



BMS COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute under VTU

MINUTES OF ACADEMIC COUNCIL MEETING # 11 HELD ON 10.06.2016

MINUTES OF THE MEETING OF THE ACADEMIC COUNCIL HELD ON 10.06.2016 AT 3.30 PM IN STUDIO 11, THIRD FLOOR, WORKSHOP COMPLEX, BMS COLLEGE OF ENGINEERING

MEMBERS PRESENT:

Dr.K.Mallikharjuna Babu	Chairman	Dr.B.Kanmani	Member
Dr.G.N.Sekhar	Member	Dr.K. Narasimha Rao	Member
Dr.K.Rajanikanth	Member	Dr.Samita Maitra	Member
Dr.Lawrence Jenkins	Member	Dr.H.N.Suma	Member
Dr.S.Seetharamu	Member	Dr.M.Rajyalakshmi	Member
Dr.R.Venkatram	Member	Dr.M.S.Dharma Prakash	Member
Dr.Venkateshwaran Narayanan	Member	Dr.S.Jayanthi	Member
Mr.D.V.Jagadish	Member	Dr.M.Indiramma	Member
Mr.Veerendra Kumar	Member	Dr.Santhosh R. Desai	Member
Mr.Subhashish Pal	Member	Dr.G Poornima	Member
Dr.Suresh Ramaswamyreddy	Member	Dr.P.Martin Jebaraj	Member
Dr.S.Muralidhara	Member	Dr.Vinod C. Aralimatti	Invitee
Dr.Ravishankar Deekshit	Member	Dr.K.Guruprasad	Invitee
Dr.L.Ravikumar	Member	Dr.Mamatha P. Raj	Invitee
Dr.D.Seshachalam	Member	Dr.Sakey Shamu	Invitee
Dr.K.J.Rathan Raj	Member	Dr.B.G.Prasad	Invitee
Prof. K.R.Madhu Chand	Member	Dr.Ravishankar B	Invitee
Dr.H.S.Guruprasad	Member	Dr.Mangala Keshava	Invitee
Dr.Gowrishankar	Member	Dr.R.V.Ranganath	M.Secretary

Dr. K. Mallikharjuna Babu, Principal, BMSCE and Chairman, Academic Council extended a cordial welcome to all the members/invitees to the eleventh meeting of the academic council.

The Chairman then requested the Member-Secretary to take up the agenda items for discussion and approval.

SECTION 1: ITEMS FOR CONFIRMATION

1.1 CONFIRMATION OF THE MINUTES OF TENTH ACADEMIC COUNCIL MEETING HELD ON 29.02.2016

The minutes of the meeting of tenth Academic Council held on 29.02.2016 were confirmed by the council.



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SECTION 2: ITEMS FOR INFORMATION

2.1. ACTION TAKEN REPORT ON THE DECISIONS OF THE TENTH ACADEMIC COUNCIL MEETING HELD ON 29.02.2016

The Council took note of the actions taken on the decisions of its tenth meeting held on 29.02.2016. The Member-Secretary informed the Council that, the Program Specific Outcomes [PSOs] of CV/EE/EC/TC/IT and ML have been re-defined as per the suggestions made by the members in the previous AC meeting (held on 29.02.2016). The Council perused the re-defined PSOs and made the following remarks:

TE	PSO2 be suitably revised - make it simple to produce achievable outcomes.
IT	Process Control Automation and virtual instrumentation are to be included in PSO2
ML	The PSO1 be revised as "Apply, Analyze and demonstrate various applications of analog and digital electronic subsystems in designing and building biomedical instrumentation systems"

With the above observations, the Council approved the PSOs of CV/EE/EC/TC/IT and ML programmes.

2.1.2 A REPORT ON IMPLEMENTATION OF COMPREHENSIVE COURSES

The Member-Secretary invited students of different departments to share their remarks/opinions/suggestions on the implementation of comprehensive courses offered by the departments.

Many students expressed their happiness over the offering of comprehensive courses with self-study as a major component and its outcomes. They opined that self-study has provided them an opportunity to enhance their critical thinking abilities and competence to learn on their own. Few of them opined that having one project which will address two self-study components in each semester would enable them to collaboratively tackle more challenging projects.

2.2 CURRICULUM DESIGN AND DEVELOPMENT SESSIONS HELD AT INSTITUTE LEVEL FOR FINALIZATION OF SCHEME & SYLLABUS FROM 5 TO 8 SEMESTERS.

The proceedings of Curriculum Design & Development (CDD) meetings held to discuss and finalize the Scheme & Syllabus from 5-8 semester courses were noted and the efforts put in by various clusters to bring in new changes in Curriculum was appreciated. The proceedings of CDD meetings are provided at **Annexure-I**.



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2.3 ACCREDITATION OF UNDERGRADUATE PROGRAMMES – STATUS REPORT

The Council noted that the National Board of Accreditation (NBA) had approved the accreditation status eleven UG Programmes of BMSCE under Tier-I Format (Washington Accord). Out of which, five programmes were accredited for five years and six programmes for 02 years. The UG Programmes accredited for 02 years, need to submit pre-qualifier and compliance report to be considered to formulate a view whether the compliance report is enough to recommend for accreditation or a visit to the Institute is necessary. The programmes accredited for two years are listed hereunder:

SNo	Dept/Programme	Awarded w.e.f.	Duration	Valid up-to
1	Instrumentation Engineering	01.01.2014	02 Years	31.12.2015
2	Electrical & Electronics Engg.,	01.07.2014	02 years	30.06.2016
3	Computer Science & Engg.,	01.07.2014	02 years	30.06.2016
4	Information Science & Engg.,	01.07.2014	02 years	30.06.2016
5	Medical Electronics	01.07.2014	02 years	30.06.2016
6	Bio Technology	01.07.2014	02 years	30.06.2016

The institution has already the initial Pre-Qualifiers as mandated. The compliance reports are being submitted to NBA through online on 11.06.2016.

The council unanimously approved and ratified the action taken.

2.4. ACCREDITATION OF POSTGRADUATE PROGRAMMES – STATUS REPORT

The Dean (PG Studies) presented a brief report on the status of accreditation of PG Programs by the NBA and the Council noted the following:

- The institution is initially seeking NBA accreditation to 09 eligible PG (M. Tech.) programs under Tier-II Format.
- The Tier-I document is applicable to the programs which are academically autonomous whereas, the Tier-II document is for the non-autonomous programs.



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- c) The programs that wish to be accredited must request applicant status. Online applications of the following nine PG (M. Tech.) programs were submitted to NBA on 30.05.2016.

SNo	Programme	Status of Previous Accreditation
1	M. Tech. in Construction Technology	Eligible for NBA Re-Accreditation (was Accredited till July 2013)
2	M. Tech. in Machine Design	Eligible for NBA Re-Accreditation (was accredited till January 2016)
3	M. Tech. in Transportation Engineering	Eligible for NBA Re-Accreditation (was accredited till January 2016)
4	M. Tech. in Environmental Engineering	Eligible for NBA Re-Accreditation (was accredited till January 2016)
5	M. Tech. in Power Electronics	Eligible for NBA Re-Accreditation (was Accredited till January 2016)
6	M. Tech. in Electronics	Not Accredited
7	M. Tech. in Digital Communication	Not Accredited
8	M. Tech. in Computer Science	Not Accredited
9	M. Tech. in Computer Network Engg.	Eligible for NBA Accreditation

The Dean (PG Studies) further informed that the concerned departments are currently in the process of preparing Self-Assessment Report (SAR) for the above PG (M. Tech.) Programs under Tier-II Format.

The Council took note of the information and ratified the actions initiated.

SECTION 3: ITEMS FOR INFORMATION/RATIFICATION/APPROVAL

3.1 GRANT OF AUTONOMY BY UNIVERSITY GRANTS COMMISSION (UGC)

The Chairman presented a brief report on the Grant of autonomous status by the University Grants Commission (UGC) for the Institution.

The same is detailed hereunder:

- The Institution was granted the status of academic autonomy for its UG Programmes by the University/Government of Karnataka / UGC for the period from 2008-09 to 2013-14. The Institution has progressively implemented Academic Autonomy by involving all stakeholders.



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- The Institution submitted application on 13.05.2014 for Grant of Extension of Autonomous Status (for both UG & PG Programmes) to BMS College of Engineering, Bengaluru 560 019. In response, the UGC Expert Committee visited the College and conducted evaluation (on 15.12.2015 & 16.12.2015) of the performance and academic attainments.
- The Joint Secretary, UGC through covering letter No.F.22-1/2016(AC) dated 09.03.2016 conveyed grant of post-facto approval for the period 2014-15 and 2015-16. The expert committee however had recommended extension of autonomy for the year 2014-15 to 2015-16 and extension of autonomous status with effect from 2016-17 to 2019-20 (for a total period of six years).
- In reference to the clarification sought, the Joint Secretary, UGC through communication dated 03.04.2016 has conveyed that an expert committee will be visiting the institution towards grant of extension of autonomous status for further period i.e. from 2016-17 to 2021-22. The visit is likely to happen during August 2016.

While on the subject, the Chairman also informed Council that, the University through its communication dated 20.10.2008 had granted academic autonomy only for the UG programs offered by this Institution. The UGC expert Committee which visited the Institution on 10.06.2010 & 11.06.2010 had also recommended for conferment of autonomous status for UG courses only. Accordingly the institution was offering its UG programmes under autonomy. However, the UGC guidelines for autonomous colleges during the XII Plan Period (2012-2017) clearly states that **“Autonomy granted to the institution is institutional and covers all the courses which are being run by the institution at the time of conferment of autonomous status. Also all courses introduced by the institution after the conferment of autonomous status shall automatically come under the purview of autonomy. Partial autonomy cannot be given to any institution”**.

The same has also been stressed upon by the Chairman and Members of the UGC Expert Committee during their visit to the institution on 15.12.2015 and 16.12.2015. Accordingly, the Institution will be offering both the UG and PG Programmes under

autonomy from the ensuing academic year i.e. 2016-17. The above information has been communicated to competent authorities (UGC/Government/VTU) for information and needful.



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The Dean (PG Studies) informed the members that Departments are making multi-pronged preparation for offering the PG programmes under Autonomous stream. The departments have designed suitable courses (scheme & syllabus) and are aptly preparing for the changeover.

After due deliberations, the Council accorded approval to offer all the UG and PG programs under autonomous stream commencing from the Academic Year 2016-17 onwards.

While on the subject, the following suggestions were also made:

- a) At PG Level, students should be empowered with problem solving techniques unlike at the UG level, where they will be encountering basic engineering problems.
- b) Training with industry would enable the students to assimilate the problems of the industry and find solutions for them.

3.2 ACADEMIC CALENDAR FOR THE YEAR 2016-17

The proposed Academic Calendar for the year 2016-17 was approved. The Council authorized the Principal to make necessary changes in the calendar if need be.

While on the subject, the Chairman informed the Council that the inaugural function to mark the commencement of academic programme for the first year BE/B. Arch. students for the AY 2016-17 will be held on Sunday, 31st July 2016 at 10.30 AM and extended a cordial invitation to all the members/invitees of the Academic Council to par-take in the inaugural function.

The approved Calendar of Events for the Academic Year 2016-17 is provided in **Annexure-II**.

3.3 NEW COURSES/HSS COURSES INTRODUCED TO ATTAIN PROGRAMME OUTCOMES OF NBA

The Member-Secretary informed the Council that the National Board of Accreditation (NBA) has incorporated few changes in its new Self-Assessment Report (SAR) for Tier-I institutes effective from January 2016. In criterion 2.1, Curriculum Design process and compliance of Curriculum for attaining Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) are being sought.



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In order to meet this requirement, several discussions/meetings on Curriculum Design and Development were held to comply the said requirement of meeting POs of NBA (particularly PO6 to PO12). During the revision, all the engineering programmes have introduced new Core/HSS courses to meet this requirement. The applicability of such courses has been vetted by a sub-committee consisting of stake-holders.

The Council noted the New Core Courses and HSS Courses introduced to attain Programme Outcomes of NBA and suggested:

- a) to ensure the Course Outcomes of these courses map to the Program Outcomes
- b) The core courses offered to UG students should cover the GATE topics in broader sense as the GATE score of a student reflects the execution level of students. Further, while introducing new topics, redundancy of topics shall be avoided.

3.4 PRESENTATION OF SCHEME FOR 5TH TO 8TH SEMESTERS BY HEADS OF UG PROGRAMMES (CV, EE, EC, TE, ML AND EI).

The Scheme for 5th to 8th semesters for CV, EE, EC, TE, ML and EI were perused and approved for implementation from the academic year 2016-17 onwards.

3.5 PRESENTATION OF SYLLABUS FOR 5TH AND 6TH SEMESTERS BY HEADS OF UG PROGRAMMES (CV, EE, EC, TE, ML AND EI).

The Academic Council approved the scheme and syllabus for the 5th and 6th semesters for CV/EE/EC/TE/ML & EI as proposed by the respective BOS with the following observations:

EE	Courses like C++ should have lab component as part of the course. The HOD shall seek the approval of the BOS in this regard.
	Before offering electives – DSP Applications to Power Engineering and Industrial Drives, the students should have been exposed to Power Electronics.
CV/ML	One elective course to be included in the 5th semester syllabus.
CV	The members emphasized the importance of practical/laboratory training in higher semesters.



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The Council further suggested to: (i) sequence the elective courses suitably (Core-subjects followed by electives) and (ii) maintain common course code for cluster electives and HSS Courses.

While on the subject, the student representatives opined that:

- a) Cluster electives be offered even if the number of registrations is less than the prescribed minimum number of registrations i.e., 20 as it determines the choice of courses for their future studies.
- b) Initiate joint projects in collaboration with foreign universities and help students who aspire to pursue higher education in foreign universities.
- c) Facilitate students for spending more quality time in industries during their internship and enable them to gain more practical experience.

The meeting ended with thanks to the chair.

Ranganath R.V.
DEAN (ACADEMIC)

[Signature]
PRINCIPAL