

"In Pursuit of Global Competitiveness"



GOVERNMENT COLLEGE OF ENGINEERING AURANGABAD
Station Road, Osmanpura, Aurangabad - 431 005 (Maharashtra State), INDIA

(An Autonomous Institute of Government of Maharashtra)

☎ (0240) 2366101, 2366110, 2366111

Fax – (0240) 2332835

E-Mail – principalgeca@yahoo.com

<http://www.geca.ac.in>

GECA/ ACAD/XXIAC/2020 / 1014

Date: 29/02/2020

Minutes of Meeting of XXIth Academic Council

Date: 12th February 2020 **Time:** 11.30 a.m.

Venue: Electrical Seminar Hall,
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: XXIth Meeting of Academic Council, dated 12/02/2020

The meeting of the Academic Council was scheduled on 12/02/2020. It was held at Electrical Seminar Hall, Government College of Engineering, Aurangabad at 11.30 a.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 Applied Mechanics	Member
5.	Head Electrical Engineering	Member
6.	Head Electronics & Telecommunication	Member
7.	Head Computer Science & Engineering	Member
8.	Head MCA	Member
9.	Head Information Technology	Member
10.	Head Physics	Member
11.	Head Mathematics	Member
12.	Dean Quality Assurance	Member
13.	Dean Student Activities	Member
14.	Dean Industry Institute Interaction & Alumni	Member
15.	TEQIP Coordinator	Member
16.	Controller of Examinations	Member
17.	Prof. S. R. Hirekhan	Member (Representative of teaching staff)
18.	Dr. P. C. Shetiye	Member (Representative of teaching staff)
19.	Dr. S. M. Kabra	Member (Representative of teaching staff)
20.	Dr. Gopalkrishna Joshi, Professor & Director, Center for Engineering Education & Research, KLE	Member Nominated by Board of Management

	Technological University, Hubali	
21.	Dr. O.R. Jaiswal, Professor, Applied Mechanics , VNIT , Nagpur	Member Nominated by Board of Management
22.	Mr. Jayant Yawalkar, Bajaj Auto. Ltd. Aurangabad	Member Nominated by Board of Management
23.	Mr. Mukund Kulkarni, Expert Global Solutions Pvt. Ltd. Aurangabad	Member (University Nominee)
24.	Dr. K. M. Jadhav, Department of Physics, Dr. BAMU, Aurangabad	Member (University Nominee)
25.	Dr. Raghvendra Singh, Twinning Coordinator, Ujjain College of Engineering, Ujjain	Invitee, Ujjain College of Engineering, Ujjain
26.	Dr. A. S. Khan, HOD, Civil Engineering	Invitee, Ujjain College of Engineering, Ujjain
27.	Dr. V. K. Sukhwani	Invitee, Ujjain College of Engineering, Ujjain
28.	Prof. R.P. Chaudhari	Invitee Member
29.	Prof. S. P. Atipamalu	Invitee Member
30.	Prof. A. N. Ghule	Invitee Member
31.	Dr. A. A. Bhole, Dean (Academics)	Member Secretary

Leave of absence was granted to following members.

01.	Dean Research & Development	Member
02.	Mr. Brijesh Kumar, M.D. Walter Tools, Pune	Member Nominated by Board of Management
03.	Dr. Shri Krishnayogi, MD, Brose India	Member Nominated by Board of Management
04.	Dr. Nitin Seth, Prof. IIFT New Delhi	Member Nominated by Board of Management
05.	Dr. P. S. Wakte, Prof. & Head, Dept. of Chemical Technology, Dr. BAMU, Aurangabad	Member (University Nominee)
06.	Prof. Y. K. Joshi, HOD, Computer Science & Engineering	Invitee, Ujjain College of Engineering, Ujjain
07.	Dr. Neha Sharma, HOD, Electronics and Communication Engineering	Invitee, Ujjain College of Engineering, Ujjain
08.	Dr. Vijay Hinge, HOD, Physics	Invitee, Ujjain College of Engineering, Ujjain
09.	Dr. A. K. Mishra, HOD, Chemistry	Invitee, Ujjain College of Engineering, Ujjain
10.	Prof. Deepti Sharma, HOD, Mathematics	Invitee, Ujjain College of Engineering, Ujjain
11.	Dr. A. K. Dwivedi, HOD, Chemical Engineering	Invitee, Ujjain College of Engineering, Ujjain
12.	Dr. B. L. Gupta. HOD, Electrical Engineering	Invitee, Ujjain College of Engineering, Ujjain

Following members were absent.

01.	Head Workshop	Member
02.	Head Chemistry	Member
03.	Dr. R. N. Ladhwe	Member (Representative of teaching staff)

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 21.1: Confirmation of minutes of XXth meeting & action taken report

Agenda	Resolution	Action taken
<p><u>Item 20.2.1: Amendment in the rule A5.5 for Full Time CBCS UG programmes</u></p> <p>As per 5.5 rule for Full Time UG programmes, <i>A Full Time student can register for a minimum of 14 credits and maximum of 30 credits per semester. However the minimum / maximum credit limit can be relaxed by the Principal and Dean Academics on the recommendation of BoS under extremely exceptional circumstances.</i></p> <p>The rule 5.5 is amended for Full Time UG programmes as, <i>'A Full Time student can register for a minimum of 14 credits and maximum of 30 credits per semester. However the minimum / maximum credit limit can be relaxed by the Principal and Dean Academics on the recommendation of BoS under extremely exceptional circumstances. In case of Final Year students the minimum credits may be less than 14, if the remaining credits to be earned, to complete the degree programme, are less than 14.'</i></p>	<p><u>Resolution No. AC/XX/20.2.1</u></p> <p>Approved.</p>	<p>Amended with minor typographic Corrections in earlier CBCS UG rules.</p>
<p><u>Item 20.2.2: Teaching Learning provision for Non-CBCS and Re-admitted/ Re-Registered CBCS students</u></p> <p>a) If a student of CBCS scheme, is failed/detained in few/all courses and not eligible to get admission in the higher class, he/she may be permitted to re-register for failed/detained courses or alternatively take re-admission in the class by paying full fees of the year. His/her past performance of the re-admitted class/ re-registered course shall be cancelled.</p> <p>b) If a student of CBCS scheme, is failed/detained</p>	<p><u>Resolution No. AC/XX/20.2.2a</u></p> <p>Approved. In case of readmission, full fees need to be paid, however the admissible fee concession proposal can be forwarded to the appropriate authority for approval, in which</p>	<p>Implemented</p>

<p>in one or more courses and eligible to get admission in the higher class and re-registered for failed/detained courses</p> <p>As the student is having regular class Time-Table to be followed he/she shall be permitted to complete re-registered courses in the following modes:</p> <p>i) The department shall arrange a crash course of not more than 20 Hrs for theory course and conduct laboratory courses as per curriculum. The faculty member shall be eligible for remuneration as per prevailing norms.</p> <p>ii) Alternatively the department shall recognize NPTEL/ Swayam/ Other MOOC courses equivalent to a theory courses, get approved through the concern Board of Studies, and permit the student to undergo the course through this mode. The evaluation of such courses shall be done as per institute curriculum by concern course coordinators. Laboratory courses shall be conducted as per curriculum.</p> <p>c) If a student of Non- CBCS scheme is admitted in a class, the department may recognize NPTEL/Swayam/ Other MOOC courses equivalent a theory courses, get approved through the concern Board of Studies and permit the student to undergo the course through this mode. The evaluation of such courses shall be done as per institute curriculum by concern course coordinators. Laboratory courses shall be conducted as per curriculum.</p>	<p>case the fees will be refunded if approved.</p> <p><u>Resolution No. AC/XX/20.2.2b</u></p> <p>Approved.</p> <p><u>Resolution No. AC/XX/20.2.2c</u></p> <p>Approved.</p>	<p>Implemented</p> <p>Implemented.</p>
<p><u>Item 20.2.3: Provision for Improvement Class Test for failed students & ineligible to take admission to higher class</u></p> <p>If a UG/PG student of CBCS/Non-CBCS schemes is failed in a theory course and <i>not eligible to get admission</i> in the higher class or complete the degree programme, he/she may be permitted to appear for Improvement Class Test as per curriculum after RE-ESE. His/her earlier Class Test performance shall be cancelled.</p>	<p><u>Resolution No. AC/XX/20.2.3</u></p> <p>During discussions it was decided to consider the proposal of improvement class test for all the unsuccessful students irrespective of his/her eligibility to take admission in higher class. It is resolved to permit unsuccessful students to opt for improvement of class test I or/and</p>	<p>Implemented.</p>

	<p>class test II in the subsequent semester when the corresponding course is running, along with the regular students. He/She is required to give ESE for declaration of his/her results along with the improved class test marks. The recent performance of a class test shall be considered for evaluation.</p>	
<p><u>Item 20.2.4: Proposal for Honors and Minors certification scheme</u></p> <p><i>Honors Scheme:</i> This is to acquire advanced knowledge of own discipline with specialization. Student from the same department is eligible to apply for Honors scheme. Host department shall design detailed structure and syllabi, separately (Semester viz. 5-6-7-8th). Selection criteria will be decided by the host department.</p> <p><i>Minors Scheme:</i> Student from any department is eligible to apply for Minor Scheme. This will encourage interdisciplinary projects and will help to decide a carrier path of his/her interest. Host department shall design detailed structure and syllabi, separately (Semester viz. 5-6-7-8th). Selection & eligibility criteria will be decided by the host department.</p>	<p><u>Resolution No. AC/XX/20.2.4</u></p> <p>Approved.</p>	<p>Yet to be implemented.</p>
<p>Proposals from Electronics Department</p> <p>Item 20.2.5: Modifications in structure, course curriculum, revision of CO and CO-PO/PSO mapping for UG courses</p> <p>Curriculum of some UG courses is modified within 20% of permissible limits and replaced with same course code in structure with no requirement of any equivalence. The Core courses ET:3003 Microprocessor and Microcontroller & ET:3004</p>	<p><u>Resolution No. AC/XX/20.2.5</u></p> <p>Approved.</p>	<p>Implemented.</p>

<p>Lab: Microprocessor and Microcontroller are thoroughly revised and are replaced in structure by their equivalent courses with the same name but changed course code to ET:3103 & ET:3104 respectively. Professional courses ET:4051 Robotics & ET:4052 Lab Robotics are revised and replaced in structure by their equivalent courses with same name but changed code to ET:4151 & ET:4152 respectively. Small projects are included as a part of Teachers' Assessment component of curriculum of Microprocessor & Microcontroller, Robotics course. COs of the courses are revised and the CO-PO/PSO mapping is also changed accordingly. The revised of CO and CO-PO/PSO mapping of UG courses is prepared. This is approved by the BoS. It is submitted herewith for the approval of Academic Council. (Annexure 20.2.5a to 20.2.5d)</p>		
<p>Item 20.2.6: Modification in PG curriculum and formation of PEO and PO</p> <p>PEO and PO are prepared for PG programme in the department, M. Tech. (Electronics & Telecommunication). Few modifications in curriculum are carried out. Elective course ET51102 Robotics is revised and replaced in structure by its equivalent course with same name but changed code to ET51112. Updated curriculum and PEO, PO is approved by the BoS. It is submitted herewith for the approval of Academic Council. (Annexure 20.2.6)</p>	<p><u>Resolution No. AC/XX/20.2.6</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.7: Approval of CO and PO attainment methods</p> <p>Board of studies has discussed the Methodology for computation of attainment level Course Outcomes and Program Outcomes / Program Specific Outcomes attainment. BoS has approved this methodology. It is submitted herewith for the approval of Academic Council. (Annexure 20.2.7)</p>	<p><u>Resolution No. AC/XX/20.2.7</u></p> <p>Co-Po attainment method is approved. The method can be adopted by all the departments.</p>	<p>Implemented</p>
<p>Item 20.2.8: Threshold and expected levels of COs and POs/PSOs</p> <p>The threshold and expected levels of COs as approved by the Board of Studies, as per the policy decided in proposal 3, are fixed for the batches during the years 2013-17, 2014-18 and 2015-19. The board has planned the expected levels of POs/PSOs also. These threshold and expected levels are approved by the BoS</p>	<p><u>Resolution No. AC/XX/20.2.8</u></p> <p>Approved.</p>	<p>Implemented.</p>

and herewith submitted for approval of Academic Council. (Annexure 20.2.8)		
<p>Proposals from Applied Science Department</p> <p>Item 20.2.9: Change in the syllabus contents of Open Elective – MA3002 – Statistical Methods of Engineering Mathematics and inclusion of suggestive reference books and text book in the syllabus</p> <p>Curriculum of this course is modified within 20% of permissible limits and replaced with same course code in structure with no requirement of any equivalence. Attached for approval. (Annexure 20.2.9-20.2.11)</p>	<p><u>Resolution No. AC/XX/20.2.9</u></p> <p>Approved.</p>	Implemented.
<p>Item 20.2.10: Change in the assessment pattern of OBE and CBCS syllabus of Engineering Mathematics – I, II, III and Open Electives</p> <p>Attached for approval. (Annexure 20.2.9-20.2.11)</p>	<p><u>Resolution No. AC/XX/20.2.10</u></p> <p>Approved.</p>	Implemented
<p>Item 20.2.11: Post-facto approval for change in CO's - PO's mapping tables of courses Engineering Physics, Engineering Chemistry, Engineering Mathematics – I, II, III, Open Electives and Communication Skills of OBE and CBCS syllabus</p> <p>Attached for approval. (Annexure 20.2.9 - 20.2.11)</p>	<p><u>Resolution No. AC/XX/20.2.11</u></p> <p>Approved.</p>	Implemented.
<p>Proposals from Mechanical Engineering Department</p> <p>Item 20.2.12: Approval of Structure of TY MECHANICAL CBCS ME3013 Lab-CAME II (TE SEM V) as ME3013 Lab-CAME II and Mini Project. (Annexure 20.2.12)</p>	<p><u>Resolution No. AC/XX/20.2.12</u></p> <p>Approved.</p>	Implemented.
<p>Item 20.2.13: Approval of Syllabus of TY MECHANICAL CBCS ME3013 Lab-CAME II (TE SEM V) as ME3013 Lab-CAME II and Mini Project. (Annexure 20.2.13)</p>	<p><u>Resolution No. AC/XX/20.2.13</u></p> <p>Approved.</p>	Implemented.
<p>Item 20.2.14: Approval to conduct following short term courses in association with “Institute of Design of Electrical Measuring Instrument” (MSME-IDEMI, Sion, Mumbai) (Annexure 20.2.14a – 20.2.14d)</p>	<p><u>Resolution No. AC/XX/20.2.14</u></p> <p>Approved.</p>	Implemented.

<p>HYPERMESH: Prof. S. R. Kulkarni ROBOTICS & AUTOMATION: Prof. M. S. Harne & Dr. U. V. Hambire 3D PRINTING: Dr. Y. U. Sathe CATIA: Prof. S. R. Kulkarni</p>		
<p>Item 20.2.15: Approval of Errata in B.E. and B.Tech. Mechanical CBCS Full Time and structure (Annexure 20.2.15a – 20.2.15b)</p>	<p><u>Resolution No. AC/XX/20.2.15</u> The proposal is referred back to BoS for revision. The industrial Internship is mandatory as per AICTE mandate; it cannot replace a professional elective course.</p>	<p>Revised proposal is submitted as a main agenda for approval.</p>
<p>Item 20.2.16: Include Social Innovation Course in syllabus S.Y. Mechanical CBCS as an Audit Course AC 2005 Social Innovation (Annexure 20.2.16a – 20.2.16b)</p>	<p><u>Resolution No. AC/XX/20.2.16</u> Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.17: Proposal of Minor certification course in Entrepreneurship Development and under Ankur Incubation Centre (Annexure 20.2.17)</p> <p>In order to create awareness to the young generation to explore the Entrepreneurial avenues as an important career opportunity, it is proposed to develop an ecosystem within the campus by providing support of all kind for the same. The idea is to create awareness about entrepreneurship, innovation and leadership by providing necessary information, knowledge and relevant skills to inculcate business acumen during campus life of the students. It is proposed to start a minor course Entrepreneurship Development from current academic year 2019-20. This initiative is to be run under Ankur Incubation Centre. The salient features of the courses and the scheme of implementation is outlined below:</p> <p>Minor certification in Entrepreneurship Development: A 15 credit certificate programme designed for 2nd and/or 3rd year students consisting of following courses.</p> <ol style="list-style-type: none"> 1. Basics of Entrepreneurship 2. Finance, Economics and Marketing 3. Entrepreneurship Support System 4. Creativity 	<p><u>Resolution No. AC/XX/20.2.17</u></p> <p>Approved.</p>	<p>The launching of Minor certification course in Entrepreneurship Development under Ankur Incubation Centre is in process. The students are informed about the program through Ankur Incubation Centre.</p>

<p>5. Entrepreneurial Spectrum</p> <p>Item 20.2.18: Proposal of extension of duration of ME Production Full Time and Part time students (Annexure 20.2.18)</p> <table border="1" data-bbox="204 344 906 539"> <thead> <tr> <th>Enrolment No</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>ME10F11P013</td> <td>Ajit Shrikant Vairagkar</td> </tr> <tr> <td>ME09F11P002</td> <td>Suchita Shishupal Balwir</td> </tr> <tr> <td>ME10F11F004</td> <td>Jadhav Sansarsagar Pandit</td> </tr> </tbody> </table>	Enrolment No	Name	ME10F11P013	Ajit Shrikant Vairagkar	ME09F11P002	Suchita Shishupal Balwir	ME10F11F004	Jadhav Sansarsagar Pandit	<p><u>Resolution No. AC/XX/20.2.18</u></p> <p>Approved.</p>	<p>Implemented.</p>
Enrolment No	Name									
ME10F11P013	Ajit Shrikant Vairagkar									
ME09F11P002	Suchita Shishupal Balwir									
ME10F11F004	Jadhav Sansarsagar Pandit									
<p>Proposals of Master of Computer Application (M.C.A.) Department</p> <p>Item 20.2.19: Approval of Credit Transfer of NPTEL Course for SYMCA Students of Semester-II (A.Y.2018-19) (Annexure 20.2.19 – 20.2.20)</p> <p>Three students of SYMCA Ms. Rashi Gupta, Abhishek Meshram and Ms. Aarti Tiwari have completed the NPTEL course “The Joy of Computing using Python” with 93%, 92% and 93% respectively. The credit transfer of this NPTEL course was discussed in Board of Studies meeting held on 08/02/2019 as the similarity of course between SYMCA –MC2019 Python Programming and NPTEL course was above 80% and as per discussion in B.O.S. meeting amongst the members it was resolved that 4 credits of the course MC2019 should be transferred to above three students. Students result was declared by taking approval from Hon. Principal and the proposal is kept for post facto approval of academic council.</p>	<p><u>Resolution No. AC/XX/20.2.19</u></p> <p>Approved.</p>	<p>Implemented.</p>								
<p>Item 20.2.20: Approval of Equivalence of Subjects of SYMCA student Kailas Neel, admission transferred from Govt. Engineering College, Karad to Govt. Engineering College, Aurangabad (Annexure 20.2.19 – 20.2.20)</p> <p>Department level committee of faculty members 1) Dr. V. P. Kshirsagar, 2) Dr. P. C. Shetiye and 3) Prof. S. R. Pardeshi was constituted for resolving the issue. The committee after going through the grade cards issued by Government Engineering College, Karad of Mr. Kailas Neel and also curriculum of MCA course of both the institutes, it is resolved to award the credits of FYMCA part-I and –II of Government College of Engineering, Aurangabad as he has cleared Semester – I and II from Government Engineering College, Karad. Further the candidate has to register a fresh from Semester –III onwards as per MCA –CBCS</p>	<p><u>Resolution No. AC/XX/20.2.20</u></p> <p>Approved.</p>	<p>Implemented.</p>								

<p>syllabus of this institute. Course wise equivalence was prepared and the approval of B.O.S. was taken. Hon. Principal has approved the equivalence table and the course registration of the said student was done accordingly. The proposal is kept for post facto approval of academic council.</p>		
<p>Item 20.2.21: Proposal to give FYMCA CBCS (Semester-I and Semester-II) students choice to select next semester courses As per CBCS rules of M.C.A. program students of first year M.C.A. are not allowed to opt for the subjects of second year. As M.C.A. is a six semester program (Five Academic Semesters and One Semester Industry training) the students gets only four semesters for choosing subjects i.e. Sem-I, II, III and IV. This proposal was put before B.O.S. for discussion and approval. The proposal was approved in B.O.S. and kept for approval in academic council.</p>	<p><u>Resolution No. AC/XX/20.2.21</u> Approved.</p>	<p>Implemented.</p>
<p>Proposals of Computer Science & Engineering Department Item 20.2.22: Approval to extend the dissertation period by one year for following students 1. ME06F05P006 Aghor Madhuri Shridharrao 2. ME11 F05P020 Tarange Arun Laxman (Annexure 20.2.22)</p>	<p><u>Resolution No. AC/XX/20.2.22</u> Approved.</p>	<p>Implemented.</p>
<p>Proposals of Information Technology Department Item 20.2.23: Approval to Program Specific Outcomes (PSOs) of IT Department Department of IT has framed following three Program Specific Outcomes (PSOs): After successful completion of the programme: PSO1: Graduates will be able to apply skills and knowledge of programming, storage management, networking and system development for project development PSO2: Graduates will be able to design, document and develop industrial/ research problems to provide a novel solution using cutting edge technologies. PSO3: Graduates will be able to work in team and communicate effectively to provide IT solutions in the societal and human context for sustainable development</p>	<p><u>Resolution No. AC/XX/20.2.23</u> Referred back to BoS for revision.</p>	<p>Revised proposal is submitted as a main agenda for approval.</p>

Submitted for the approval of Academic Council.		
<p>Proposals of Civil Engineering Department</p> <p>Item 20.2.24: Approval to Program Specific Outcomes (PSOs) of Civil Engg Department Department of Civil Engineering has framed following three Program Specific Outcomes (PSOs): Civil Engineering Graduate will be able: 1. Plan, Design, Execute Building, Transportation and Water related Engineering Practice 2. Apply subject domain knowledge to analyze and design the Civil Engineering Structures Submitted for the approval of Academic Council.</p>	<p><u>Resolution No. AC/XX/20.2.24</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.25: Proposal for equivalence of UG Civil Engineering Non CBCS Scheme to CBCS Scheme for teaching purpose only (Annexure 20.2.25)</p>	<p><u>Resolution No. AC/XX/20.2.25</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Proposals of Electrical Engineering Department</p> <p>Item 20.2.26: Modification in the course name and contents of BE (EEP) (CBCS) for Electrical Equipment Specification laboratory (Annexure 20.2.26)</p> <p>According to academic experts, for attainment of any PO/PSO there has to be at least a single course which is compulsory for all students relevant to any PO/PSO. 'PSO 14 for Department of Electrical Engineering, GECA is related with demonstration of High Voltage Engineering principles. In the existing structure - relevant to this particular PSO - no course is compulsory. This will result in non-attainment of this PSO. To achieve the CO-PSO attainment, the existing course Electrical Equipment Specification laboratory is proposed to modify with title <i>High Voltage Engineering and Electrical Equipment Specification laboratory</i> with appropriate modifications in the contents. With these modifications more exposure will be given to students with existing facility of High voltage Engineering laboratory in the department and at the same time students will be able to study electrical equipment specifications as well. With this view, it is proposed to combine few experiments of <i>High voltage Engineering</i> with <i>Lab Electrical Equipment Specifications</i> in the curriculum of BE (EEP) (CBCS) course. The title of the course will change to <i>High Voltage Engineering and Electrical Equipment Specifications</i> laboratory. Rest of the structure will remain same.</p>	<p><u>Resolution No. AC/XX/20.2.26</u></p> <p>Approved.</p>	<p>Implemented.</p>

<p>Item 20.2.27: Addition to course contents of EE 51004 Lab High Voltage Engineering of M. Tech. (EPS) CBCS (Annexure 20.2.27)</p> <p>It is proposed to add few more experiments in the existing list of experiments of Lab High Voltage Engineering of M. Tech. (EPS)CBCS course and modification as discussed in BoS</p>	<p><u>Resolution No. AC/XX/20.2.27</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.28: Proposal for approval of Non CBCS old scheme students to follow Non CBCS revised scheme</p> <p>A] Ajit Bitke, is a student admitted in 2011-12 in F.E. He completed his F. E. and S.E. as per his prescribed syllabus (Non-CBCS-old). In 2016-17 he became eligible to get admission in T.E. and he was admitted to (Non-C.B.C.S. Revised). Now in 2018-19 he is eligible to get admission in B.E. Approval for his admission and for all such students may be granted.</p> <p>B] Sadanand Mukindwad was admitted to F.E. in 2012-13 in Non-CBCS- revised pattern. He has completed his FE, SE, TE in non-CBCS- revised pattern. Approval may be granted to him and all such students to get admission to BE as per Non-CBCS - revised pattern.</p>	<p><u>Resolution No. AC/XX/20.2.28</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.29: Proposal for corrections in the evaluation scheme of one of the Engineering Sciences courses for S.E. (EEP) CBCS, the course EE 2019 Engineering Materials (Annexure 20.2.29)</p>	<p><u>Resolution No. AC/XX/20.2.29</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.30: Equivalence to PG Non-CBCS courses</p> <p>List of the PG courses and their equivalence for teaching purpose only are proposed for approval.</p> <p>M. E. (EPS) Non-CBCS (Annexure 20.2.30) M. E. (EMD) Non-CBCS (Annexure 20.2.30)</p>	<p><u>Resolution No. AC/XX/20.2.30</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.31: Modifications in Course outcomes and CO-PO mapping (Annexure 20.2.31)</p> <p>It is proposed to approve the revised course outcomes and CO-PO mapping for few courses as discussed in BoS.</p>	<p><u>Resolution No. AC/XX/20.2.31</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.32: Rearrangement of course contents of the course EE4001 Electric Drives (Annexure</p>	<p><u>Resolution No. AC/XX/20.2.32</u></p>	

<p>20.2.32)</p> <p>It is proposed to approve rearrangement of the contents and revision of few course outcomes and CO-PO mapping for EE4001: Electric Drives as discussed in BoS.</p>	<p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.2.33: Internship/ Industrial training as an Audit Course and is to be reflected in grade card of Semester III for M. Tech. (EPS & EMD) programs</p> <p>It is compulsory to the students of M. Tech. (EPS & EMD) programs to do internship /industrial training during vacations. No credit has been assigned to internship /industrial training. Therefore, board suggested to make Internship/ Industrial training as an Audit Course for PG courses. Hence it is proposed for approval. Moreover necessary arrangements to be made so that it is reflected in grade card of Semester III for M. Tech. (EPS & EMD) programs</p>	<p><u>Resolution No. AC/XX/20.2.33</u></p> <p>The proposal is approved and shall be applied to all the PG Engineering programs.</p>	<p>Instead of calling the Industrial training as an audit course, it will be reflected as, <i>Industrial Training S/N</i> on the grade card of students. Student shall be allowed to submit the dissertation only if she/he completes the Industrial Training.</p>
<p>Item 20.2.34: Proposal for approval to revised PSOs of Electrical Engineering</p>	<p><u>Resolution No. AC/XX/20.2.34</u></p> <p>Referred back to BoS for revision.</p>	<p>Revised proposal is submitted as a main agenda for approval.</p>
<p>Item 20.3: Proposal from Registrar Academics for formation of new Board of Studies</p> <p>As the tenure of existing Board of Studies is over, new Board of Studies of different departments are placed before academic council for approval. (Annexure 20.3)</p>	<p><u>Resolution No. AC/XX/20.3</u></p> <p>Approved.</p>	<p>Implemented.</p>
<p>Item 20.4: Any other Item with the permission of chair</p> <p>Item 20.4.1: Revised Rules and Regulations Regarding Curriculum as per Choice Based Credit System for Post Graduate Programmes (Master of Technology and Master of Computer Applications)</p>	<p><u>Resolution No. AC/XX/20.4.1</u></p> <p>Approved and to be published on website with corrections if any.</p>	<p>Implemented.</p>

<p>Item 20.4.2: Publication to be noted in Academic Council as per Resolution No. AC/XV/15.4.1 As per academic council Resolution No. AC/XV/15.4.1, following publications to be noted in academic council.</p> <ul style="list-style-type: none"> The paper, “<i>LID Coupled Design of Drainage Model using GIS and SWMM</i>”, by M. E. WRE student, Mr Satish Taji & Dr. D. G. Regulwar, is published in Taylors & Francis ISH Journal of Hydraulic Engineering which is SCOPUS journal with DOI: 10.1080/09715010.2019.1660919. Chapter 11, <i>Management and Modeling of Urban Stormwater</i>, (D. G. Regulwar and S. G. Taji, Department of Civil Engineering, Government College of Engineering, Aurangabad, Maharashtra State, India, and others) in the book <i>Managing Stormwater: Practices and Challenges for Reuse and Recycling</i>, Nova Publisher, USA. 	<p><u>Resolution No. AC/XX/20.4.2</u></p> <p>Noted. Mr Satish Taji & Dr. D. G. Regulwar was congratulated by the members.</p>	<p>No action required.</p>
<p>Item 20.4.3: Academic schedule for odd semester of the academic year 2019-20 for information</p>	<p><u>Resolution No. AC/XX/20.4.3</u></p> <p>Approved.</p>	<p>Implemented.</p>

Minutes of Meeting and Action Taken Report were approved.

Agenda	Resolution
<p>Item 21.2.1: Proposal Regarding Mandatory Courses As per Resolution No.AC/XVII/17.4.1, few courses under the head of mandatory courses were suggested & approved. It is observed that the suggested courses come under the category of audit courses (Extra Curricular). Henceforth it is proposed to consider these Mandatory Courses (SW2001- SW2009) as an Audit Courses-I. The same should be reflected on the grade cards of the students who have undergone `these courses.</p>	<p><u>Resolution No. AC/ XXI/21.2.1</u></p> <p>Approved.</p>
<p>Proposals from Electronic & Telecommunication Engineering Department Item 21.2.2: Revision of COs and CO, PO & PSO mapping for UG courses In NBA guidelines, around six course outcomes for each course are recommended. In line with that department has decided to change the</p>	<p><u>Resolution No. AC/ XXI/21.2.2</u></p> <p>Approved.</p>

<p>existing COs to meet the NBA needs. Course outcomes of professional core courses in the even semester are modified and accordingly the CO, PO & PSO mapping and assessment patterns are also changed. (Annexure 21.2.2a to 21.2.2c)</p>	<p>However the focus should be on effective implementation of OBE.</p>
<p>Item 21.2.3: Modification of curriculum structure and contents of UG program The structure of core theory course ET 3011 Computer Architecture and Organization (4+0) is revised to (3+0) and is replaced in the curriculum and the structure by equivalent course with the same name but changed course code to ET 3111. Earlier the course is considered with structure (4+0) which was leading to total 177 credits hence the same course with (3+0) is proposed to be added in the curriculum so that the total credits are 176. The course Computer Architecture & Organization (ET3011) is to be replaced with Computer Architecture and Organization (ET3111). (Annexure 21.2.2b) Power Electronics (ET 4079) course and Lab Power Electronics (ET4080) Course is added in the list of Professional electives (Annexure 21.2.3). It shall be forwarded to Academic Council.</p>	<p><u>Resolution No. AC/ XXI/21.2.3</u> Approved.</p>
<p>Item 21.2.4: Publications to be noted in the Academic Council as per Resolution No. AC/XV/15.4.1 As per Academic Council Resolution No.AC/XV/15.4.1, following publications to be noted in the Academic Council</p> <ol style="list-style-type: none"> a. S. R. Hirekhan presented paper in International conference on Health Sciences and Medical Education (HSME-2019_ during 08-09 December 2019 at Wuhan, China. Paper title: LRTC Analysis of Meditation EEG signals. b. N. R. Kolhare presented paper in Second European conference on Smart Nano-material Staking in Paris from 10-13 December 2019. Paper Title: Graphene based Archimedean Spiral antenna for Terahertz Frequency. 	<p><u>Resolution No. AC/ XXI/21.2.4</u> Noted and appreciated.</p>
<p>Proposals from Information Technology Department Item 21.2.5: Approval of Programme Specific Outcomes Board of Studies (Information Technology) has revised the Programme Specific Outcomes (PSOs) of the department. The proposal is put before the Academic Council for approval.</p> <p>After successful completion of the programme students will be able to:</p> <ul style="list-style-type: none"> PSO1: Apply core IT Knowledge to identify, formulate and solve emerging engineering problems PSO2: Design, develop and deploy quality software products by applying knowledge of modern IT concepts and tools PSO3: Apply the skills of IT professionals to develop solutions in societal and environmental contexts 	<p><u>Resolution No. AC/ XXI/21.2.5</u> Approved.</p>
<p>Item 21.2.6: Minor modifications in the COs, CO-PO mapping and</p>	<p><u>Resolution No. AC/ XXI/21.2.6</u></p>

<p align="center">assessment pattern for odd semester UG courses</p> <p>Minor changes in the course outcomes of the odd semester courses of S.Y., T.Y. and Final Year B.Tech. along with CO-PO mapping and assessment patterns are done & is approved in the BoS. The proposal is put before the Academic Council for approval. (Annexure 21.2.6a-21.2.6c)</p>	<p>Approved. However the focus should be on effective implementation of OBE.</p>
<p>Item 21.2.7: Approval for equivalence of an NPTEL course BoS has identified the NPTEL course noc20-cs20 Cloud Computing as an equivalent theory course for IT456 / IT4058 Cloud Computing. The proposal is submitted for approval.</p>	<p><u>Resolution No. AC/ XXI/21.2.7</u> Approved.</p>
<p>Proposals from Electrical Engineering Department Item 21.2.8: Approval to Revised Programme Specific Outcomes (PSOs) Board of Studies (Electrical Engineering) has proposed to revise the Programme Specific Outcomes (PSOs) of the department. Existing Programme Specific Outcomes (PSOs): Graduate will be able to: PSO1. To apply contextual knowledge to assess social, health, safety, legal and cultural issues to the professional engineering practice PSO2. To investigate an opportunity to use Renewable energy technologies PSO3. To demonstrate the principles of high voltage engineering Revised Programme Specific Outcomes (PSOs): Graduate will be able to: PSO1. Identify, formulate problems in power system domain and apply subject knowledge to provide solutions PSO2. Classify, make use of various electrical machines, power electronics circuits and electrical drives for engineering applications and investigate for suitability and troubleshooting PSO3. Analyze and apply concepts of electronics, control systems and instrumentation for engineering applications</p>	<p><u>Resolution No. AC/ XXI/21.2.8</u> Approved.</p>
<p>Item 21.2.9: Approval to CO, CO- PO & PSO mapping and minor changes in course content The Programme Specific Outcomes (PSOs) have been revised. It is, therefore, proposed to modify CO,CO- PO & PSO mapping as per revised Programme Specific Outcomes (PSOs) and also proposed minor changes in course content in the curriculum of SY B. Tech, TY B. Tech, Final Year B.Tech, M. Tech. (EPS) and M. Tech. (EMD). (Annexure 21.2.9a- Annexure 21.2.9h)</p>	<p><u>Resolution No. AC/ XXI/21.2.9</u> Approved. However the focus should be on effective implementation of OBE.</p>
<p>Proposals from Mechanical Engineering Department Item 21.2.10: Change in title of Open Elective course ME 4030 Engineering Economics It is observed that said course curriculum contains economics and</p>	<p><u>Resolution No. AC/ XXI/21.2.10</u> Approved.</p>

<p>certain component of cost hence Borad of Studies has suggested to change the course title as ME 4130 Engineering Economics and Costing (Annexure 21.2.10)</p>																					
<p>Item 21.2.11: Modification in the list of Professional Electives As per suggestion of Academic Council, the list of Professional Elective V and VI of Mechanical Engineering Programme is re-organized and is approved in BoS.</p> <table border="1" data-bbox="175 504 1109 985"> <thead> <tr> <th data-bbox="175 504 646 582">Present Professional Elective V</th> <th data-bbox="646 504 1109 582">Proposed Professional Elective V</th> </tr> </thead> <tbody> <tr> <td data-bbox="175 582 646 716">ME4004 Industrial Training</td> <td data-bbox="646 582 1109 716">ME 4024 Tribology ME 4025 Advanced Joining Techniques ME 4032 Advanced Materials</td> </tr> <tr> <th data-bbox="175 716 646 750">Present Professional Elective VI</th> <th data-bbox="646 716 1109 750">Proposed Professional elective VI</th> </tr> <tr> <td data-bbox="175 750 646 784">ME 4020 Automobile Engineering</td> <td data-bbox="646 750 1109 784">ME 4020 Automobile Engineering</td> </tr> <tr> <td data-bbox="175 784 646 817">ME 4021 Energy Audit &Management</td> <td data-bbox="646 784 1109 817">ME 4021 Energy Audit &Management</td> </tr> <tr> <td data-bbox="175 817 646 851">ME 4022 Reliability Engineering</td> <td data-bbox="646 817 1109 851">ME 4022 Reliability Engineering</td> </tr> <tr> <td data-bbox="175 851 646 884">ME 4023 Robotics and Automation</td> <td data-bbox="646 851 1109 884">ME 4023 Robotics and Automation</td> </tr> <tr> <td data-bbox="175 884 646 918">ME 4024 Tribology</td> <td data-bbox="646 884 1109 918"></td> </tr> <tr> <td data-bbox="175 918 646 952">ME 4025 Advanced Joining Techniques</td> <td data-bbox="646 918 1109 952"></td> </tr> <tr> <td data-bbox="175 952 646 985">ME 4032 Advanced Materials</td> <td data-bbox="646 952 1109 985"></td> </tr> </tbody> </table> <p>It is submitted herewith for the approval of Academic Council. (Annexure 21.2.10)</p>	Present Professional Elective V	Proposed Professional Elective V	ME4004 Industrial Training	ME 4024 Tribology ME 4025 Advanced Joining Techniques ME 4032 Advanced Materials	Present Professional Elective VI	Proposed Professional elective VI	ME 4020 Automobile Engineering	ME 4020 Automobile Engineering	ME 4021 Energy Audit &Management	ME 4021 Energy Audit &Management	ME 4022 Reliability Engineering	ME 4022 Reliability Engineering	ME 4023 Robotics and Automation	ME 4023 Robotics and Automation	ME 4024 Tribology		ME 4025 Advanced Joining Techniques		ME 4032 Advanced Materials		<p><u>Resolution No. AC/ XXI/21.2.11</u></p> <p>Approved.</p>
Present Professional Elective V	Proposed Professional Elective V																				
ME4004 Industrial Training	ME 4024 Tribology ME 4025 Advanced Joining Techniques ME 4032 Advanced Materials																				
Present Professional Elective VI	Proposed Professional elective VI																				
ME 4020 Automobile Engineering	ME 4020 Automobile Engineering																				
ME 4021 Energy Audit &Management	ME 4021 Energy Audit &Management																				
ME 4022 Reliability Engineering	ME 4022 Reliability Engineering																				
ME 4023 Robotics and Automation	ME 4023 Robotics and Automation																				
ME 4024 Tribology																					
ME 4025 Advanced Joining Techniques																					
ME 4032 Advanced Materials																					
<p>Item 21.2.12: Proposal for distribution of Project-I credits The Board of Studies has emphasized for assigning credit/s to Industrial Training. It is resolved in BoS meeting to assign one credit to course ME4004 Industrial Training. Hence the distribution of credits is re-organized and one credit is assigned to Project Phase I and Industrial Training each against two credits of Project Phase I. (Annexure 21.2.10)</p>	<p><u>Resolution No. AC/ XXI/21.2.12</u> Approved & it is resolved that the expectations of industrial training be finalized, approved and communicated to concerned stakeholders and assessment be done accordingly.</p>																				
<p>Proposals from Master of Computer Application (M.C.A.) Department</p> <p>Item 21.2.13: Approval to Vision, Mission, CO, PO, PEO, PSO of MCA department Vision, mission, CO, PO, PEO and PSO are prepared and approved by Board of Studies for MCA programme. It is submitted herewith for the approval of Academic Council. (Annexure 21.2.13a- 21.2.13 d)</p>	<p><u>Resolution No. AC/ XXI/21.2.13</u></p> <p>Approved.</p>																				
<p>Item 21.2.14: Formation of Industrial Advisory Board for MCA department</p>	<p><u>Resolution No. AC/ XXI/21.2.14</u></p>																				

<p>The industrial advisory board is formed for MCA department. It is submitted herewith for the approval of Academic Council. (Annexure 21.2.14)</p>	<p>Approved.</p>
<p>Item 21.2.15: Registration of courses for students of M.C.A. removing restriction of Even-Odd Semester</p> <p>MCA is six semester course. Any graduate is eligible for the admission to MCA. The students are not aware and ready to register more courses in first semester. They cannot register for more courses as sixth semester is devoted for performing project in the industry and no more courses are available to register. The students are practically left with three semesters second, third and forth to opt for more courses. In this scenario the current mechanism of choosing courses from ODD to ODD and EVEN to EVEN semester is not suitable to MCA students. The BoS members recommended for registration of the courses from any semester to be allowed as a special case for MCA students.</p>	<p><u>Resolution No. AC/ XXI/21.2.15</u></p> <p>Proposal is withdrawn.</p>
<p>Proposals from Civil Engineering Department</p> <p>Item 21.2.16: Addition of new open elective</p> <p>The candidates admitted in the year 2016-17 are now in the final year. As per the rules for the award of degree, the candidates are required to earn at least 176 credits. The suggestive path also provides the combinations of courses for earning 176 credits. In the suggestive path in order to earn 176 credits, 04 open elective courses are prescribed. However in the curriculum document only 03 open electives are included, as a result the students studying in this batch are short of credits. Hence a new course “CE4051: Introduction to Operation Research” approved in BoS has been offered to the students with the permission of Chairman, Academic Council. The proposal is kept for post facto approval. (Annexure 21.2.16)</p>	<p><u>Resolution No. AC/ XXI/21.2.14</u></p> <p>Approved.</p>
<p>Item 21.2.17: Approval for the change of Course Code for the course ‘HS 3001: Constitution of India and Professional Ethics’</p> <p>As per the course curriculum approved by the academic council the course ‘Constitution of India and Professional Ethics’ has been assigned 03 credits. However during last year examination, the course is offered with 02 credits. As the subject is open elective and has three credits, it is necessary to correct the same. A new course ‘HS 3003 Constitution of India and Professional Ethics’ with 03 credits and the same curriculum as that of HS 3001 which is already approved shall be added from the current academic year 2019-20. (Annexure 21.2.17)</p>	<p><u>Resolution No. AC/ XXI/21.2.17</u></p> <p>Approved.</p>
<p>Item 21.2.18: Change in name of the course</p> <p>The course CE4028 contains the Estimation, Costing and Valuation part of Civil Engineering. The course title is ‘CE 4028 Estimating and Costing’. However few practicing engineers represented and requested</p>	<p><u>Resolution No. AC/ XXI/21.2.18</u></p>

<p>to modify the course title as 'CE4128 Estimating Costing and Valuation'. In BoS meeting it is decided to rename the course CE4028: Estimating and Costing as 'CE4128- Estimating, Costing and Valuation' with the same credits and curriculum as CE-4028. and the course 'CE 4030 Lab-Estimating and Costing' as 'CE 4130 Lab-Estimating Costing and Valuation' with same credits and curriculum as CE 4030. (Annexure 21.2.18)</p>	<p>Approved.</p>
<p>Proposal from Controller of Examinations</p> <p>Item 21.2.19: Proposal for decentralization of Examination and Assessment System and revision in the rates of honorarium for examination work</p> <p>In order to improve the examination & evaluation system, a committee was formed by the principal to recommend reforms / modifications in the existing system. The committee after deliberations has made recommendations in its report. The report is kept for discussion & approval. (Annexure 21.2.19a-21.2.19b)</p>	<p><u>Resolution No. AC/ XXI/21.2.19</u></p> <p>It is resolved that, present practice of examination and assessment will be continued. However following reforms suggested by the Academic Council/ Examination reforms committee are accepted for immediate implementation.</p> <p>1) Head of the department shall be by default act as Departmental Examination and Assessment Controller and shall be solely responsible for assessment of the concern department.</p> <p>2) Examination and evaluation work is mandatory as per service condition of teachers. Council has taken serious note of the fact that there is a long delay in the declaration of the result, due to non availability of</p>

	<p>teachers for evaluation. Council empathically resolved that assessment shall be completed within 5 days after the paper & result shall be declared within 9 calendar days from the last day of examination. All teachers shall responsibly carry out all examination related work within stipulated time, and if there is any delay on teacher's part, then, punitive action in the form of noting in the service book without notice shall be implemented.</p> <p>3) Academic Council has recommended the enhancement in the rates of honorarium for examination work. The proposed rates are forwarded to the Finance Committee for final approval.</p>
<p>Item 21.2.20: Academic Calendar of Academic Year 2019-20 Even Semester for information (Annexure 21.2.20)</p>	<p><u>Resolution No.</u> <u>AC/ XXI/21.2.18</u></p> <p>Approved.</p>

Following suggestions were given by the Hon. Members:

Prof. Dr. Gopalkrishna Joshi suggested to include an account of progress in publications since previous meeting.

Prof. Dr. Jaiswal suggested to consider a system for Re-Examination of students failed in NPTEL examination.

Mr. Mukund Kulkarni suggested to identify a curriculum as a reference for designing the new curriculum to be implemented in future.

The meeting ended with vote of thanks by Dr. A. A. Bhole, Dean (Academics).



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



Dr. P. B. Murnal
Chairman
Academic Council
Government College of Engineering
Aurangabad

