MINUTES OF TWELFTH ACADEMIC COUNCIL MEETING | 25.06.2016 | 11.00 AM

MINUTES OF THE TWELFTH MEETING OF THE ACADEMIC COUNCIL HELD ON 25.06.2016 AT 11.00 AM IN STUDIO-11, THIRD FLOOR, WORKSHOP COMPLEX, B M S COLLEGE OF ENGINEERING.

 MEMBER PRESENT

Dr.K.Mallikharjuna Babu	Chairman	Dr.Gowrishankar	Member
Dr.G.N.Sekhar	Member	Dr.B.Kanmani	Member
Dr.K.Rajanikanth	Member	Dr.K. Narasimha Rao	Member
Dr.Lawrence Jenkins	Member	Dr.Samita Maitra	Member
Dr.S.Seetharamu	Member	Dr.H.N.Suma	Member
Dr.R.Venkatram	Member	Dr.M.Rajyalakshmi	Member
Dr.Venkateshwaran	Member	Dr.T.S.Pranesha	Member
Dr.Madhusudhan V Atre	Member	Dr.M.S.Dharma Prakash	Member
Mr.Subhashish Pal	Member	Dr.M.Indiramma	Member
Dr.Suresh	Member	Dr.Santhosh R. Desai	Member
Dr.S.Muralidhara	Member	DR.Poornima G	Member
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.Mangala Keshava	Invitee
Dr.H.S.Guruprasad	Member	Dr.R.V.Ranganath	Member Secretary

Principal, BMSCE and Chairman, Academic Council extended a cordial welcome to all the members/invitees to the twelfth meeting of the academic council. He informed the members that the present meeting is being live streamed (http://www.collegetantra.com/Academic.html). This would allow all the stake holders to watch and listen to the meeting proceedings in real time, giving greater access to council decision making, encouraging openness and transparency.

While on the subject, the Chairman thanked the Head of the Departments for disseminating the information amongst all stakeholders. The Council concurred and welcomed the move.

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

SECTION 1: ITEMS FOR CONFIRMATION

1.1 CONFIRMATION OF THE MINUTES OF ELEVENTH ACADEMIC COUNCIL MEETING HELD ON 10.06.2016

The minutes of the eleventh meeting of Academic Council held on 10.06.2016 were confirmed by the Council **(Annexure-1)**.

SECTION 2: ITEMS FOR INFORMATION

2.1 ACTION TAKEN REPORT ON THE DECISIONS OF ELEVENTH ACADEMIC COUNCIL MEETING:

The Action taken report of the eleventh Academic Council meeting is as shown below:

Item No.	Subject	Suggestion	Compliance
2.1.1	Programme Specific Outcomes (PSOs)	Suggested the HODs (TE/IT/ML) to re-define some of the PSOs.	The Member-Secretary informed that the PSOs of TE/IT/ML have been re-defined as per the suggestions made. The same is provided in **Annexure-2.**
2.1.2	Grant of Autonomy by University Grants Commission (UGC):	The council accorded approval to offer all the UG/PG programs under Autonomous stream commencing from the academic year 2016-17 onwards.	Suggestion for implementation of Autonomy is noted. All UG/PG programs will be offered under Autonomous stream from the academic year 2016-17 onwards.

Item No.	Subject	Suggestion	Compliance
2.1.3	New Courses/HSS courses introduced to attain Programme Outcomes of NBA	To ensure the Course Outcomes of the courses map to the Program Outcomes	Noted.
		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.	The suggestion was welcomed by the HODs. It may be recalled that, this was deliberated in detail during the CDD meeting held on 23.05.2015. The same is provided in **Annexure 3**. Further, the Member Secretary submitted that all the head of the departments have verified the content of GATE topics with core courses for compliance.

The Council noted the above action taken report and approved.

2.2 PROGRAMME SPECIFIC OUTCOMES (PSOs); PRESENTATION BY HODs OF ME, IM, CS, IS, CH and BT

The Member-Secretary informed the Council that, the Program Specific Outcomes [PSOs] of ME, IM, CS, IS, CH and BT have been defined and the same are placed for consideration and approval of the Council. After detailed discussion, the Council approved the PSOs with the following remarks:

Computer Science & Engineering

a) PSOs should cover topics related to "Network and Mobile concepts"
b) PSO1 to be revised.

Information Science & Engineering

a) To re-work all the PSOs according to Association for Computing Machinery (ACM)/IEEE Computer Society latest recommendations

Industrial Engineering & Management

a) PSO3 to be revised as "Design and solve Manufacturing and allied Problems

Chemical Engineering

a) PSO1 to be revised as "Apply knowledge of basic sciences in the field of transfer processes for effective separation and purification of petrochemicals, pharmaceuticals and health care products"
b) PSO3 should be pruned in terms of number of words. The learning outcomes unique to the program should however be conformed.
c) Shall conform to the similar standards adopted by other departments while defining the PSOs

Bio-Technology

a) PSO1 to be revised as "Apply knowledge of basic sciences and biotechnological techniques to manipulate living organisms"
b) PSO3 to be revised as "Generate, analyze and interpret biological data using Insilco approaches"

2.3 REPORT ON GLOBAL INITIATIVE FOR ACADEMIC NETWORKS (GIAN)

Dean (Student Affairs) who is the Local Institution Co-ordinator for GIAN informed the Council that GIAN is an initiative of MHRD, GOI and has evolved a scheme which includes participation of foreign faculty in institutes as Distinguished / Adjunct / Visiting faculty / Professors of practice, to participate and delivering courses. The objective of GIAN is to provide opportunity to students to seek knowledge and experience from reputed international faculty.

GIAN encourages conduct of a course/program to be offered as a certificate or a credited course for a duration of 1-2 weeks. The MHRD will bear the expenses pertaining to honorarium, travel of the foreign experts and the host institution would bear all the costs and expenses in connection with the logistics which include local transport, accommodation, hospitality and remuneration for the local faculty.

A brief report was presented on the proposed activities in the institute (BMSCE) under GIAN **(Annexure-4)**. The Council was informed that out of the five proposals submitted by the institute, as on the date, the proposal submitted by the department of Chemical Engineering received approval.

The head of Chemical Engineering informed the members that the program titled **"Study of Various effects of heavy metals present in borewell water on human system"**, is scheduled to be held during November, 2016.

The Council appreciated the activities of the institute.

SECTION 3: ITEMS FOR INFORMATION/RATIFICATION/APPROVAL

3.1 PRESENTATION OF SCHEME FOR 5TH TO 8TH SEMESTERS BY HEADS OF UG PROGRAMMES (ME, IM, CS, IS, CH AND BT).

The Scheme for 5th to 8th semesters for ME, IM, CS, IS, CH & BT were perused and approved for implementation from the academic year 2016-17 **(Annexure-5)**.

3.2 PRESENTATION OF SYLLABUS FOR 5TH AND 6TH SEMESTERS BY HEADS OF UG PROGRAMMES (ME, IM, CS, IS, CH AND BT).

The Academic Council approved the syllabus for the 5th and 6th semesters of ME, IM, CS, IS, CH and BT as proposed by the respective BOS with the following general/programme specific observations:

GENERAL OBSERVATIONS:

a) The Maximum credits for a course in engineering programs should be limited to 6.

b) Maximum credits for Major project work (including Phase-I and Phase-II) should be limited to 14.

c) The number of credits prescribed for comprehensive courses in a semester with self-study component (2 credits) shall be adhered.

d) The Courses which contribute to the attainment of PSOs should be stressed upon.

e) A course on Project Management and Finance shall be offered as core-course to address the Mandatory POs as prescribed by NBA.

f) All the programmes shall have a uniform pattern of describing the subject areas in the scheme of various semesters. A typical order of preference is as shown below:

SNo.	Subject Area
1	**Basic Sciences (BS)**
2	**Engineering Sciences (ES)**
3	**Professional Core (PC)**
4	**Professional Electives (PE)**
	a) Cluster Electives
	b) Departmental Electives
	c) Institutional Electives (IE)
5	**Humanities and Social Sciences (HSS)**
6	**Project Work (PW)**

PROGRAMME SPECIFIC OBSERVATIONS:

Mechanical Engineering (ME)

a) The number of credits prescribed for comprehensive courses in a semester with self-study component (2 credits) shall be adhered.

b) Any course shall not have fraction number of credits.

Industrial Engineering & Management (IM)

a) The Department shall adhere to the course code (IM) prescribed by the University (VTU)

b) For any course, the Credit Hours/week and contact Hrs/Week to be corresponding.

Computer Science & Engineering (CS)

a) Data Analytics and Big Data can be introduced as elective.

b) Advanced computing tools may be offered through MOOCs.

c) The Council felt that there is a need to review and evaluate the 8th semester scheme. A Sub-Committee comprising of the following members was constituted to examine and recommend the 8th Semester pertaining to Computer Science & Engineering.

1	Dr. K. Rajanikanth	Chairman
2	Dean Student Affairs	Member
3	Dean-Academics	Member
4	HOD-Computer Science	Member
5	HOD-Information Science	Member
6	Associate Dean-CS & IS	Convener

Information Science & Engineering (IS)

The Council felt that the course syllabi and course credits allotted for some of the courses need re-visiting. The Council opined that the Committee constituted to recommend the scheme and syllabus pertaining to CS shall also consider the Course Syllabi of IS.

Chemical Engineering (CH)

The elective (6th Semester) "Applied Mathematics in Chemical Engineering" should be re-named as "Numerical methods in Chemical Engineering". The Council also suggested that the said elective may be considered as a core course.

Bio-Technology (BT)

The core course project Management to be offered as Project Management and Finance including finance aspects.

SECTION 4: ANY OTHER SUBJECT WITH PERMISSION OF THE CHAIR

4.1 The HOD-Architecture submitted following for consideration of the Council:

4.1.1 VACATION ASSIGNMENT / STUDY TOUR: PERMISSION FOR STUDENTS TO ATTEND BUT REGISTER FOR THE COURSE IN SUBSEQUENT YEAR

The curriculum of B. Arch. Programme consists of Vacation Assignment / Study Tour as a course in Semester-III and Semester-V.

The Study Tour consists of two components against which the CIE marks are provided:

- Accompanying the group on the study tour and study of monuments / places, measure drawing and physical experience of the place as per the itinerary, and,
- A Report on the study tour to be submitted to the respective faculty member.

Due to paucity of time to conduct the study tour during a regular semester, it has been a practice to conduct these courses during the period between end of the Even Semester and start of Fast Track Semester.

Further, it so happens that some of the students may not become eligible for vertical progression for various reasons, and hence cannot register the respective Study Tour course in the subsequent semester. However, they would have completed the first component of the Study Tour in vacation time.

Hence it is proposed that when they become eligible for the corresponding semester, they be allowed to claim the CIE marks for the Study Tour course by submitting the Report (which is the second component of the Study Tour course) to the respective faculty member of the Study Tour which the student has accompanied. This will help the student in not spending money on accompanying the study tour again, when he/she becomes eligible for the same.

After due deliberations, the Council approved the proposal.

4.1.2 ARCHITECTURAL DESIGN COURSES EQUIVALENCE

The Architectural Design courses, in B.Arch., have been modified from 2012 onwards with the inclusion of Self-study component. This effected a change in the Course Code of the Architectural Design courses from Semester-III to Semester-VIII. However, there is no change in the number of credits.

The Council took note of the same and approved.

4.1.3 ELECTIVE COURSES EQUIVALENCE

The students choose from several Elective courses, which are offered in Semester-VII & VIII respectively. All the elective courses have the same number of credits. Some students who have chosen a particular Elective course have been unable to clear in that particular semester. Later, in the next year, during re-registration, the student opts for a different elective course for various reasons. In such cases, it is recommended that any elective course offered under 09AT7IEELE & 09AT8IEELE respective are deemed equivalent.

The Council took note of the same and approved.

4.2   The Chairman informed the Head of the Departments to give more impetus to tutorial aspects as this would help the students to gain a deep understanding of the subject matter in their discipline.

The Chairman also wished that necessary academic and administrative support should be given to take forward good student projects for future especially unique multi-disciplinary projects.

The meeting ended with thanks to the chair.

DEAN (ACADEMIC)   PRINCIPAL