had a total of 3500 registrations with the alumni office. In the meanwhile the first rounds of BMSCEAA Merit Scholarships were disbursed to the top meritorious students from all departments in April 2014.

In the month of May 2013, the Alumni office took responsibility for the complete registrations and e-communications to the graduates of 2012 for their graduation day. The Alumni office also worked with the various departments to reach out to Alumni for their survey needs, inputs and feedback. The Alumni meets for the Instrumentation department and MBA department saw the involvement of the Alumni office for registrations and communications.

All along, the alumni office has been actively posting the campus events, achievements of alumni, students and staff on the official Facebook Page, Portal and quarterly newsletters. Four volumes of the newsletters have been published this far.

The months of October-November saw preparations initiate for the second alumni day. By the date of the event we had 5000 registrations. The main theme of the second alumni day was distinguished alumni felicitations where the alumni from the batches of 1950-70 and alumni achievers were felicitated. This alumni day preps helped us increase the registrations of our first generations of alumni from 10 in 2012 to 50 in 2013. While it was push mechanism early 2013 for registrations, the latter half of 2013 saw alumni come forward voluntarily for registrations. Class registrations were done for the 73 batch of mechanical and 75 batch of electrical.



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In February 2014, an exclusive alumni felicitation event was held wherein Mr K N Murthy was the chief guest of honor and all other alumni from the 1950 to 1970 batch who couldn't make it to the alumni day were felicitated. This also marked the American Alumni association members join the BMSCEAA.

In March 2014, we crossed 6000 registrations but still have a long way to go. We are depending heavily on LinkedIn and interactions with alumni to build the network further. Plans are on to create an incentive based scheme to increase registrations mainly from the 1980 and 1990 batches of engineering.

Summary of registrations: (approximate indications)

- Started with 500 odd registrations in Nov 2012 (may not be accurate)
- Reached around 2000 in Mar 2013
- Reached 3500 in Jun 2013
- Reached 5200 in Dec 2013
- Reached 6000 in Mar 2014

Summary of activities

- Registrations
- Facebook and LinkedIn connect
- Online portal release
- Local Chapter coordinators in the US (California, Michigan, North Carolina), UK, Singapore and Mumbai-India
- Quarterly Newsletters
- Alumni Day
- Alumni Felicitations
- Merit Scholarships
- Education Loans
- Alumni communications and surveys

BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 55th Meeting

April 7, 2014

ANNEXURE IV

DETAILS OF MEMORANDUM OF UNDERSTANDING (MOUs)



BMS COLLEGE OF ENGINEERING, BANGALORE-19

(Autonomous College under VTU)

Details of Linkages [through MOU/MOI] with various Governmental and Non-Governmental Organizations for Academic, Collaborative Research & Extension Activities

SNo	Area	Date of MOU	Particulars
1	Research	04.03.2014	MOU between BMSCE and Council of Scientific Research – CSIR to establish a cooperative programme in research & training
2	Academic	04.02.2014 CS	MOU between BMSCE and Wiksate Solutions Private limited Pune: Wiksate helps to create formal, sial and experiential learning footprints, disseminate knowledge and increase employability of graduates.
3	Academic TMI Systems	14.09.2013 ML/IT	MOU between TMI Systems and BMSCE to Promote Bio-Medical Instrumentation and Engineering Technology
4	Academic ChipEDGE	04.09.2013 ECE	MOU between ChipEDGE and BMSCE towards Industry Oriented VLSI Training Programmes to BMS Students and outside Participants at BMS Campus
5	Academic Tektronix	17 th June 2013	Agreement on Pre-release disclosure and Beta Test of USB Oscilloscope between Tektronix and BMSCE
6	Academic EMC2	MOU Signed on 22.05.13	MOU between EMC2 and BMSCE towards curriculum development/Industrial Visits /FDPS /Establishing Centres of Excellence.
7	Academic University of Dundee	01.03.2013	MOI between the University of Dundee [Scottish Registered Charity Number SC 105096] and BMSCE to promote Excellence in Higher Education



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SNo	Area	Date of MOU	Particulars
8	Academic	30.01.2013	Stakeholder Agreement with GENT University, Belgium towards Development of mutually beneficial academic programmes and courses & exchange of academic staff and research assistants for the purpose of teaching and research
9	Industry Training BGTD BSNL	05.01.2013 [TCE]	MOU with District Telecom Training Centre [DTTC], BGTD BSNL Bangalore, a training Centre under BSNL providing Industry oriented training programmes in the areas of Telecom and Networking and all other related subjects.
10	Academic CENTUM Electronics Limited	15.09.2012 EE	The MOU with CENTUM Electronics Limited Bangalore regarding M.Tech Project on Internship.
11	Academic Cranes Software International Limited	24.09.2012 EE	MOU with Cranes Software International Limited regarding Teaching/Research Lab facilities using ASLK Starter Kits
12	Academic Teaching/Research Lab	09.07.2012 ML	The MOU for Teaching/Research Lab setup was signed between Cranes Software International Limited, the University Program Partner for Texas Instruments, and Department of Medical Electronics, BMSCE was signed on 9 th July 2012. As a result of this MOU, the Department has received as donation, Six MSP430 experimental boards and debug tools. In addition, they will provide support in conduction of Faculty Development Programs and Training to Students.
13	Academic/ Placement Tata Consultancy Services Limited	MOU Signed on 01.07.12 [CS/IS]	MOU between Tata Consultancy Services Limited and BMSCE. The TCS shall offer a package of TCS Academic Interface Programme and student internship a) Faculty development program b) Technical Seminars c) Technical Workshop Student Excellence award for outstanding students- every year



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SNo	Area	Date of MOU	Particulars
14	Academic & Research Wisconsin-Milwaukee	05.06.12	University of Wisconsin-Milwaukee, College of Engineering, USA & BMSCE - Memorandum of Intent on Joint Research/Faculty exchange/Student Exchange/Exchange of Information
15	Research Cycor Systems	05.06.12	Cycor Systems Inc., Santa Clara, CA, USA a California Corporation & BMSCE – Memorandum of Intent in the area of Renewable Energy.
16	Academic/Research	16.03.2012 IEM/CS	MOU with SAP labs providing SAP Lab Modules for students through workshops
17	Academic/Research ROBERT BOSCH	19.01.2012 ECE,MEC,EE	MOU with ROBERT BOSCH – towards research projects, students competitions, workshops, automotive controls.
18	Testing/Research Lab	18.01.2012 ECE	MOU with Nihon Communication Solutions Pvt Ltd., towards setting up Teaching/Research Lab at BMSCE
19	Academic/Research	24.06.2011	TEQIP PHASE II – MOU between Government and BMS College of Engineering
20	Research	06.06.2011 BT	The MOU between BioCOS Life Sciences Private Limited, Bangalore and BMSCE was signed on 03.06.2011 for having Collaborative research and related other activities by both the parties. The period of agreement is from 03.06.2011 to 31.05.2014
21	Academic	20.06.2011	BMSCE in Tie-Up Cavendish University, Lusaka, Zambia for development and delivery of education, training and development of students and lecturers. As a first step, BMSCE will develop four branches of Engineering – Civil, Mechanical, Computer Science, Information Science and Architecture at Cavendish University



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SNo	Area	Date of MOU	Particulars
22	Academic ZTE Telecom India Private	19.05.2011 TCE	The MOU between ZTE Telecom India Private Limited and BMSCE was signed on 19.05.2011. The MOU shall result in ZTE setting up 3G wireless Lab on Campus. Number of Student Training Programmes shall be conducted Jointly. ZTE shall help in framing the curriculum of wireless communication courses.
23	Academic	12.02.2011 TCE	The MOU between Cranes Software International Limited, the University Program Partner for Texas Instruments, and Department of Telecommunication, BMSCE was signed on 12 th February 2011. As a result of this MOU, the Department has received as donation, Six MSP430 kits along-with Six interface boards. In addition, guidance has been received in framing syllabus of DSP and MSP UG Course. They have also helped in conduction of faculty training programs on campus.
24	Academic	12.02.2011 TCE	The MOU between National Instruments [India] Private Limited and BMSCE was signed on 12.02.2011. As a result of this MOU, the Department Received support in conduction of Two Faculty training Programmes. The Department has developed UG Laboratory experiments in the area of Analog and Digital Communication using LAB VIEW, which resulted in presentation of two papers in the 6 th IEEE Signal Processing Education Conference in Arizona. Joint Activities have resulted in the department receiving AICTE Grants under IIPC Project.
25	Research NXP Semi Conductor Private	03.01.2011 ECE	The MOU between NXP Semi Conductor Private Limited and BMSCE signed on 03.01.2011. The NXP shall set up lab at BMSCE. The NXP Lab will foster talent, facilitate technology absorption, knowledge generation and focus in chosen domain to develop products for specific markets like India. Enrolment of PhD and MS students to work in the specific domain.

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ANNEXURE-V

STAFF PATTERN – TEACHING



BMS COLLEGE OF ENGINEERING, BANGALORE-19

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STAFF PATTERN – TEACHING

SNo	Department	Program		Estd	Intake	Staffing Pattren				
		Level	Title			Prof	AP	Lect	Tot	GT
1	Civil Engineering	UG	Civil Engineering	1946	50	1	3	8	12	
				2013	70	1	3	8	12	
		UG	First year Course	NA	NA	0	0	2	2	
		PG	Construction Technology	1982	18	1	1	1	3	
		PG	Environmental Engg.	1997	18	1	1	1	3	
		PG	Transporation Engg.	2006	18	1	1	1	3	
					174	5	9	21	35	35
2	Mechanical Engineering	UG	Mechanical Engineering	1946	120	2	6	16	24	
		UG	First year Course	NA	NA	0	0	12	12	
		PG	Machine Design	1984	18	1	1	1	3	
					138	3	7	29	39	39
3	Electrical Engineering	UG	Electrical Engineering	1946	60	1	3	8	12	
		UG	First year Courses	NA	NA	0	0	2	2	
		PG	Power Electronics	1991	18	1	1	1	3	
					78	2	4	11	17	17
4	Electronics Engineering	UG	Electronics Engineering	1971	120	2	6	16	24	
		UG	First year Courses	NA	NA	0	0	2	2	
		PG	Electronics Engineering	1986	18	1	1	1	3	
		PG	Digital Communication	1996	18	1	1	1	3	
					156	4	8	20	32	32
5	Industrial Engineering	UG	Industrial Engg. & Mgt.	1979	60	1	3	8	12	12
6	Computer Science	UG	Computer Science	1983	90	2	5	12	19	
		UG		2011	30	-	1	4	5	
		PG	Computer Science	1993	18	1	1	1	3	
					138	3	7	17	27	27



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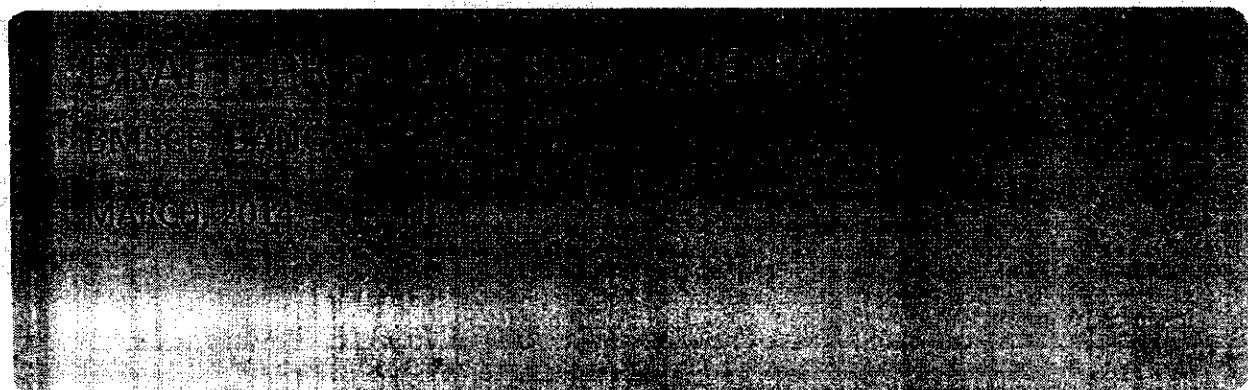
SNo	Department	Program		Estd	Intake	Staffing Pattern				GT
		Level	Title			Prof	AP	Lect	Tot	
7	Information Science	UG	Information Science	1987	90	2	5	12	19	
		UG	First year Course	NA	NA	0	0	4	4	
		PG	Networking Engg	2011	18	1	1	1	3	
					108	3	6	17	26	
8	Telecommunication	UG	Telecom Engineering	1986	60	1	3	8		12
9	Instrumentation	UG	Instrumentation	1991	30	1	2	5		8
10	Medical Electronics	UG	Medical Electronics	1992	30	1	2	5		8
		PG	Bio-Medical Signal Processing	2013	24	1	1	1		3
11	Chemical Engineering	UG	Chemical Engineering	1995	60	1	3	8		12
		PG	Bio-Chemical Engineering	2013	24	1	1	1		3
12	Bio-Technology	UG	Bio-Technology	2002	40	1	2	5		8
13	Architecture	UG	Architecture	1980	80	3	7	15	25	
		PG	Habitat Design	2002	20	1	1	1	3	
					100	4	8	16		28
14	MCA	PG	Computer Application	1984	60	1	3	8		12
15	MBA	PG	Business Administration	1992	60	1	2	6		
				2011	60	1	2	6		
					120	2	4	12		
16	Physics	UG	Physics	1946	NA	1	2	5		8
17	Chemistry	UG	Chemistry	1946	NA	1	2	5		8
18	Mathematics	UG	Mathematics	1946	NA	1	3	10	14	
		PG	Adv. Mathematics	NA	NA	0	1	1	2	
						1	4	11	16	16
19	Humanities	UG	Eng/Kan/Mgt/CIPE	2006	NA	0	0	5	5	5

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ANNEXURE-VI

INTELLECTUAL PROPERTY RIGHTS (IPR) POLICY OF BMSCE



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Draft IPR Policy of BMSCE, Bangalore

BACKGROUND/REASON FOR POLICY

A principal mission of B.M.S. College of Engineering (hereinafter BMSCE) is to engage in assimilating and imparting knowledge and provide a nurturing environment for students and faculty to apply the science, technology and engineering principles in innovative projects. BMSCE recognizes that creative endeavors are a natural outgrowth of the pursuit of this mission and in past few years has been encouraging students and faculty to generate research work that can qualify for patent protection. While this effort is gaining momentum, BMSCE also recognizes that the proper management of such endeavors and related intellectual property rights would strengthen and provide a strong foundation for growth of such projects and, enable a sustained focus to this effort. In support of these goals, BMSCE is providing guidelines for inventions, copyrightable works, trademarks and other related intellectual property rights arising from the activities of its faculty, staff, students, and others who use BMSCE resources, including those provided through an externally funded grant, contract, or other type of award or gift to the Institution.

STATEMENT OF POLICY

I. Inventions

1. **Principle of BMSCE Ownership.** The BMSCE shall own each Invention conceived in whole or in part during the course of any employment, research, or scholarship activity of any BMSCE students, Research scholars, faculty, or relating to the use of BMSCE Resources.
2. **Invention Disclosure.** Inventors shall promptly in writing through an Invention Disclosure Form (See Anneexure-1) disclose and assign each Invention to the BMSCE and/or its designee, and shall not disclose any Invention to any third-party except as specifically authorized by the BMSCE or its designee. If more than one individual participated in the invention or development, the Form shall include names of all such participants. The Form shall constitute a full and complete disclosure of the Invention subject matter and the identity of all persons participating therein. The Invention Disclosure Form should be submitted to Director R&D, BMSCE, who would provide his recommendation to the Principal and take it forward for further processing for preparing a patent application.

Further, prior to making any public disclosures of the research work through publications in Journals/books, presentations in Conferences / Workshops, etc., including to a third party, the inventors/researchers should get the recommendation from the Director, BMSCE R&D for approval by the Principal, BMSCE. To that end, all necessary documents, data, background material, etc as required by the Principal and Director, R&D, BMSCE should be furnished by the inventors/researchers.

II. Copyrightable Works

1. **Principle of BMSCE Ownership.** The BMSCE permits authors to retain the copyright to Instructional Copyrightable Works and Scholarly Copyrightable Works. Excepting only Instructional Copyrightable Works and Scholarly Copyrightable Works, the BMSCE shall own the copyright to each Copyrightable Work conceived in whole or in part during the course of any employment, research, or scholarship activity of any BMSCE students, Research scholars, faculty, or relating to the use of BMSCE Resources.
2. **Disclosure of Copyrightable Works with Potential Commercial Value.** Each author of a Copyrightable Work that is BMSCE-owned according to the foregoing Principle of BMSCE Ownership and that may have potential commercial value shall promptly disclose the Copyrightable Work in writing to the BMSCE and/or its designee.
3. **License to BMSCE for Instructional or Scholarly Copyrightable Works.** Each Instructional or Scholarly Copyrightable Work shall, by operation of this policy, be subject to a perpetual nonexclusive, royalty-free license from the author to the BMSCE to use, duplicate, and internally distribute the Instructional or Scholarly Copyrightable Work for any pedagogical, research, or educational purpose of the BMSCE, subject to attribution of original authorship and to internal academic procedures and requirements of BMSCE. The foregoing license shall be broadly construed to enable the BMSCE's efforts to preserve research integrity and prevent fabrication, falsification, and plagiarism.
- III. **Trademarks** The BMSCE owns all rights, title and interest in Trademarks that relate to BMSCE Intellectual Property or relate to a program of education, service, public relations, research or training by the BMSCE.
- IV. **Tangible Research Property and Research Data.** The BMSCE owns all rights, title, and interest in Tangible Research Property and Research Data developed with support from BMSCE Resources. All research work with associated data including results should be recorded in a suitable Research Note Book as per the guidelines

available with Director R&D, BMSCE. Subject to Section VII of this policy, in most instances the BMSCE allows access of BMSCE-owned Tangible Research Property or Research Data to BMSCE personnel at the discretion of the Principal duly recommended by Director, R&D, BMSCE for any non-commercial purpose.

- V. **Respecting others IPRs.** The BMSCE through this IPR Policy notifies all BMSCE students, Research scholars, faculty to respect IPRs owned by others and not to use IPRs owned by others for any project, research, teaching or reference or any other purpose without appropriate authorizations from the owners of such IPRs, and without proper acknowledgement of such use. Any such improper use by any BMSCE personnel would be treated as plagiarism and would be considered an offence. Principal BMSCE would take necessary disciplinary and other legally required action for such offence.
- VI. **Administration and Execution of IPR Policy.** The IPR Policy will be managed by Director, R&D, BMSCE. The Principal and the Director R&D, BMSCE would have the authority to enforce the sections of the IPR Policy and also to review, and amend the sections as and when required.
- VII. **Disposition of BMSCE Intellectual Property** This policy shall be deemed 1) a term and condition of employment for every employee of the BMSCE, 2) a term and condition of enrollment and attendance at the BMSCE by students, and 3) a term and condition of participation in any BMSCE research or other use of BMSCE Resources by any person (whether or not employed by, compensated by, or enrolled at the BMSCE). This would include: (i) External Research Scholars registered under VTU or other universities to work in BMSCE Research Centers and/or getting guidance from the faculty of BMSCE and (ii) Internal Research Scholar from BMSCE registered in other Institutions registered under VTU or other universities and getting guidance from the faculty of BMSCE

Outside Activities authorized by the BMSCE for BMSCE faculty or staff, remain subject to this policy to the extent this policy does not conflict with any other existing policy applicable to third party. In case of a conflict, the ownership of all IP emanating from such outside activities (Collaborative work) will be mutually decided through discussions on case-by case basis.

As directed and requested by the BMSCE and/or its designee, all creators of BMSCE Intellectual Property shall execute legal documents required to effect this policy. The BMSCE (on its own behalf and on behalf of its designee) reserves the sole right in its exclusive discretion to make agreements regarding the retention, ownership, patenting, licensing, accessing, and any other use or disposition of any right, title or interest in BMSCE Intellectual Property.

The BMSCE and/or its designee will determine whether to commit funding to obtain patent, copyright, or trademark protection for particular disclosed BMSCE Intellectual Property and/or to seek to identify one or more licensees who will bear the cost of obtaining that legal protection. No creator of BMSCE Intellectual Property has the authority to assign, license or otherwise dispose of BMSCE Intellectual Property except to the BMSCE or its designee pursuant to this Agreement. BMSCE personnel engaged in Outside Activities shall have no authority to enter into an Intellectual Property agreement that conflicts with this policy. Persons who wish to confirm that a consulting, employment, or other agreement that addresses assignment of intellectual property associated with a proposed Outside Activity does not conflict with this policy should submit a copy of the agreement for review by BMSCE.

VIII. Commercialization of Intellectual Property.

1. Patents: BMSCE may pursue commercialization of the patents owned by it and any revenue from such commercialization may be distributed as under clause 3 of this section.

2. Equities of Participating Parties

General Policy. Income derived by the BMSCE and/or its designee directly from the commercialization of BMSCE Intellectual Property shall be administered in accordance with this policy. It is the policy of BMSCE to encourage and recognize the creative efforts of BMSCE personnel and, to share the financial rewards of such efforts on an equitable basis. This general policy may be rescinded or amended at any time by the BMSCE, and all legally enforceable rights related to Tangible Research Property and Research Data (Intellectual Property or proceeds there from) owned presently or in future by the Institution will remain with the Institution.

General Principle of Division. In most instances, Net Proceeds will be distributed according to the following formula: a) one-third to the BMSCE, and b) two-thirds to inventors comprising of BMSCE or other personnel who created the BMSCE Intellectual Property that gives rise to the Net Proceeds. Any agreement among those BMSCE personnel setting relative distribution shares among themselves shall be decided by the concerned BMSCE personnel. The Principal may authorize a variance from the foregoing principles, depending upon the circumstances of an individual case, including relevant contractual arrangements and any applicable funding regulations.

- IX. **Reconveyance of BMSCE Intellectual Property:** Intellectual Property may be reconveyed to the BMSCE personnel who disclosed it, upon their request to the Principal, BMSCE, if the reconveyance would not: (i) violate any legal obligations of or to the BMSCE, (ii) limit appropriate BMSCE uses of the materials, (iii) create an unmanageable conflict of interest for the inventor/creator, (iv) have significant commercial or public value which may best be exploited by the BMSCE itself, or (v) otherwise conflict with BMSCE goals or principles.
- X. **Works of Independent Contractors.** A written agreement will be documented from independent contractors such as website developers, architects, building contractors, interior decorators, special software developers, etc., that ownership of Inventions/Copyrightable Works made in the course of a BMSCE retention will be assigned to the BMSCE.
- XI. **IP generated in externally funded projects.** For the IP generated through externally funded projects such as sponsored research programs, the ownership and sharing of IP will be done on case-by-case basis, depending on nature of project, funding and other factors. All IP generated through these Projects will be documented and communicated to the Director, R&D, BMSCE. In cases where the ownership is assigned to the sponsoring party, BMSCE would retain a license free use of such IP for its teaching and research purposes.
- XII. **Miscellaneous**
1. **Designee.** The BMSCE may designate Director, R&D, BMSCE or any other representative to act for it in any respect hereunder.
 2. **Amendments.** This Memorandum may be amended or rescinded in whole or in part at any time by the Principal of the BMSCE.

ANNEXURE 1

INVENTION DISCLOSURE DOCUMENT

Number:

Date:

Title:

Related to which Project:

Inventors (with addresses):

Department:

1. Abstract of the invention/solution:
2. Describe the problem in detail
3. Technical field:
4. Related to which business/market (broadly):
5. What are the current alternate or related approaches you are aware of (related to the problem you are trying to solve)
6. Please provide Patent and literature search results, and explain how your approach is different from the ones in the search results
7. Describe your Invention/solution and its advantages over other approaches to solve similar problem that already exist:

8. Details of your invention/solution including any experimental results (Please provide any specific experimental data that relate exactly to the problem being addressed)
9. Any other situation or problem that can be solved using your invention/solution (Please note that the alternate problem situation may be completely unrelated to your problem, but if you are aware of it, please do mention it)
10. Is any third party involved in this work (e.g. a research institute/technical consultant)
11. Have you published this work or presented this work outside the organization (e.g. conferences)?
12. Any future plans to publish or present this work?
13. Is this work related to any other Project?
14. Is this work related to any prior filed or in-process patent application?
15. Any other information

WHO SHOULD KNOW THIS POLICY

- Board of Governors
- Faculty/Visiting Faculty
- All students/Research Scholars
- Visiting Scientists /Visiting Scholars
- All employees

EXCLUSIONS

There are no exclusions from this policy.

This policy shall not be interpreted to limit the BMSCE's ability to meet its obligations for deliverables under any contract, grant, or other arrangement with third-parties, including sponsored research agreements, license agreements and the like. The BMSCE shall coordinate reporting requirements and other obligations to research sponsors regarding BMSCE Intellectual Property developed under a research contract or grant.

RESPONSIBILITIES

Inventors/Authors:

- a. Duly record the details of the research work and associated data in a Research Notebook as per the guidelines provided by Director R&D, BMSCE. Duly record the source of any extraneous material obtained from an external source during the course of the research/project/teaching material (accurate citations for the source to be provided).
- b. Prior to making any public disclosures of the research work through publications in Journals/books, presentations in Conferences / Workshops, etc., including to a third party, the inventors/researchers should get the permission of the Principal routing the request through Director R&D, BMSCE. To that end, all necessary documents, data, background material, etc as required by the Principal and Director R&D, BMSCE should be furnished by the inventors/researchers.

- c. If the research work has elements of new approaches, results that can be patentable, the researchers should submit such aspects of their work through the Invention Disclosure Form to the Director R&D, BMSCE and maintain confidentiality of such work till a decision is received from the Director R&D, BMSCE Center towards filing or not filing of patent on such work.
- d. In collaborative research work with another Institution/third party, inform Director R&D, BMSCE of such work, and maintain clear records of such work.
- e. Be aware that the IP Policy is binding on them during their association with BMSCE.

Director R&D, BMSCE:

- a. Owns the implementation and administration of the IP Policy.
- b. Ensures that the IP Policy is communicated to all faculty/students/third parties associated with BMSCE.
- c. Create standard procedures for submission of ideas/inventions, for review of the Disclosures, for billing and other necessary operating procedures.
- d. Conduct timely reviews of the submitted invention Disclosures if needed and take the necessary next steps for getting the patent applications filed for the approved disclosures.
- e. Conduct periodic meetings of the Steering Committee to inform about the activities of the Centre and take any directions.
- f. Build the R&D Centre as a self-sustaining unit in the long run using the Commercialization funds.
- g. Create awareness and appreciation of IP amongst the faculty and students of BMSCE.

Administration/Accounts:

- a. Support the activities of the BMSCE R&D Centre specifically communication of the Policy, creating awareness and disseminating funds in a timely manner towards filing of patent applications.

The Principal:

Provide support and guidance to Director, BMSCE in implementing its activities, communicate the Policy to HODs and assert it's importance in different interactions with faculty and students.

DEFINITIONS

Word	Definition
Intellectual Property	<p>The term "Intellectual Property" means property such as an invention, patent, copyrightable work, copyright, trademark, service mark, trade secret, integrated circuit mask, research data, plant variety protection certificate, tangible research property, or physical embodiment such as a model, machine, device, design, apparatus, instrumentation, circuit, computer program, visualization, biological material, chemical, other composition of matter, or plant that originates in or relates to academic or research activity and that is protectable by any law.</p>
Invention	<p>The term "Invention" means a type of discovery, process, method, device, plant, composition of matter, or other creation that may be considered inventive within the meaning of patent laws.</p>
Copyrightable Work	<p>The term "Copyrightable Work" means an original work of authorship, which has been fixed in any tangible medium of expression, such as:</p> <ul style="list-style-type: none">• Literary works such as books, journal articles, poems, manuals, memoranda, tests, computer programs, instructional material, databases, bibliographies;• Computer software;• Musical works including any accompanying words;• Recorded performances, including instructional performances;• Dramatic works, including any accompanying music;• Pantomimes and choreographic works (if fixed, as in notation or videotape);• Pictorial, graphic and sculptural works, including photographs, diagrams, sketches and integrated circuit masks;• Motion pictures and other audiovisual works

	<p>such as videotapes;</p> <ul style="list-style-type: none"> • Sound recordings; • Architectural works; and • Any other works determined to be copyrightable under copyright laws as now existing or hereafter amended or supplemented. <p>A Copyrightable Work may be the product of a single author or a group of authors who have collaborated on a project.</p>
Instructional Copyrightable Work	<p>The term "Instructional Copyrightable Work" means a Copyrightable Work that a) is authored by an identifiable BMSCE faculty member or instructor primarily for the instruction of students, b) is not specifically commissioned by the BMSCE, and c) is not a recording of a teaching performance made to or for BMSCE students.</p>
Scholarly Copyrightable Work	<p>The term "Scholarly Copyrightable Work" means a Copyrightable Work created by any person subject to this policy primarily to express and preserve scholarship as evidence of academic advancement or academic accomplishment. Such works may include, but are not limited to, scholarly publications, journal articles, research bulletins, monographs, books, plays, poems, musical compositions and other works of artistic imagination, and works of students created in the course of their education, such as exams, projects, theses or dissertations, papers and articles.</p>
Trademark (including Service Mark)	<p>The terms "Trademark" and/or "Service Mark" mean any word, name, symbol or device, or any combination thereof, whether or not registered as a trademark, that is used to identify goods or services and distinguish them from those manufactured or sold by others.</p>
Research Data	<p>The term "Research Data" means the recorded factual material commonly accepted in the research and scholarly communities as necessary to validate research findings, but not any of the</p>

	following: preliminary analyses, drafts of scholarly manuscripts, plans for future research, peer reviews, or communications with colleagues.
Tangible Research Property	The term "Tangible Research Property" means items produced in the course of research, such as compositions, biological materials, materials, drawings, devices, and equipment.
BMSCE Resources	The term "BMSCE Resources" means any support administered by or through BMSCE, including but not limited to funds, facilities, equipment or personnel, and funds, facilities, equipment, or personnel which are provided by governmental, commercial, industrial, or other public or private organizations and administered or controlled by the BMSCE.
BMSCE Intellectual Property	Intellectual Property which is owned or controlled by the BMSCE pursuant to this policy and/or applicable law is BMSCE Intellectual Property.
Net Proceeds	The net proceeds derived from BMSCE Intellectual Property shall mean the gross receipts therefrom (including, but not limited to, rents, royalties, dividends, earnings, gains, and sales proceeds), less all costs, expenses and losses paid or incurred by the BMSCE or its designee in connection therewith (including, but not limited to, all direct and indirect costs and expenses specific to the creation, preservation and legal protection of the BMSCE Intellectual Property, including attorney fees).

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ANNEXURE-VII

BUDGET (SUMMARY) 2014-15



BMS COLLEGE OF ENGINEERING, BANGALORE-19
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Budget Summary

Amount Rupees in Lakhs

SNo	HEAD OF ACCOUNT	Budget 2013-2014	Actuals for 2013-2014	% of Actual V/s Budget	Budget 2014-2015
1	Revenue Receipts (Page No 3)	6870.87	6901.43	100.44	8638.20
2	Revenue Payments (Page No 4)	5114.42	5214.38	101.95	5968.22
3	Capital Payments (Page No 4)	1206.45	1076.14	89.20	1369.72
	NET DEFICIT/SURPLUS	+550.00	+610.91		+1300.26

Receipts and Payments (Recurring, Non-Recurring & Capital in nature) are classified under the main heads of REVENUE & CAPITAL

The Actuals of the financial year 2013-14 and the Budget for the financial year 2014-2015 is placed for the Board of Governors (BOG) for its consideration & approval.

The proposed budget is surplus budget. The net surplus is Rs 1300.26 Lakhs.


PRINCIPAL

BMS COLLEGE OF ENGINEERING, BANGALORE-19
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ANNEXURE-VIII

**LIST OF FACULTY MEMBERS WHO HAVE BEEN RATED
BELOW THRESHOLD THROUGH STUDENT FEEDBACK**



BMS COLLEGE OF ENGINEERING, BANGALORE-19
(Autonomous College under VTU)

LIST OF FACULTY MEMBERS WHO HAVE BEEN RATED BELOW THRESHOLD THROUGH STUDENT FEEDBACK

More than twelve times				
SNo	Name of the Faculty	Dept	No. of times feedback is low below 60%	Proposed Action
01	Dr.Geethavani.P	Maths	15	Opportunity to opt for VRS failing which, the management shall initiate process to compulsory retirement
02	Mr.Channabasavaradhy a	AT	13	Opportunity to opt for VRS failing which, the management shall initiate process to compulsory retirement
More than nine times				
01	Mrs.Mamatha K R	ISE	11	To with hold one increment with cumulative effect.
02	Mrs. Neetha S N	AT	10	To with hold one increment with cumulative effect.
More than six times				
01	Mrs.Anushalalitha	TE	08	To with hold one increment witho cumulative effect.
02	Mrs. Kalpana R	ML	07	To with hold one increment without cumulative effect.
03	Mr. Ramesh K	ME	06	To with hold one increment without cumulative effect.
More than three times				
01	Mr.K.R.Niranjan	ML	05	To issue a warning memo
02	Mr.Balaji K R A	MBA	05	To issue a warning memo
03	Mr. Manjunath P S	TE	04	To issue a warning memo
04	Dr.Keerthi Agarwal	Chemistry	04	To issue a warning memo
05	Mr.Karthik G	ME	04	To issue a warning memo
06	Dr.Sunder sheshu	Physics	04	To issue a warning memo
07	Mrs. Prafulla G	EC	04	To issue a warning memo
08	Mrs. Radha R C	EC	03	To issue a warning memo
09	Mrs.Shrivalli.H.Y	Maths	03	To issue a warning memo
10	Mr. Harish Mekali	EC	03	To issue a warning memo
11	Mrs.Chandrakala G Raju	IS	03	To issue a warning memo
12	Mr.H.R.Prakash	ME	03	To issue a warning memo
13	Dr.Veena Jawali	Maths	03	To issue a warning memo
14	Dr.R.L.Sreenivasa	Civil	03	To issue a warning memo
15	Mr.Sivarama Krishna	MCA	03	To issue a warning memo

BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 55th Meeting

April 7, 2014

ANNEXURE-IX

**MINUTES OF THE MEETINGS OF THE FINANCE
COMMITTEE HELD ON 30.12.2013 AND 30.01.2014**



BMS COLLEGE OF ENGINEERING, BANGALORE 560 019
(Autonomous College under VTU)

**MINUTES OF THE FINANCE COMMITTEE MEETING HELD ON 30.12.2013 AT
04.30 PM IN THE CHAMBERS OF THE PRINCIPAL**

MEMBERS PRESENT

- | | |
|----------------------------|----------|
| 1. Dr.K.Mallikharjuna Babu | Chairman |
| Principal, BMSCE | |
| 2. Sri.Panchakshari | Member |
| CFO, BMSET | |
| 3. Dr.RavishankarDeekshit | Member |
| Professor & Head of EE | |
| 4. Sri.R.Balaji | Member |
| Procurement Officer, BMSET | |

At the outset, the Principal extended a cordial welcome to the Members.

1. UTILIZATION OF BUDGETARY ALLOCATION - 2013-14

The members had a detailed assessment of the budget utilization for 2013-14. The members reviewed/compared the actual expenditure status with the budgets (department-wise). It was noted that about 60% of the budgetary allocation has been utilized as on December 2013. While on the subject Principal stated the about 10% of the expenditure is committed and bills need to be cleared. The members expressed their overall satisfaction on the utilization of budget. The Chief Finance Officer (CFO) was requested to provide a detailed report on the utilization of budget (2013-14) to be presented to the BOG in its ensuing meeting.

While on the subject, the members opined to immediately initiate budget preparation process for 2014-15 (Action by AAO & Accounts section).

**2. ENHANCEMENT OF COURSE REGISTRATION FEE FOR FAST TRACK
SEMESTER (AUTS)**

The members accepted the proposal of the College Core Committee in its meeting held on 26.12.2013 to enhance the course registration & Re-registration fee commencing from the ensuing fast track/supplementary semester from the existing Rs.500/- per credit to Rs.1000/- per credit. The Principal suggested that the students belonging to SC/ST may be exempted from the enhancement. It was unanimously accepted by all the members. Pending approval from the BOG this decision will come into force from March 2014.

3. Any other subject with the permission of the Chair

Sri.R.Balaji informed the members that the statement of fixed assets/stock verification would be ready by the end of February 2014 and the same would be presented before the Finance Committee.

Sd/-
PRINCIPAL &
CHAIRMAN, FINANCE COMMITTEE



BMS COLLEGE OF ENGINEERING, BANGALORE 560 019
(Autonomous College under VTU)

**MINUTES OF THE FINANCE COMMITTEE MEETING HELD ON 30.01.2014 AT
04.30 PM IN THE CHAMBERS OF THE PRINCIPAL**

MEMBERS PRESENT

- | | |
|----------------------------|----------|
| 1. Dr.K.Mallikharjuna Babu | Chairman |
| Principal, BMSCE | |
| 2. Sri.Panchakshari | Member |
| CFO, BMSET | |
| 3. Dr.RavishankarDeekshit | Member |
| Professor & Head of EE | |
| 4. Sri.R.Balaji | Member |
| Procurement Officer, BMSET | |

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While on the subject, the members opined to immediately initiate budget preparation process for 2014-15 (Action by AAO & Accounts section).

2. ENHANCEMENT OF COURSE REGISTRATION FEE FOR FAST TRACK SEMESTER (AUTS)

The members accepted the proposal of the College Core Committee in its meeting held on 26.12.2013 to enhance the course registration & Re-registration fee commencing from the ensuing fast track/supplementary semester from the existing Rs.500/- per credit to Rs.1000/- per credit. The Principal suggested that the students belonging to SC/ST may be exempted from the enhancement. It was unanimously accepted by all the members. Pending approval from the BOG this decision will come into force from March 2014.

3. Any other subject with the permission of the Chair

Sri.R.Balaji informed the members that the statement of fixed assets/stock verification would be ready by the end of February 2014 and the same would be presented before the Finance Committee.

Sd/-
PRINCIPAL &
CHAIRMAN, FINANCE COMMITTEE

BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 55th Meeting

April 7, 2014

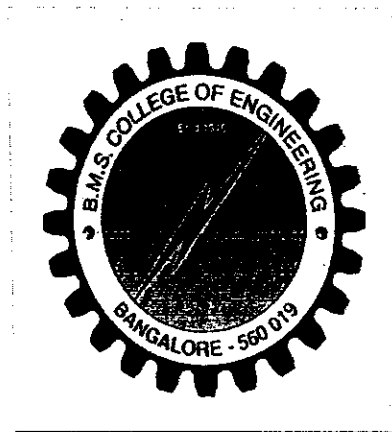
ANNEXURE-X

**MINUTES OF THE NINTH MEETING OF THE
SUB-COMMITTEE OF BOG OF TEQIP PHASE-II
HELD ON 01.04.2014**

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

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

NINTH MEETING OF THE SUB-COMMITTEE OF BOG



MINUTES

DATE : 1.04.2014

VENUE: BOARD ROOM

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. Ravikumar, TEQIP Co-ordinator-II
3. Dr. K. R. Suresh, Nodal Officer – Financial Aspect
4. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
5. Dr. K. Guruprasad , Nodal Officer - Equity Assurance Plan Implementation
6. Dr. C. Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
7. Dr. S. Gowrishankar, Nodal Officer - Academic Activities
8. Dr. M. Ramachandra, Principal Investigator & Co-ordinator, CoE
9. Dr. Chandashree Das, Principal Investigator, CoE

The Principal and the convenor of the sub-committee of BOG welcomed the members for the meeting.

1. Minutes of 54th Meeting of BOG held on 13.1.2014

The minutes of 54th Meeting of BOG held on 13.1.14 was read and recorded. The members suggested recording a corrigendum for item 5.1 on page 11 with reference to financial support to SAE activities. The third Para shall be read as:

“After detailed deliberations, the Board approved for extending financial support up to Rs.5.5 lakhs towards consumables, tools and fabrication work from TEQIP II funds and an amount of Rs.2.5 lakhs towards procuring Yamaha Gear Box from Management/College funds. The Board also authorized the Principal for payment of registration fee for SAE competitions at Germany if the student members are ready to participate in the competition on self-finance basis.”

B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II
NINTH MEETING | 1.4.2014 | SUB-COMMITTEE OF BOG | MINUTES

2. Minutes of the first review meeting of activities of Centre of Excellence in advanced Materials Research

The minutes of first review meeting of activities of Centre of Excellence in advanced Materials Research held on 6.2.2014 was read and recorded [ANNEXURE-1]. Dr. Ramachandra & Dr. Chandasree Das briefed the Chairman about their subsequent interactions with Prof. K. Chattopadhyaya.

3. Information on Communication received from SPFU regarding foreign travel, training, SC/ST,EAP:

The committee noted the communication received from SPFU through mail dated 29.1.2014 [Annexure-2] and expressed that the TEQIP shall not extend financial support for foreign travels by faculty members till further directions from the SPFU are received.

4. Extension of Service of Data Entry Operator

The committee approved the continuance of services of Smt. Padmini P.V., appointed as Data entry operator in the TEQIP Office from 6.3.14 with a consolidated salary of Rs.11,000/- per month and also ratified the memo issued in this regard[Annexure-3].

5. Appointment of staff to TEQIP Office

The committee noted the resignation of office assistants in the TEQIP office i.e., Smt. Prathibha and Sri. Jeevan.

The committee approved the appointment of Sri.D.Suresh, as Office Assistant from 24.3.2014 with a consolidated salary of Rs.20,000/- pm with applicable PF and ratified the OM [ANNEXURE-4]. The committee also took a note that Sri. D. Suresh has reported to duty.

The committee approved the appointment of Smt. R. Roopashri as office assistant for the activities of COE with a consolidated salary of Rs.10,000/- pm with applicable PF and ratified the OM [ANNEXURE-5]. The committee also noted that she would be reporting to duty from 2.4.2014.

B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
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NINTH MEETING | 1.4.2014 | SUB-COMMITTEE OF BOG | MINUTES

6. Release of second instalment of TEQIP II funds

The committee noted that a second instalment of Rs.500 lakhs is released by the SPFU/DTE through the communications vide (i) No.DTE/TEQIP/FIN/CR-88/13-14, Bangalore, dated 4.2.14 [Annexure-6] (ii) No. DTE/TEQIP/FIN/CR-88/2013-14 dated 25.2.2014. The college received the cheque for Rs.500 lakhs on 11.3.2014. The committee also noted that the amount of Rs.100 lakhs received from the college funds and Rs.150 lakhs received from BMSET as advance has been returned.

7. Award of Teaching Assistantship to M. Tech./M.Sc.(Engg.) students

- a) The committee approved and ratified the payment of teaching assistantship to the first semester M.Tech./M.Sc. (Engineering) students from 1.10.13 or the date of his/her admission to the program, whichever is later.
- b) After detailed deliberations, the committee agreed not to award teaching assistantship to students admitted to M. Tech. under sponsored category and cancelled the award of teaching assistantship to Mr. Harisha C.N., student of second year M. Tech. [Computer Science] that was permitted by the committee in its eighth meeting held on 20.11.2013 as an exceptional case.

8. Approval to the faculty/staff attending programs.

- a) The committee took note of the consolidated list [Annexure-7] of the approvals of the sub-committee obtained by circulation and other pending proposals for deputing faculty/staff members to attend various programs under TEQIP II/COE after 13.1.14 and ratified the same.
- b) The committee after detailed deliberations, accorded approval for conducting/attending various programs by the faculty and staff under TEQIP II/COE [Annexure-8].
- c) The committee took note of the representations of Dr. M. Ramachandra, Dr.K. R. Suresh & Dr. Shankar seeking financial assistance to present their papers in the conferences to be held abroad. Based on the SPFU Communication at Sl.No.3, the committee asked the TEQIP Coordinators not to extend financial assistance for the paper presentations abroad under TEQIP-II, until further orders from the SPFU/DTE/NPIU.

9. Availing the expertise services of an expert

The committee considered the request submitted by the faculty and Head of the Department of Mechanical Engineering seeking permission to utilize the services/knowledge of Dr. V. Arunkumar, former scientist, Dy. Director, NAL, Bangalore as expert for the R & D projects of the department and noted that the department is making efforts towards establishing state-of-art laboratory in the field of Rotor Dynamics for PG and UG students, under his guidance. The committee accorded permission to avail the services of Dr. V. Arunkumar, twice a week on payment of an honorarium of Rs. 2,000/-per hour and to pay taxi fare/travel cost against the bills submitted by the department under the head of R&D activities of TEQIP II.

10. Financial assistance for students to attend the competitions :

- a) The committee considered the requisition from the students of 6th Semester EEE seeking financial assistance for attending the National Level student competition on Renewable energy organised by Tamil Nadu Energy Development Agency [TEDA] on 22.3.14 at IIT Madras Research Park, Chennai in connection with their proposal titled Solar Charge Controller. The committee approved the said proposal with an estimated expenditure of Rs. 6,000/- [Rs.4000/- towards travel, Rs.1500/- towards accommodation and Rs.500/- towards miscellaneous expenditure].
- b) The committee also considered the requisition submitted by ten students of 6th Semester EEE, seeking financial assistance to the extent of Rs.46,336/- from TEQIP II funds, for participating in the National Level annual Balloon Sat Competition being conducted by Anthariksha Labs and approved the same.
- c) The committee considered the requisition of 25 students seeking permission and deputation to attend a ROBO competition to be held at IIT- Kharagpur with an approximate expenditure of Rs.3,000/- per student towards their TA & registration fee and approved the same.

11. Procurement Status:

(a) Procurement Audit:

The committee noted that the procurement nodal officer Dr. M. S. Dharmaprakash along with the procurement manager attended the audit before the World Bank audit team at New Delhi on 18th March 2014 and presented the two procurement files selected by NPIU for audit.

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

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

NINTH MEETING | 1.4.2014 | SUB-COMMITTEE OF BOG | MINUTES

The committee noted that on 29.3.2014, the SPFU conducted audit of a few more procurement files and the process is in progress.

(b) TEQIP II PROCUREMENT – Status of contracts awarded as on 01-04-2014

S.No	Description of Item	Contract Value (Rs.)	Approved Mode of Procurement	Status
1	WORKSTATIONS [Ref: BM/IS/G/1 Desktop Computer Department of Information Science Engineering]	33,00,000	NCB	Procurement Process completed
2	Atomic Absorption Spectrophotometer [Ref: BM/CV/G/1 AAS- Department of Civil Engineering]	32,00,000	NCB	Contract awarded and delivery expected during April 2014
3	Preparative High Performance Liquid Chromatography System [Ref: BM/BT/G/1 Eq-HPLC Dept. of Biotechnology]	24,45,000	NCB	Contract awarded and delivery expected during April 2014

(c) TEQIP-II PROCUREMENT – Status of NCB's Floated as on 01-04-2014

S.No	Description of Item	Estimated Cost (Rs.)	Approved Mode of Procurement	Status
1	3D Printing Machine (IEM)	44,00,000	NCB	NCB Advertisement has been released on 10-03-2014. Pre-Bid Meetings were held on 26-03-2014 & 27-03-2014. Bid opening and finalisation is scheduled to be before 15-04-2014
2	Workstations (CSE)	24,00,000	NCB	
3	Vibration Lab Equipment (Mechanical Engineering)	32,41,000	NCB	

CENTER OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH

(d) PROCUREMENT Status of NCB's Floated as on 01-04-2014

Dr. M. Ramachandra, Coordinator & Principal Investigator of the COE informed the members that procurement of Abrasive water jet cutting machine

S.No	Description of Item	Estimated Cost (Rs.)	Approved mode of Procurement	Status
1	Abrasive Water Jet Cutting Machine	90,00,000	NCB	NCB advertisement has been released on 10-03-14. Pre-Bid meetings were held on 26-03-2014 & 27-03-14. Bid opening and finalisation is scheduled to be before 15-04-2014
2	Dual Sputtering Equipment	18,00,000	NCB	
3	FTIR Spectroscopy Equipment	10,50,000	NCB	
4	Precision Impedance Analyzer	10,50,000	NCB	

12. Constitution of procurement committee for the Centre of Excellence:

The TEQIP coordinator-I brought to the notice of the committee that the NPIU through its letter dated 12.7.2013, while communicating about the sanction of COE in Advanced Materials Research informed the college to form an additional team for carrying out the COE activities. Further, it is observed that though the number of equipment to be procured is limited, there is complexity in drawing the specifications and also the cost of each equipment is quite high. Considering the above, the committee accorded approval for the constitution of a procurement committee exclusively for the procurement activities of COE with the following members under the chairmanship of the Principal and Dr.M.Ramachandra, Co-ordinator of the COE shall be the member convenor of the committee.

- (i) Dr.Martin Jebaraj- Director-R&D
- (ii) Dr.L.Ravikumar- TEQIP Co-ordinator-II
- (iii) Dr.Dharmaprakash M.S.- Nodal Officer-Procurement
- (iv) Dr.K.R.Suresh- Nodal Officer-Finance Aspects
- (v) Faculty proposing the procurement- Invitee
- (vi) One or two practicing technical personnel as invitees

13. Request of research scholars/faculty members/PG students for permission to utilise the full contingency amount at once :

The committee noted the request of PG and PhD students of Bio Technology and chemical Engineering seeking permission to utilise the total contingent amount of Rs.20,000/- & Rs.50,000/- respectively at once instead of phased manner, as the consumables required to be used by them are expensive and they may not be in need of utilising the same in future part of their work. Further the committee noted that the contingency amount may not be available to them after 2014, in view of the expected closure of TEQIP II by December 2014. In view of the above, the committee accorded approval for utilisation of the entire contingency amount by both PG and Ph.D. scholars with concurrence of their research supervisors. The committee further authorised the Principal to enhance the contingency amount in specific cases, if need be.

14. Honorarium to officials/staff working in COE cell

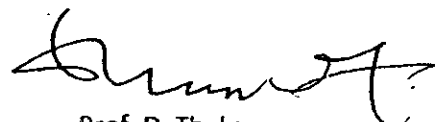
The committee noted that the BOG in its 54th meeting accorded approval for payment of an honorarium of Rs.5, 000/- per month to the nodal officers of TEQIP II. The subcommittee after deliberations, approved the payment of honorarium of Rs.5,000/- per month, to the Coordinator and the Principal investigators of the COE.

15. Multidisciplinary project activity- Design & Development of Smart chair.

The committee considered the proposal seeking financial assistance of an approximate amount of Rs.1,36,850/- for taking up the interdisciplinary research project by the four faculty members of Mechanical, Electrical and Computer science & about 14 final year students. The committee opined that such projects will enhance the R & D interest among the final year students and accorded approval for extending the financial assistance to the proposed R & D activity from TEQIP II funds.

The meeting concluded with vote of thanks to the Chair.


Dr. K. Mallikharjun Babu
Principal & Convener


Prof. D. Thukaram
CHAIRMAN

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

NINTH MEETING | 1.4.2014 | SUB-COMMITTEE OF BOG | MINUTES

ANNEXURES



BMS COLLEGE OF ENGINEERING, BANGALORE-19
Minutes of First Review Meeting of activities of Centre of Excellence
in Advanced Materials Research
February 6, 2014

MEMBERS PRESENT:

1. Prof Kamanio Chattopadyaya, IISc	Chairman
2. Dr. D. Thukaram	Prof. of Electrical Engineering-IISc & Member, BOG
3. Dr. B.S.Sonde	Mentor- TEQIP II
4. Dr. Martin Jebaraj	Invitee
5. Dr. K. Mallikharjuna Babu	Principal
6. Dr. G. N. Sekhar	Vice Principal & TEQIP Coordinator-I
7. Dr.L.Ravikumar	TEQIP Coordinator-II
8. Dr. P.Martin Jebaraj	Director-R&D
9. Dr.M.Ramachandra	Principal Investigator & Coordinator-COE
10. Dr.S.Srinivas	Principal Investigator-COE
11. Dr. Chandasree Das	Principal Investigator-COE
12. Dr.M.V.Murugendrappa	Principal Investigator-COE
13. Sri.Sreenath	Project Officer- SPFU
14. Sri. Chandramohan	Project Officer- SPFU
15. Sri. Krishnamurthy	Project Officer- SPFU

The Principal, BMSCE extended a cordial welcome to Prof. K. Chattopadyaya, Chairman of Mechanical Sciences division-IISc.; Prof. B. S. Sonde, Mentor, TEQIP II; Prof. D.Thukaram, Chairman, BOG Sub-committee for TEQIP II activities at BMSCE, Project Officers from SPFU and the faculty members present. He then introduced the Project officers of SPFU and the faculty members to the Chairman. The Principal made a brief presentation about the institution.

The TEQIP Coordinator-I briefed the members about the activities of TEQIP and sanction of financial assistance for establishing the Centre of Excellence [COE] on Advanced Materials Research in the department of mechanical Engineering. He informed that the BOG had constituted a subcommittee under the chairmanship of Prof. D. Thukaram for effective implementation of the activities of TEQIP II in the college and the said committee conducted eight meetings so far. The BOG has approved all the decisions of the sub-committee.



BMS COLLEGE OF ENGINEERING, BANGALORE-19
Minutes of First Review Meeting of activities of Centre of Excellence
in Advanced Materials Research
February 6, 2014

The TEQIP coordinator-I further informed the Chairman about various resolutions of the BOG in its 54th meeting held on 13.1.2014 with reference to the activities of the COE [Extract of the resolutions are enclosed at Annexure-1]. The principal coordinators of the COE have made presentation of their proposed work and activities under the COE:

Dr.M.Ramachandra - Synthesis and Characterization of Metal Matrix Composite, Metal Matrix Nano Composite and polymer Nano composite:

After detailed deliberations, the Chairman made the following suggestions:

- Suggested to work on squeeze casting components which give better properties compared to stir cast MMCs
- Continue with application of squeeze cast MMCs for cylinder head.
- To look into dispersion issues of particles while developing FRP for windmill application using multi walled carbon Nano tube and other new materials
- To go ahead with the R&D in PMC with application to wind mill blades.
- To concentrate on one particular material in view of completing the proposed work in the stipulated time
- Refer the catalogues of General motors for automotive material.

Dr.S.Srinivas - Investigations into machining capabilities of Abrasive Water jet in Composites and Nanocomposites

After detailed deliberations, the Chairman made the following suggestions:

- To work on basic cutting mechanisms which improve surface-finish
- Along with MMCs try out other advanced materials such as PMC, CMC, soft Materials like PCBs, tungsten based materials and solar cells.
- Further to concentrate on one particular material in view of completing the proposed work in the stipulated time.
- To study the effect of water jet cutting on dynamic properties of materials like fatigue strength.
- To contact Prof. Sathish Kailas and Prof. Dutta for guidance.
- To go ahead with the proposed work on Abrasive Water Jet Cutting.



BMS COLLEGE OF ENGINEERING, BANGALORE-19
Minutes of First Review Meeting of activities of Centre of Excellence
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Dr.M.Murugendrappa - Synthesis and Characterization of Conducting polymers for sensors

After detailed deliberations, the Chairman made the following suggestions:

- Chairman indicated that world over, arsenate based compounds are banned. He suggested, if possible, avoiding it for the R&D work.
- He indicated that the work can continue according to the proposed plan of research.
- With regard to any specific advanced testing facilities required for the research work, he suggested to make use of facilities available at IISc.

Dr.Chandasree Das - Synthesis and Characterization of phase change memory (PCM) materials

After detailed deliberations, the Chairman made the following suggestions:

- To make use of FAB facility available at his lab for this research work.
- He agreed to help in studying switching mechanism in PCM materials.
- To continue with the proposed Research work.

The following are a few suggestions of the Chairman on certain general issues of the COE.

- To continue with collaborative activities as proposed with CMTI
- Thrust should be given to facility creation at BMSCE so that faculty from other colleges can make use
- To avoid publications in open access journals
- To be a part of NSM for getting technical help in conduction of workshops and other training programs for the faculty.
- To get in touch with National resource center for materials in IISc under UGC which will facilitate developing good research groups even from small institutions to promote collaborative research and training programs.
- In thrust areas of research, adaptation by IISc faculty is possible. He will help to identify an IISc professor to work in the thrust areas of research.



BMS COLLEGE OF ENGINEERING, BANGALORE-19
Minutes of First Review Meeting of activities of Centre of Excellence
in Advanced Materials Research

February 6, 2014

- He also mentioned about the availability of small funding opportunities for the process of developing research culture as a joint research proposal between IISc and institutions for getting grants from DST etc.
- Dr. Chandasree Das to coordinate with him to facilitate contact with other IISc professors for technical support

While expressing thanks for inviting him to the meeting, Professor B. S. Sonde apprised the chairman about the implementation of the Project. He expressed complete satisfaction on implementation of the project by the institution. He further stated that he is much impressed about the TEQIP II activities being conducted in the college in spite of delay in the release of Grants and appreciated Management for their proactive support. Prof. Sonde suggested to prepare time table based on each COE activity and the COE coordinators agreed to the same.

Prof. D. Thukaram apprised the Chairman about the regular monitoring of the TEQIP II activities in the college during meetings the sub-committee of BOG. The Chairman expressed his satisfaction about the ongoing & planned activities of the COE.

R & D work on solar cells:

Dr. Martin Jebaraj discussed the proposed R&D work on solar cell. With reference to the synthesis of solar cell by Dr. Shankar, the Chairman suggested to meet him for further guidance.

With regard to development of coating for solar cells by NOPO Nano technology which doubles the efficiency of solar cells, the Chairman sought for more details. Dr. Martin submitted that the details will be provided.

The meeting concluded with vote of thanks to the Chair.


PRINCIPAL


Prof. KAMANIO CHATTOPADYAYA
CHAIRMAN

Prof. K. Chattopadhyay
Chairman
Division of Mechanical Sciences
Indian Institute of Science
BANGALORE - 560 012, INDIA.



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

Minutes of 54th Meeting

January 13, 2014

ANNEXURE-1

3. STATUS REPORT ON THE ACTIVITIES OF CENTER OF EXCELLENCE (COE) ON ADVANCED MATERIALS RESEARCH

The member secretary briefed about the establishment of Center of Excellence (COE) on Advanced Materials Research with a sanction of Rs.5 Crores grant towards its activities.

3.1 SAVINGS BANK ACCOUNT-COE-TEQIP II

The Board noted that a separate savings bank account is opened at Allahabad Bank for COE. The details are as follows:

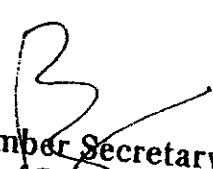
SB Account Title: COE-TEQIP-II
SB Account Number: 50166755417
Date of Opening: 20.8.2013
Current Balance: Rs.1,001/-

3.2 SANCTION OF GRANTS

The Board noted the communication of NPIU letter No. NPIU/TEQIP-II/FIN/30 dated 23.8.13 informing the institution about the sanction of grants of Rs.333.33 lakhs for establishing the COE in Advanced Materials Research at BMSCE and the funds are yet to be received by the college. While taking note of the same, the BOG advised the Programme Coordinators to follow-up the matter with the Government for immediate release of the funds.

3.3 PROCUREMENT

(a) The Board noted the proposal submitted by the coordinators of COE for procurement of equipment at an estimated cost of Rs.3.111 Crores towards establishing the Centre of Excellence [Annexure-10].


Member Secretary
Board of Governors (BOG)
B.M.S. College of Engineering
Bangalore - 560 019



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

Minutes of 54th Meeting

January 13, 2014

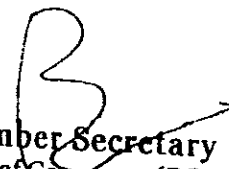
While on the subject the Programme Coordinator informed the Board that the permissible limit for procurement is Rs.2.75 Crores. He further explained that due to variation in the dollar price and change in available product specifications, this situation aroused. The Chairman of the subcommittee also opined that there is little that can be done in such circumstances as it is driven by the market trends. And it was requested that the Management shall support by providing the necessary funds.

The Board took note of the proposals in detail. After detailed deliberations, the Board approved the procurement proposals submitted for the Center of Excellence in Advanced Materials Research. The Board noted the procurement process initiated till date.

Taking cognizance of the additional requirement of funds the Board approved to extend additional financial support of about rupees thirty lakhs from the Management Funds. Further, the Board authorized the Chairman of BOG to give necessary approvals, if any in this regard.

- (b) The Board noted that bids were received for the equipment: (i) Scanning Electron Microscope (SEM), (ii) X-Ray diffraction analyzer (XRD), (iii) Abrasive water jet machine (AWJ) and (iv) Dual Sputtering Unit through National Competitive Bidding (NCB). The Board was informed that the technical and financial bids received for Abrasive water jet machine and Dual sputtering Unit are forwarded to NPIU for approval. The Board authorized the Principal to place purchase orders for these items after receiving the consent of NPIU.

The Board further noted that one bid is received towards the procurement of Scanning Electron Microscope (SEM) and two bids


Member Secretary
Board of Governors (BOG)
B.M.S. College of Engineering



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

Minutes of 54th Meeting

January 13, 2014

are received towards X-Ray diffraction analyzer (XRD). The price quoted for the items is 50% more than the estimated price. It is opined that more bids would have been received if the process is enabled through International Competitive Bidding (ICB) than NCB. After detailed deliberations, the Board suggested to cancel the NCBs and to initiate the procurement process through ICBs.

3.4 R&D COLLABORATIONS

The Board expressed satisfaction over the various R&D collaborations initiated.

3.5 RESEARCH ASSISTANTS


The Board granted permission for appointing research assistants to assist each of the coordinators of COE.

3.6 EXTERNAL SENIOR RESEARCH ADVISOR

The Board granted permission for appointing an external senior research advisor for the COE.

3.7 NEW PG PROGRAM (M.Tech.) IN MANUFACTURING SCIENCE & ENGINEERING

The Board noted that the proposed PG program in Advance Materials could not be started as the same was not a listed program of VTU. The Board considered the proposal to start 'M.Tech. Program in Manufacturing Science & Engineering', (listed under VTU PG programs) as submitted by the coordinators of COE & department of Mechanical Engineering.


Member Secretary
Board of Governors (BOG)
B.M.S. College of Engineering

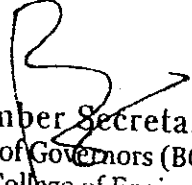


BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)

Minutes of 54th Meeting

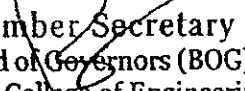
January 13, 2014

The Board approved the proposal & directed the Principal to initiate necessary action to start the new PG program from the next academic year that is 2014-15.


Member Secretary
Board of Governors (BOG)
B.M.S. College of Engineering
Bangalore - 560 019

**PROCUREMENT OF EQUIPMENT TOWARDS ESTABLISHING
THE CENTRE OF EXCELLENCE**

SNo	Description of Works/Goods	Estimated Cost in INR
1	Scanning Electron Microscope (SEM)	100,00,000
2	X-Ray Diffraction analyzer (XRD)	70,00,000
3	Abrasive Water Jet machine (AWJ)	90,00,000
4	FTIR Spectroscopy equipment	9,50,000
5	Magnetic Stirrer	6,000
6	Rectangular muffle furnace	23,000
7	Heating oven Up to 300° C	25,000
8	Heating Mantle	3,000
9	Hydraulic press, 15 ton capacity	51,000
10	Agate Mortar & pestle	1,500
11	Ice Maker	1,50,000
12	Dies and Plunger	12,000
13	Rotary Vacuum pump	9,000
14	UV/VIS Spectro-Photometer	6,00,000
15	Impedance Analyzer With Solid sample holder	9,80,000
16	Dual Sputtering Unit	15,00,000
17	Conductivity setup	8,00,000
TOTAL		311,10,500


Member Secretary
 Board of Governors (BOG)
 L.M.S. College of Engineering
 Bangalore - 560 019



Annexure - 2

Foreign travel, training, SC/ST, EAP

spfu ka rnataka <spfukarnataka@gmail.com>

Wed, Jan 29, 2014 at 5:45 PM

To: "Dr. AIT, Bangalore" <drkl@rediffmail.in>, "Dr. AIT, Bangalore" <swamy_vtu@yahoo.com>, siddharaju_b@yahoo.co.in, becprincipal@yahoo.com, BEC Bagalkot <becteipco@gmail.com>, vinod526@yahoo.co.in, principal@msrit.edu, "MSRIT, Bangalore" <nvmaidu@gmail.com>, "MSRIT, Bangalore" <hod_im@msrit.edu>, yagprash@hotmail.com, PDA Gulbarga <principal@pdaengg.com>, PDA Gulbarga <mgadge_100@rediffmail.com>, geeke_purohit@rediffmail.com, RVCE Bangalore <principal@rvce.edu.in>, RVCE Bangalore <satya@rvce.edu.in>, "Prof. KNR" <rajaraokn@rvce.edu.in>, satya.s@rvce.edu.in, principal@pes.edu, tr.seetharam@pes.edu, sspatil@pes.edu, SDM Dharwad <principal@sdmcet.ac.in>, SDM Dharwad <dr.s.m.kumar@gmail.com>, Mahesh Patil <mahesh.patil@gmail.com>, rajashekar patil <eashan123@gmail.com>, sy_kul@yahoo.com, NMAMIT nitte <principal_nmamit@nitte.edu.in>, NMAMIT nitte <mith9999@yahoo.com>, /ogeeshhegde@yahoo.com, SSIT Tumkur <kak10746@rediffmail.com>, SSIT Tumkur <a.mehatha@gmail.com>, rrtmk@gmail.com, SIT Tumkur <director@sit.ac.in>, SIT Tumkur <mnc_sit@hotmail.com>, lineshsv2004@yahoo.com, principal@sit.ac.in, SIT Tumkur <sksittum@yahoo.com>, bg.bgsangam@yahoo.com, prasad Sundarraj <prasad_s_k@hotmail.com>, pnsamy@yahoo.com, bmsada@yahoo.com, NIE Mysore <principal@nie.ac.in>, NIE Mysore <principalnie@yahoo.com>, NIE Mysore <hdphane@yahoo.com>, The National Institute of Engineering Mysore <nie.teqip.mysore@gmail.com>, kumar_nie@yahoo.co.in, MCE Hassan <kguru.hs@gmail.com>, BMS Bangalore <drkmbabu@gmail.com>, drkmbabu@bmsce.ac.in, BMS Bangalore <viceprincipal@bmsce.ac.in>, "Dharmaprakash M.S" <msdharmaprakash@gmail.com>, msd.chem@bmsce.ac.in, uri rama <suriisc@yahoo.com>, suri.civ@bmsce.ac.in, "UVCE, Bangalore" <venugopalkr@gmail.com>, mruvce@yahoo.co.in, thrivenijgowda@yahoo.co.in, raja_kb@yahoo.com, shenoypd@yahoo.com, Shashidhar amatal <principalgsksjti@gmail.com>, SKSJT Bangalore <drmbpatil@gmail.com>, Nagesh R <nagesh.r@gmail.com>, pradeepkumar k <kpk16@gmail.com>, BVB Hubli <ashokshettar@bvb.edu>, BVB Hubli <iqcoord@bvb.edu>, tqnodproc@bvb.edu, PES Mandya <venusridhar@yahoo.com>, mailhoovera@yahoo.com, ap_pesce@yahoo.com, knchary@indiatimes.com, knumesh_pesce@rediffmail.com, NMIT Bangalore <principal@nmit.ac.in>, karsetty@hotmail.com, hmrnama@india.com, rajashetty@nmit@gmail.com, professor chirag <chirag.nmit@gmail.com>, kiran-kumar@yahoo.com, nsj@mcehassan.ac.in <nsj@mcehassan.ac.in>, kulkarni_ak@hotmail.com, sharan padashetty <sharanpadashetty@gmail.com>

To,

The Principal,

TEQIP Institutions

r,

This office would like to bring to your kind notice that



BMS COLLEGE OF ENGINEERING, BANGALORE-19
(Autonomous College under VTU)

No. BMS 08 EST(U) 2013

Date: 04.03.2014

OFFICIAL MEMORANDUM

Sub: Continuing the services of Smt. Padmini P V, MIS Data Entry Operator, TEQIP - II under Management cadre
Ref: Office Note dated 03.03.2014 and orders of the Principal dated: 03.03.2014.

* * *

The services of Smt. Padmini P V, MIS Data Entry Operator, TEQIP - II who has been appointed for a period of one year on contract basis and working in TEQIP office of BMSCE from 06.03.2013 is extended throughout the TEQIP project period. Also her consolidated pay has been enhanced to Rs.11000/- (from Rs.10000/- to Rs.11000/-) p.m.

The other conditions stipulated in the original Official Memorandum remains unaltered.


PRINCIPAL

Distribution:

1. Smt. Padmini P V, MIS Data entry operator - TEQIP II
2. Vice Principal
3. TEQIP Office
4. Office Copy



Annexure - 4

BMS COLLEGE OF ENGINEERING, BANGALORE-19
(Autonomous College under VTU)

No: BMS 08 EST(U) 2013

Date: 22.03.2014

OFFICIAL MEMORANDUM

Sub: Appointment of Sri.D.Suresh as Office Asst under TEQIP-II.
Ref : Orders of the Chairman, BOG dated 21.03.2014.

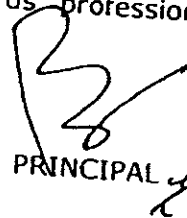
In accordance with the orders dated 21.03.2014 referred above, Sri.D.Suresh residing at No.23, Grape Garden, Ejipura, II Cross, B'lore is appointed as Office Assistant under TEQIP - II, on a consolidated salary of Rs.20,000/-PM (Rupees Twenty Thousand only) with applicable PF subject to the following conditions.

1. In case the offer is accepted he is required to report to the undersigned on or before 26.3.2014 and submit proformas A & B enclosed, failing which the appointment order will be cancelled without any further notice.
2. The order will take effect from the actual date of reporting to duty.
3. The appointment is on contract basis till the end of TEQIP-II Project period, with one month's notice period on either side. His salary shall be met out of TEQIP-II funds.
4. In addition to assigned duties, he has to attend to any other work assigned to him by TEQIP Coordinator/Principal/Management without prejudice to his normal assigned duties.
5. The candidate is eligible for one day casual leave on completion of every month.
6. The appointment may however be terminated with a month's notice any time, without assigning any reason, depending on the exigencies of service.
7. The candidate appointed shall abide by the rules and norms of the college.

Looking forward to your positive contribution towards professional as well as institutional growth.

Distribution:

1. Sri.Suresh D
2. Vice Principal
3. Teqip Office
4. Pay Rolls
5. Office Copy.


PRINCIPAL



Anne-sure-

BMS COLLEGE OF ENGINEERING, BANGALORE-19
(Autonomous College under VTU)

No: BMS TEQIP 2013-14

Date: 26.03.2014

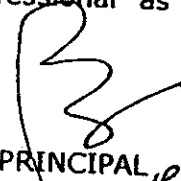
OFFICIAL MEMORANDUM

Sub: Appointment of Smt.R.Roopashri as Office Asst under TEQIP-II-COE.
Ref : Orders of the Chairman, BOG dated 24.03.2014.

In accordance with the orders dated 24.03.2014 referred above, Smt.R.Roopashri residing at No.512/E, I Main Road, R.P.C Layout, Vijayanagar, B'lore is appointed as Office Assistant under TEQIP - II-COE, on a consolidated salary of Rs.10,000/-PM (Rupees Ten Thousand only) with applicable PF subject to the following conditions.

1. In case the offer is accepted she is required to report to the undersigned on or before 2.4.2014 and submit proformas A & B enclosed, failing which the appointment order will be cancelled without any further notice.
2. The order will take effect from the actual date of reporting to duty.
3. The appointment is on contract basis till the end of TEQIP-II(COE) Project period, with one month's notice period on either side. Her salary shall be met out of TEQIP-II-COE funds.
4. In addition to assigned duties, she has to attend to any other work assigned to her by TEQIP Coordinator/Principal/Management without prejudice to her normal assigned duties.
5. The candidate is eligible for one day casual leave on completion of every month.
6. The appointment may however be terminated with a month's notice any time, without assigning any reason, depending on the exigencies of service.
7. The candidate appointed shall abide by the rules and norms of the college.

Looking forward to your positive contribution towards professional as well as institutional growth.


PRINCIPAL

Distribution:

1. Smt.R.Roopashri
2. Vice Principal
3. Teqip Office
4. EST Section
5. Office Copy.

21 MAR 2014

Proceedings of the Director of Technical Education in Karnataka

Sub: Release of 2nd instalment of grants to 11 TEQIP Engineering colleges under World Bank Assistance for the year 2013-14.

Ref: 1. Govt. of India (MHRD) letter No.16-5/2013-TS VII PT, dated 18-09-2013 & 27-09-13
2. Govt. of Karnataka Sanction order No.ED 67 HPT 2013, dated 04-01-2014

Preamble

The Govt. of India in the letter cited under ref (1) has released 75% of its share amounting to Rs.2325.00 lakhs as 2nd instalment of grants to 11 TEQIP Engineering Colleges. The State Govt. as a part of its 25% share has also released Rs.775.00 lakhs along with the Central share, and a total of Rs.3100.00 lakhs, which is to be distributed among 07 Govt. Aided & 04 Private TEQIP Engineering Colleges. Hence this order.

ORDER NO. DTE/TEQIP/FIN/CR-88/13-14, BANGALORE, DT: 04.02.14

Under the circumstances cited above approval is accorded for release of 2nd instalment of grants to the TEQIP institutions as per annexure-I, subject to terms and condition as per annexure-2. The cheque may be issued in favour of the concerned Principal of the institution and expenditure is to be incurred under TEQIP-II grants. The amount may be drawn from the PD account of the Director of Technical Education.

The concerned Principal of the institution are hereby informed to meet the expenditure as per the PIP document and orders/ instructions issued by NPIU/MHRD/State Govt. with utmost care & caution and justification.

The above grant is subject to following terms & conditions (include all conditions mentioned in Government of India, Government release order) :-

“ಸರ್ಕಾರದ ಆದೇಶ ಉಲ್ಲೇಖ(2)ರಲ್ಲಿ 3ನೇನುಮಿತ II ಖಾಸಗಿ ಹಾಗೂ ಅನುದಾನಿತ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳಲ್ಲಿ ಟೆಕ್ನಿಕ್-II ಯೋಜನೆಯನ್ನು ಅನುಷ್ಠಾನಗೊಳಿಸಲು ಒದಗಿಸಿರುವ ಆಯವ್ಯಯದಲ್ಲಿ ರೂ.3100.00 ಲಕ್ಷಗಳನ್ನು ನಿಯಮಾನುಸಾರ ಎಸ್‌ಪಿಫ್‌ಯುಗೆ ಹಾಗೂ ಪ್ರಚಲಿತ ವಿದೇಶ ಪ್ರವಾಸ ಮಾಡಿದ ಪ್ರಯಾಣವೆಚ್ಚ ಭರಿಸುವುದನ್ನು ಹೊರತು ಪಡಿಸಿ ಖರ್ಚು ಭರಿಸಲು ಹಾಗೂ ಯೋಜನೆಗೆ ಸಂಬಂಧಿಸಿದ ನಿಯಮ ಪರಕುಗಳನ್ನು ಹಾಗೂ ಪ್ರಚಲಿತ ನಿಯಮಗಳನ್ನು ಚಾಚೂ ತಪ್ಪದೇ ಪಾಲಿಸಲು ಸೂಚಿಸಲಾಗಿದೆ”

1. The institutions shall implement activities within the framework of Project Implementation Plan (PIP), Development Credit Agreement (DCA) and Project Agreement (PA).

VP
21/03/14
12/3/14
TEQIP Office

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

**THE DETAILS OF FACULTY MEMBERS WHO HAVE ATTENDED/PROPOSED TO ATTEND PROGRAMS
 OUTSIDE THE COLLEGE WHICH WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION**

Sl. No.	Name of the Faculty, Designation & Dept.	Details of Program	Place	Workshop/ Conf. Dates
1.	Sri G.Saravana kumar Asst.Professor, ME	International Conference on ASIATRIB 2014	Agra	February 17-20, 2014
2.	Sri Dilip Maruti G Asst.Professor, ME			February 17-21, 2014
3.	Dr.L.Ravikumar Professor, ME	Training of Evaluators on outcome based education and accreditation	VTU, Belgaum	February 03& March 14-16, 2014
4.	Dr.J.Sharana Basavaraj Asst Professor, ME			
5.	Sri Basavaraj Jakkali Asso.Professor, CSE	Training of Evaluators/Resource persons on Outcome Based Accreditation Phase-I and Phase-II	RVCE, Bangalore	February 03, 2014 & February 15-17, 2014
6.	Sri.Sreekanth N.V Asst Professor, ME	CNC Programming through Mastercam X7	CMTI, Bangalore	February 05-March 05, 2014
7.	Sri.Ram Rohit.V Asst Professor, ME	Workshop on " RC Aircraft Design Fabrication & Flying"	NMIT, Bangalore	February 07-08, 2014
8.	Dr.L.Ravikumar Professor, ME	National Symposium on ROTOR DYNAMICS	Dr AIT, Bangalore	February 12-14, 2014
9.	Dr. Giridhar .G Professor, ME			
10.	Sri H.M. Shivaprasad Assoc Professor, ME			
11.	Dr A Chetan Nayak Asst Professor, CH	Green & Clean Technologies in Chemical Engineering & Biotechnology	SIT, Tumkur	February 14-15, 2014
12.	Sri C.T.Putta Swamy Assoc Professor, CH			
13.	Dr.Mayanaik Professor, CV	International Seminar on Alternative Fuels and Raw Materials for Compressing in Cement Industries	Bangalore Institute of Technology, Bangalore	February 14-15, 2014
14.	Dr.L.Ravikumar Professor, ME	International Conference on Tribology, ASITATRIB-2014	Agra	February 17-20, 2014
15.	Dr.K.R.Suresh Professor, CV	EDUSAT Outreach Program	IIRS-ISRO, Dehradun	February 20-21, 2014
16.	B.N.Beena Ullala Mata Asso. Professor, ML	National Conference on Software Engineering - NCSE' 14	MSRIT, Bangalore	February 20-21, 2014
17.	Sri.Gururaj H.S Asst Professor, ME	International Summer School on Leading Edge software Engineering	NITK , Suratkal	March 03-08, 2014

Sl. No.	Name of the Faculty, Designation & Dept.	Details of Program	Place	Workshop/ Conf. Dates
18.	Dr.L.Ravikumar Professor, ME	Enhancing Quality of Technical Education & Research	IIT, Hyderabad	March 07-08, 2014
19.	Dr. Rammohan Y. S Asso. Professor, ME			
20.	Dr J. Sharanabasavaraj Asst Professor, ME			
21.	Sri.Prabhuswamy N.R Asst Professor, ME			
22.	Dr. Chetan A Nayak Asst Professor, CH	Statistics for Experimentalists	IIT, Madras	March 17-19, 2014
23.	Sri.Sainath.K Asst Professor, CH			
24.	Dr Gowrishankar Professor & HOD	Workshop on "Outcome Based Education "	Bapuji Institute of Engineering and Technology	March 05 & 21-23, 2014
25.	Dr G. Varaprasad Asso Professor, CSE			
26.	Dr. V. Umadevi Asso Professor, CSE			
27.	Sri Ugrasen.G Asst Professor, ME	International Conference On Materials Processing and Characterization (ICMPC- 2014)	Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad	March 08-09, 2014
28.	Sri Suresh E. Asst Professor, ME	International Conference On Materials and Characterization Techniques 2014 (ICMPC- 2014)	VIT University, Vellore	March 10-12, 2014
29.	Dr. Gowrishankar, Prof & HOD Computer Science & Engg	M/s RUCUKS Wireless has Implemented wireless Solutions and digital repository"	VIT & Veltech University, Chennai	March 12, 2014
30.	Dr. G.N.Sekhar Vice Principal			
31.	Dr. Shambhavi B.R Assoc Professor, ISE	" QEEE Workshop"	India International Centre, New Delhi	March 13, 2014
32.	Dr. M.S. Dharmaprakash Professor, CHE	NPIU Procurement Audit of TEQIP -II	NPIU, New Delhi	March 18, 2014
33.	Dr. Chandasree Das Asst Professor, EEE	Smart Transmission Grid Challenges Integration of Renewables"	CPRI, Bangalore	March 20-21, 2014
34.	Dr. P. Meena Asso. Professor, EEE			
35.	Sri B. Venkatesh Asst Professor, EEE			
36.	Dr. J. Sharanabasavaraj Asst Professor, ME	International Conference on Advance In Manufacturing and Materials Engineering	NITK, Suratkall	March 26-29, 2014
37.	Smt Prathima.B. Assistant Professor Civil Engg	GIS and Modelling Application in Environmental Engineering	SJCE, Mysore	March 28-29, 2014

STAFF MEMBERS WHO HAVE ATTENDED / PROPOSED TO ATTEND THE PROGRAMMES WHICH WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

TRAINING/WORKSHOP

Sl. No.	Name of the Staff & Dept.	Workshop / Conference Details		
		Name	Place	Workshop/ Conf. Dates
1.	Sri Muralidhara.M.R Instructor, ECE	RH-134-Redhat System Administration-II	Linux Learning Centre, Bangalore	January 27-30, 2014
2.	Sri Prakash.R Instructor, ECE	Matlab Orcad Keil Xilinx	SJBIT, Bangalore	January 28-30, 2014
3.	Sri Jagadeesh.T.N Typist, ME	Training on "MS Access"	Advanced Training Institution Mumbai	February 10-14, 2014

DETAILS OF INHOUSE PROGRAM CONDUCTED WHICH WAS APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

Sl. No.	Name of the Department	Title of the Program	Program Dates	Approx. Expenditure (Rs.)
1.	Mechanical Engineering	Antariksh 3 day Symposium on air and Space Technology	February 22-24, 2014	1,00,000/-

STUDENTS WHO HAVE PROPOSED TO ATTEND THE TRAINING/WORKSHOP WHICH WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

Sl. No.	Name of the Student & Dept.	Workshop /Conference Details		
		Name	Place	Workshop/ Conf. Dates
1.	Mr.Md.Shadman Alam VIII Sem BE-ISE	Boeing IIT Aero Modelling Competition	IIT, Bombay	February 7-9, 2014
2.	Sri Shubham Singh Chemical Engineering	International Conference on Green & Clean Technologies in chemical Engineering and Biotechnology	SIT, Tumkur	February 14-15, 2014
3.	Varsha Govindarajan Chemical Engineering			
4.	Malini Das Gupta Chemical Engineering			

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

THE DETAILS OF FACULTY MEMBERS WHO HAVE ATTENDED/PROPOSED TO ATTEND PROGRAMS OUTSIDE THE COLLEGE

Sl. No.	Name of the Faculty, Designation & Dept.	Details of Program	Place	Workshop/Conf. Dates
1.	Smt Arathi R Shankar Asso. Professor. ECE	Design of RF and Digital Communication Systems	RVCE, Bangalore	February 03-07, 2014
2.	Smt Suma M.N. Asso. Professor. ECE			
3.	Sri Rangavittal H.k Asso. Professor, ME	"Surface Coating"	CMTI, Bangalore	February 19, 2014
4.	Dr. B.S. Suresh Professor, ME			
5.	Sri.Chandra Babu C. K Asso.Professor, ME			
6.	Dr M.Ramachandra Professor, ME			
7.	Sreekanth N.V Asst Professor, ME			
8.	Dr. S. Srinivas Asso.Professor, ME			
9.	Madhava Murthy Asst Professor, ME			
10.	Dr J. Sharanabasavaraj Asst Professor, ME			
11.	Dr. B. Kanmani Professor & HOD, TCE	"Digital Wireless Communication"	IIT, Jodhpur	February 23-24, 2014
12.	Dr. M. Rajeshwari Hegde Asso. Professor, TCE			
13.	Dr. B.Kanmani Professor & HOD, TCE	" WOSA- 2014"	Hotel Ashoka , New Delhi	March 08-10, 2014
14.	Dr. Seshachalam. D. Professor & HOD, ECE			
15.	Dr. H.S. Guruprasad Professor & HOD, ISE			
16.	Dr. K. R. Suresh Professor , CV			
17.	Sri Suresh Erranagari Asst Professor, ME	" International Conference On Materials and Characterization Techniques 2014 " (ICMPC- 2014)	VIT University, Vellore	March 10-12, 2014
18.	Sri.R. Suresh Kumar Asst Professor, ME	"International Conference on Advances in Manufacturing and Materials Engineering "	NITK, Surathkal	March 27-29, 20114
19.	Ugrasen.G Asst Professor, ME			
20.	Smt Prathima.B. Assistant Professor Civil Engg	"GIS and Modelling Application in Environmental Engineering"	SJCE, Mysore	March 28-29, 2014
21.	Dr.Murugendrappa M.V. Asso.Prof., Physics	Workshop on "Leadership Excellence for Academic Administrators	JNTU Campus, Hyderabad	April 9-10, 2014
22.	Sri.K.Ravishankar Asso.Prof., Physics			

Sl. No.	Name of the Faculty, Designation & Dept.	Details of Program	Place	Workshop/ Conf. Dates
23.	Dr.Rameshaiah Asso.Prof, CH	International Conf on Emerging Trends in Traditional & Technical Textiles	Dr.Ambedkar National Inst. of Tech. Jalandhar	April 11-12, 2014
24.	Sri.Reddy Nalk Asst.Prof,IEM	Workshop on 5S Lead Auditor	Organised by Quality Circle Forum of India , Secunderabad & Subasri Gurukul, B'lore at Bangalore	April 18-19, 2014
25.	Dr.B.R.Ramji Asst.Prof, IEM			
26.	Dr.S.Gowrishankar HOD-Cs	Managerial effectiveness	Trg prog conducted by Jaipur Productivity Centre at Mussourie	April 21-25, 2014
27.	Dr.Rudra Nalk	Paper presentation at Intl.Conf. IMEC-2014	NIT, Tiruchirappalli, TN	June 13-15, 2014

STAFF MEMBERS WHO HAVE ATTENDED/PROPOSED TO ATTEND PROGRAMS OUTSIDE THE COLLEGE

Sl. No	Name of the Staff & Dept	Workshop / Conference Details		
		Name	Place	Workshop/ Conf. Dates
1.	N. Chowdappa Librarian	M/s RUCUKS Wireless has Implemented wireless Solutions and digital repository"	VIT & Veltech University, Chennai	March 12,2014
2.	Sri R. Balaji Procurement Manager, TEQIP	" NPIU Procurement Audit of TEQIP -II"	NPIU, New Delhi	March 18,2014

DETAILS OF INHOUSE PROGRAMS CONDUCTED / PROPOSED TO CONDUCT

Sl. No.	Name of the Department	Title of the Program	Program Dates	Approx. Expenditure (Rs.)
1.	Electronics & Communication & Medical Electronics Engineering	Two days' Workshop on "Image Processing and Applications"	March 22-23, 2014	62,500/-
2.	Civil Engineering	one day Workshop on "utilisation of Solid Waste in Civil Engineering Construction"	April 05, 2014	1,08,500/-
3.	Mechanical Engineering	Three Days "Gas Turbine Technology and Current Challenges"	April 21-23, 2014	1,24,000/-
4.	Mechanical Engineering	One week Faculty Programme on "Theoretical , Computational Applied Mechanics"	June 16-20, 2014	2,65,000/-
5.	Chemical Engineering	Three day basic Course on Occupational Safety	April 09-11, 2014	19,000/-
6.	Civil Engineering	One Week Workshop on "Structural Modelling and Nonlinear Analysis for Seismic Vulnerability Assessment of RC Frame Buildings Using the Software SAP2000	April 28 , May 02, 2014	64,000/-
7.	Mathematics	Linear Algebra & its applications	June 23 -27, 2014	1,45,000/-
8.		Computational Fluid Dynamics	June 30-July 12, 2014 [previously proposed during Jan 2014	2,50,000/-
9.	Medical Electronics	Design of soft computing models using artificial Neural networks	April 25-26, 2014	Rs.59,100/-

STUDENT WHO HAVE ATTENDED/PROPOSED TO ATTEND PROGRAMS OUTSIDE THE COLLEGE

Sl. No.	Name & Dept of student	Programme Details		
		National Symposium on ROTOR DYNAMICS	Dr AIT, Bangalore	February 12-14, 2014
1.	Sri Dinesha Na M.Tech	All India Conference on "Waste Management & Pollution Controls"	KLE College, Belagum	March 07-08, 2014
2.	Sri Raghu Yogaraju PhD			
3.	Smt Ashwini R Civil Enginnering			
4.	Sri Ashwini A. Civil Enginnering			
5.	Sri Achyuth K.N Civil Enginnering			
6.	Sridhara D.S Civil Enginnering			
7.	Ravi B Patil Civil Enginnering			
8.	Sri Manoj V. Civil Enginnering			
9.	Smt Vyshanvi D.R Civil Enginnering			
10.	Smt Nandini I.V Civil Enginnering			
11.	Smt Pallavi R Civil Enginnering			
12.	Prarthana M.K Civil Enginnering			
13.	Sri Sachin A.B Civil Enginnering			
14.	Sri Ramya H.N Civil Enginnering			
15.	Smt Mamtha Civil Enginnering			
16.	Smt Teja K.H Civil Enginnering			
17.	Smt Sukruti Duvvuri Civil Enginnering			
18.	Sri Hemanth G. Civil Enginnering			
19.	Sri Manjunath Kalmath Civil Enginnering			
20.	Smt Roopa G.P Civil Enginnering			
21.	Smt Manasa M. Civil Enginnering			
22.	Sri Anam Khan Civil Enginnering			
23.	Smt Sneha R Civil Enginnering			
24.	Smt Pooja V.S Civil Enginnering			
25.	Smt Janhavi A Desai Civil Enginnering			
26.	Sri Rayees Ahmed Sarkar, Civil Enginnering			
27.	Smt Jeffrin Rajan Civil Enginnering			

Sl. No.	Name & Dept of student	Programme Details		
28.	Sri Ragavendra A Electrical Electronics Engineering	International Conference on ICRiset- 2014	Goa	March 16, 2014
29.	Smt Sharmitha.M Electrical Electronics Engineering			
30.	Akash. S.A Electrical Electronics Engineering			
31.	Arpit Gupta Electrical Electronics Engineering			
32.	Praveen.M Electrical Electronics Engineering			
33.	Akshay Menon Electrical Electronics Engineering			
34.	Shreeharsha R.Kolthaya Telecom. Engg	Epics Workshop	NITK, Surathkal	March 22-23,2014
35.	Abhirama K.S. Telecom.Engg			
36.	Around 90 Students of Electrical Electronics Engineering Dept.	National Level student Competition on Renewable Energy	IIT, Madras	March 22, 2014
37.	Around 60 Students of Electrical Electronics Engineering Dept.	Industry visit on BMRCL	BMRCL	April 05, 2014
38.	Students of Electrical Electronics Engineering Dept	Industry visit on Integrated Electric	Peenya	April 07, 2014
39.	120 Students of Mech. Engg	Industry visit	Robert Bosch	March-April 2014
40.	160 Students of Mech. Engg	Industry visit	SCANIA	March-April 2014
41.	50 Students of Mech. Engg	Industry visit	WIPRO FLUID POWER	5 th April 2014
42.	60 Students of Mech. Engg	Industry visit	ASHOK LEYLAND	April 2014

BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 55th Meeting

April 7, 2014

ANNEXURE-XI

REPORT OF THE COMMITTEE WITH REGARD
FURNITURER EQUIREMENT

B.M.S.COLLEGE OF ENGINEERING:BANGALORE-19
(Autonomous College under VTU)

Ref.No.BMS/Dean-Mgmt/2013-14

Date.02.04.2014

REPORT SUBMITTED TO THE PRINCIPAL ON FURNITURE REQUIREMENTS FOR FACULTY AT VARIOUS CADRES.



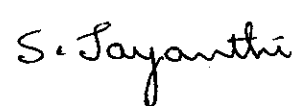
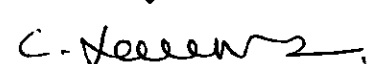

The committee constituted for the above purpose met on 1st April 2014 at 3.00 pm and again on 2nd April 2014 at 12.00 noon. The members discussed the matter in detail and finally decided on the following furnitures/requirements for the faculty at various cadres.

Faculty at various cadres	Facilities
Asst. Professors	1.A Table (4' x 2.4') with computer Facility (Table which has a space to keep CPU) 2.An Executive Chair (Appx. cost Rs.4,000/-) 3.Two visitors Chairs 4. Soft cum white Board 2'x3' 5. An Almirah 6. Printer- to be shared 7. Book Rack- to be shared 8. Telephone –intercom facility to be provided- to be shared. 9. A Computer with internet connectivity
Associate Professors	1 .A Table (4.6' x 2.4') 2. An Executive Chair (Appx cost Rs.4,000/-) 3. Two visitors Chairs 4. Soft cum white Board 2'x3' 5. An Almirah 6. Printer 7. Book Rack 8. Telephone –intercom facility to be provided. 9. A Computer with internet connectivity

P.T.O

Professors	1. A Table (4.6' x 3') 2. Side Table 3. An Executive Chair- high back (Appx. Rs. 5,000/-) 4. Three visitors Chairs 5. One Soft Board cum white board - 2'x3' 6. An Almirah 7. Printer 8. Book Rack 9. Telephone –intercom facility to be provided. 10. A Computer with internet facility to be provided
HODs	1. A Table (5' x 3') 2. Side Table 3. An Executive Chair- with high back (Appx. Rs.5,000/-) 4. Three visitors Chairs 5. One Soft Board cum white board - 2'x3' 6. An Almirah 7. Printer 8. Book Rack 9. Telephone –intercom facility with '0' dialing to be provided. 10. A Computer with internet connectivity.

The above suggestions is for prospective implementation.

1. Dr.S.Nagendra - Chairman - 
2. Dr.B.Kanmani - Member - 
3. Dr.S.Jayanthi - Member - 
4. Dr.C.Lakshminarayana - Member - 
5. Dr.M.S.Dharmaprakash- Member - 

Dr.Surekha Nagesh and Dr.Mamatha P Raj didn't attend the meetings.