



"In Pursuit of Global Competitiveness"
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GECA/ ACAD/XXIIIAC/2021/ 1902

Date: 7/7/2021

Minutes of Meeting of XXIIIrd Academic Council

Date: 23rd June 2021 Time: 12.00 p.m.

Mode of Meeting: Online on WebEx

Government College of Engineering,
Aurangabad

Chairman: Dr. P. B. Murnal, Principal, Government College of Engineering, Aurangabad

Member Secretary: Dr. A. A. Bhole, Dean (Academics)

Sub: XXIIIrd Meeting of Academic Council, dated 23/06/2021

The meeting of the Academic Council was scheduled on 23/06/2021. It was held online on WebEx at 12.00 p.m. Hon. Chairman, members and invitees of Academic Council as below attended the meeting.

Sr.	Name	Designation in AC
1.	Principal	Chairman
2.	Head Civil Engineering	Member
3.	Head Mechanical Engineering	Member
4.	Head Electrical Engineering	Member
5.	Head Electronics & Telecommunication	Member
6.	Head Computer Science & Engineering	Member
7.	Head Applied Mechanics	Member
8.	Head MCA	Member
9.	Head Information Technology	Member
10.	Head Physics	Member
11.	Head Chemistry	Member
12.	Head Mathematics	Member
13.	Head Workshop	Member
14.	Dean Quality Assurance	Member
15.	Dean Student Activities	Member
16.	Dean Research and Development	Member
17.	TEQIP Coordinator	Member
18.	Controller of Examinations	Member
19.	Training and Placement Officer	Member (Representative of teaching staff)
20.	Dr. S. M. Kabra	Member (Representative of teaching staff)
21.	Dr. Gopalkrishna Joshi, Professor & Director,	Member Nominated by Board of

	Center for Engineering Education & Research , KLE Technological University, Hubali	Management
22.	Dr. O.R. Jaiswal, Professor, Applied Mechanics , VNIT , Nagpur	Member Nominated by Board of Management
23.	Mr. Brajesh Kumar, M.D. Walter Tools, Pune	Member Nominated by Board of Management
24.	Mr. Mukund Kulkarni, Expert Global Solutions Pvt. Ltd. Aurangabad	Member (University Nominee)
25.	Dr. K. M. Jadhav, Department of Physics, Dr. BAMU, Aurangabad	Member (University Nominee)
26.	Dr. Sunil Punjabi	Dean Academics, , Ujjain College of Engineering, Ujjain, Invitee
27.	Dr. R. V. Shetkar	Invitee Member
28.	Prof. R. P. Chaudhari	Invitee Member
29.	Prof. S. P. Atipamalu	Invitee Member
30.	Prof. C. M. Gaikwad	Invitee Member
31.	Dr. A. A. Bhole, Dean (Academics)	Member Secretary

Leave of absence was granted to following members.

01.	Dean Industry Institute Interaction & Alumni	Member
02.	Dr. P. S. Wakte, Prof. & Head, Dept. of Chemical Technology, Dr. BAMU, Aurangabad	Member (University Nominee)
03.	Dr. Shri. Krishna Yogi, MD, Brose India	Member Nominated by Board of Management
04.	Mr. Jayant Yawalkar, Bajaj Auto. Ltd. Aurangabad	Member Nominated by Board of Management
05.	Dr. Nitin Seth, Prof. IIFT New Delhi	Member Nominated by Board of Management

The Chairman Dr. P. B. Murnal initiated the meeting by welcoming honorable members and Invitees of Academic council & declared the meeting **open** and directed Dr. A. A. Bhole, Dean (Academics) to conduct the proceeding as per agenda.

Following transactions were carried out and noted by the Academic Council.

Item 23.1: Confirmation of minutes of XXIInd meeting & action taken report

The minutes and action taken report were presented by the member secretary. Hon. Chairman and members of Academic Council confirmed and approved the minutes and action taken report of XXIInd meeting.

Main agenda of XXIIIrd Academic Council:

Agenda	Resolution
Item 23.2.1: Approval to the New CBCS Curriculum structure of 160 credits	<u>Resolution No. AC/XXIII/23.2.1</u>
Revision of Curriculum was proposed during 2020 – 21, however due to pandemic situation the proposed curriculum is implemented from 2021 – 2022. The revision of the curriculum	Approved.

tries to incorporate the AICTE guidelines. A committee was formed to prepare guidelines for the revision of curriculum. The guidelines were fine tuned through series of meetings with Board of Studies (BOS) chairpersons and industrial experts. All the BOS chairpersons were directed to revise the curriculum as per the guidelines. The curriculum structure of each program was formulated through meetings of various BOS. The BOS also involved industrial and academic experts in the revision of curriculum. The feedback of students and Alumni were also taken.

The proposed new curriculum has the following salient features:

1. Curriculum structure has been revised from a total of 176 to 160 credits as per the AICTE recommendations.
2. The course categories have been divided into following types:

S.No.	Category	Remarks
1	Humanities and Social Sciences including Management courses	Credit courses
2	Basic Science courses	Credit courses
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer <i>etc.</i>	Credit courses
4	Professional core courses	Credit courses
5	Professional Elective courses relevant to chosen specialization/branch	Credit courses
6	Open subjects – Electives from other technical and /or emerging subjects	Credit courses
7	Project work, seminar and internship/training in industry or elsewhere	Credit courses
8	Mandatory Courses (Induction training, Environmental Studies)	Non-credit courses
	Total	160

3. Total number of credits for first two semesters is common to all programmes.

4. One semester long internship either at Industry/ Research institute at VIIIth semester.

5. The evaluation pattern has been divided into In Semester Evaluation (ISE) and End Semester evaluation (ESE). The ISE normally consists of ISE 1, ISE 2, and ISE 3 out of which ISE 2 will be a class test of 15 marks, ISE 1 and ISE 3 will be decided by the concerned BOS as per the requirement of the particular course. It may consist of evaluation methods like class tests, assignments, quizzes, field work, field visits, presentations, course projects, experiential learning *etc.* The modes of evaluation of ISE 1 and ISE 3 will be specifically indicated in the curriculum.

6. A compulsory industrial training of minimum 4 weeks is

<p>incorporated during vacation period of second year/third year.</p> <p>7. Non credit activity based (AB) personality development aspects have been incorporated as a mandatory requirement in the curriculum.</p> <p>Following Structure has been placed for approval:</p> <ol style="list-style-type: none"> a. FY B.Tech. structure b. Structure of Civil Engineering Department c. Structure of Electrical Engineering Department d. Structure of Mechanical Engineering Department e. Structure of Electronics & Telecommunication Engineering Department f. Structure of Computer Science and Engineering Department g. Structure of Information Technology Department 	
<p>Proposals from Boards of Studies for first year curriculum</p> <p>Item 23.2.2: Approval to detailed structure & syllabus of F.Y. B. Tech.</p> <p>The structure & syllabus of all first year B.Tech. Courses as approved in concerned BoS are placed for approval. (Annexure 23.2.2a to 23.2.2g)</p>	<p><u>Resolution No. AC/XXIII/23.2.2</u></p> <p>Approved with typographic corrections.</p>
<p>Item 23.2.3: Proposal for transition of old CBCS scheme students</p> <p>It has been proposed to revise the whole curriculum from 2021-22 reducing the overall credit requirements from 176 to 160. However it is necessary to ensure the smooth transition of students who are in the old curriculum due to failures/term cancellations/year loss etc. The failed students will be able to give the examinations as per the old syllabus either by attending the examination of equivalent new course or a paper can be set for such students. Further for other cases where the student is required to be taught, he can attend the classes of equivalent new course if available. But if there is no equivalent course available in the new curriculum, it may be required to run a parallel batch till such students clear their courses. This will put a lot of burden on the academic administration in view of low strength of faculty members and many senior faculty are due for retirement in the coming few years. Already the institute is running a parallel batch of earlier non-CBCS students. To ensure smooth transition with minimum administrative burden following alternatives may be possible.</p> <ol style="list-style-type: none"> 1. Integrate old students in the new curriculum while keeping their total credits as 176. <p>In such a scenario the students will undergo courses available in the new course. The BoS will identify courses in the new curriculum which are to be undergone in place of old courses (not necessarily equivalent) in the</p>	<p><u>Resolution No. AC/XXIII /23.2.3</u></p> <p>In view of objection from members, comments from external members & subsequent meeting of internal members, the Resolution No. AC/XXIII /23.2.3 in draft minutes is modified as, "It is resolved that option 1 is to be adopted for transition of old CBCS students from 2021-22 onwards."</p>

<p>respective odd and even semesters so that the credit requirements in the respective categories of the old curriculum are satisfied. In the extreme case of an appropriate course not available in the new curriculum, BoS can identify a MOOCs course.</p> <p>2. Give a full carry-over to the old students In such a scenario the students will be carried over to the higher classes irrespective of their eligibility of required credits so that all the students are taught without the necessity of running a parallel batch. However they will be eligible to give the ESE as and when they satisfy the criteria of credit requirements. In spite of this few students may remain, which can be considered on case to case basis.</p> <p>The academic council is requested to approve one of the above proposals.</p>	
<p>Item 23.2.4: Equivalence to first year courses of old CBCS scheme</p> <p>Equivalence to first year courses of old CBCS scheme is placed for approval. (Annexure 23.2.4)</p>	<p><u>Resolution No. AC/XXIII /23.2.4</u></p> <p>Approved.</p>
<p>Proposal from Mechanical Engineering Department</p> <p>Item 23.2.5: Approval to the tentative structure of SY, TY and final year B. Tech. (Mechanical Engineering) Structure of of second year to final year Mechanical Engineering as approved in BoS is put before the academic council for approval. (Annexure 23.2.5)</p>	<p><u>Resolution No. AC/XXIII /23.2.5</u></p> <p>Noted. The concerned BoS is directed to incorporate the overall suggestions given by the Hon. Members w.r.t. broad aspects like interdisciplinary learning, methods of evaluation, formative assessment, higher order thinking, solution to complex problem etc.</p>
<p>Item 23.2.6: Approval of PG Examiner Panel for M.Tech. Production List of PG examiner panel for M.Tech. Production is put for approval. (Annexure 23.2.6)</p>	<p><u>Resolution No. AC/XXIII /23.2.6</u></p> <p>Noted. Academic council suggested preparing the guidelines for appointing the external examiner for PG dissertation & place before council for approval.</p>
<p>Proposal from Electrical Engineering Department</p>	<p><u>Resolution No. AC/XXIII /23.2.7</u></p>

<p>Item 23.2.7: Post Facto approval of student Daksha Jindani request to appear in Second and fourth semester in Academic Year 2020-21 (Annexure 23.2.7)</p>	<p>Approved.</p>
<p>Item 23.2.8: Approval to the tentative structure of SY, TY and final year B. Tech. (Electrical Engineering)</p> <p>Structure of of second year to final year Electrical Engineering as approved in BoS is put before the academic council for approval. (Annexure 23.2.8)</p>	<p><u>Resolution No. AC/XXIII /23.2.8</u></p> <p>Noted. The concerned BoS is directed to incorporate the overall suggestions given by the Hon. Members w.r.t. broad aspects like interdisciplinary learning, methods of evaluation, formative assessment, higher order thinking, solution to complex problem etc.</p>
<p>Item 23.2.9: Approval of PG Examiner Panel for M.Tech. List of PG examiner panel for M.Tech. is put for approval. (Annexure 23.2.9)</p>	<p><u>Resolution No. AC/XXIII /23.2.9</u></p> <p>Noted. Academic council suggested preparing the guidelines for appointing the external examiner for PG dissertation & place before council for approval.</p>
<p>Proposal from Electronics Department</p> <p>Item 23.2.10: Approval to the tentative structure of SY, TY and final year B. Tech. (Electronics & Telecommunication Engineering) Structure of of second year to final year Electronics & Telecommunication Engineering as approved in BoS is put before the academic council for approval. (Annexure 23.2.10)</p>	<p><u>Resolution No. AC/XXIII 23.2.10</u></p> <p>Noted. The concerned BoS is directed to incorporate the overall suggestions given by the Hon. Members w.r.t. broad aspects like interdisciplinary learning, methods of evaluation, formative assessment, higher order thinking, solution to complex problem etc.</p>
<p>Proposal from Computer Science & Engineering Department</p> <p>Item 23.2.11: Approval to the tentative structure of SY, TY and final year B. Tech. (Computer Science & Engineering) Structure of of second year to final year Computer Science & Engineering as approved in BoS is put before the academic</p>	<p><u>Resolution No. AC/XXIII /23.2.11</u></p> <p>Noted. The concerned BoS is directed to incorporate the overall</p>

<p>council for approval. (Annexure 23.2.11)</p>	<p>suggestions given by the Hon. Members w.r.t. broad aspects like interdisciplinary learning, methods of evaluation, formative assessment, higher order thinking, solution to complex problem etc.</p>
<p>Proposal from Information Technology Department</p> <p>Item 23.2.12: Approval to the tentative structure of SY, TY and final year B. Tech. (Information Technology) Considering the rapid changes in the field of Information Technology, tentative curriculum structure of SY, TY and Final Year is designed. It is also discussed in the BoS that changes may be allowed in some courses and course titles. Curriculum structures of SY, TY and Final Year are put for approval. (Annexure 23.2.12)</p>	<p><u>Resolution No. AC/XXIII /23.2.12</u></p> <p>Noted. The concerned BoS is directed to incorporate the overall suggestions given by the Hon. Members w.r.t. broad aspects like interdisciplinary learning, methods of evaluation, formative assessment, higher order thinking, solution to complex problem etc.</p>
<p>Proposal from Civil Engineering Department</p> <p>Item 23.2.13: Approval to the tentative structure of SY, TY and final year B. Tech. (Civil Engineering) Structure of of second year to final year Civil Engineering as approved in BoS is put before the academic council for approval. (Annexure 23.2.13)</p>	<p><u>Resolution No. AC/XXIII /23.2.13</u></p> <p>Noted. The concerned BoS is directed to incorporate the overall suggestions given by the Hon. Members w.r.t. broad aspects like interdisciplinary learning, methods of evaluation, formative assessment, higher order thinking, solution to complex problem etc.</p>
<p>Proposal from MCA Department</p> <p>Item 23.2.14: Approval to Minor Change in the structure</p> <p>Following minor changes in the structure as approved in BoS are put before the academic council for approval. (Annexure 23.2.15) In the structure approved in the last academic council, for the Course MC1121, Seminar, TW-25 marks & ESE 25 marks was shown. Instead of ESE, there will be internal assessment (TA/TW) of 50 marks for this course. The course MC 2104, Quality Assurance will be renamed as</p>	<p><u>Resolution No. AC/XXIII /23.2.14</u></p> <p>Approved.</p>

Software Quality Assurance.																	
<p>Item 23.2.15: Approval to Curriculum of SYMCA-I and SYMCA-II</p> <p>Curriculum of SYMCA-I and SYMCA-II as approved in BoS are put before the academic council for approval. (Annexure 23.2.15)</p>	<p><u>Resolution No. AC/XXIII /23.2.15</u></p> <p>Approved.</p>																
<p>Item 23.2.16: Approval of Credit Transfer of NPTEL Course for SYMCA students</p> <p>The following students have successfully completed online MOOC course of NPTEL “The joy of python programming”. To encourage the students for registering MOOC courses, the institute has proposed the policy of transfer of credit for the successful students. The students are eligible for transfer of credits to the course MC2019 – Python Programming of SYMCA Semester IV. The proposal is put for approval. The details of the students are as follows:</p> <table border="1" data-bbox="196 954 1042 1099"> <thead> <tr> <th>Sr. No.</th> <th>ID</th> <th>Name</th> <th>% Marks Scored</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MC19F14F024</td> <td>Suvidhi Jain</td> <td>70</td> </tr> <tr> <td>2</td> <td>MC19F14F052</td> <td>Sakshi Shah</td> <td>70</td> </tr> <tr> <td>3</td> <td>MC19F14F036</td> <td>Vivek Mourya</td> <td>74</td> </tr> </tbody> </table>	Sr. No.	ID	Name	% Marks Scored	1	MC19F14F024	Suvidhi Jain	70	2	MC19F14F052	Sakshi Shah	70	3	MC19F14F036	Vivek Mourya	74	<p><u>Resolution No. AC/XXIII /23.2.16</u></p> <p>Approved.</p>
Sr. No.	ID	Name	% Marks Scored														
1	MC19F14F024	Suvidhi Jain	70														
2	MC19F14F052	Sakshi Shah	70														
3	MC19F14F036	Vivek Mourya	74														
<p>Item 23.3: Any other item with the permission of chair Amendments in the Rules & Regulations of MCA (PG)</p> <p>The Academic Rules and Regulations Regarding Curriculum as per Choice Based Credit System for three years Post Graduate Programme in Master of Computer Applications (MCA) are in force. AICTE has changed the duration of the MCA programme from 3 years to 2 years from academic Year 2020-2021 onwards. In view of this the following amendments are suggested to the existing rules and regulations. Rest all existing rules and regulations will be in force. The amendment is to be implemented from academic Year 2020-2021 onwards.</p>	<p><u>Resolution No. AC/XXIII /23.3</u></p> <p>Approved with correction in Rule 3.1 as, <i>The normal duration of the course leading to M. Tech. degree will be FOUR semesters for full time and SIX semesters for M. Tech. Part Time and FOUR semesters for M.C.A. Full time.</i></p>																

Mr. Mukund Kulkarni & Dr. Gopalkrishna Joshi appreciated the structured work done by BoS members to define and document the curriculum.

Following suggestions were given by the Hon. Members:

Dr. Gopalkrishna Joshi suggested increasing the duration of Industrial training from 6 weeks to 8 weeks. He emphasized that interdisciplinary approach of solving complex problems involving higher order thinking needs to be incorporated in the curriculum delivery. The

formative assessment used to be given more emphasis in ISE components. He suggested incorporating a course on cyber security/ digital skills.

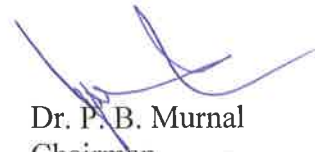
Mr. Mukund Kulkarni suggested preparing guidelines for alternate methods of ISE evaluation to be adopted in various courses. Wherever applicable the references can include websites of prominent companies/ organisations / institutions. He voluntarily agreed to set up a mechanism for evaluating/ grading the activities based personality development aspects. He expressed that facility of credit transfer may be given to international certification courses of well known institutes as well as industries. Guidelines regarding the appointment of external examiners of PG dissertation may be prepared and circulated.

Dr. O. R. Jaiswal suggested that for non credit activities/ courses multiple grading can be adopted to reflect the performance of a student.

The meeting ended with vote of thanks by Prof. Chitra Gaikwad, Associate Dean (Academics).



Dr. A. A. Bhole
Member Secretary
Academic Council
Government College of Engineering
Aurangabad



Dr. P. B. Murnal
Chairman
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