



## GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(An Autonomous Institute of Government of Maharashtra)

(Affiliated to Shivaji University, Kolhapur)

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GCEK/Acad\_Council/MoM/2020/

Date: June 15, 2020

### Minutes of 7<sup>th</sup> Academic Council Meeting

held on 13<sup>th</sup> June 2020

The 7<sup>th</sup> meeting of Academic Council of Government College of Engineering, Karad was held online on 13/06/2020. Following Members were present for the meeting:

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|-----|------------------|--|
| 1.  | Chairman         | Prof. (Dr.) A. T. Pise, Principal, GCoE, Karad                                 |
| 2.  | Member           | Prof. (Dr.) P. M. Khodke, invited member, Central Project Advisor, NPIU, Delhi |
| 3.  | Member           | Prof. (Dr.) S. V. Kulkarni, IIT, Bombay  |
| 4.  | Member           | Prof. (Dr.) M. M. Ghangrekar, IIT, Kharagpur                                   |
| 5.  | Member           | Prof. (Dr.) Damodar Reddy Edla, NIT, Goa                                       |
| 6.  | Member           | Prof.(Dr.) Mrs P. P. Rege, College of Engineering, Pune                        |
| 7.  | Member           | Prof.(Dr.) Uday Khedkar, IIT, Bombay   |
| 8.  | Member           | Prof. (Dr.) P. V. Kadole, University Nominee (SU, Kolhapur)                    |
| 9.  | Member           | Prof. (Dr.) Mrs S. S. Kulkarni, University Nominee (SU, Kolhapur)              |
| 10. | Member           | Prof. (Dr.) S. V. Anekar, University Nominee(SU, Kolhapur)                     |
| 11. | Member           | Prof. (Dr.) Y. M. Ghugal, Head, Department of Applied Mechanics                |
| 12. | Member           | Prof. (Dr.) S.S. Valunjakar, Head, Department of Civil Engineering             |
| 13. | Member           | Prof. (Dr.) P. M. Joshi, Head, Department of Electrical Engineering            |
| 14. | Member           | Prof. (Dr.) R. K. Shrivastav, Head, Department of Mechanical Engineering       |
| 15. | Member           | Prof. (Dr.) S. J. Wagh, Head, Department of Information Technology             |
| 16. | Member           | Prof. (Dr.) A. M. Sapkal, Head, Department of E&TC Engineering                 |
| 17. | Member           | Prof. (Dr.) B. S. Patil, Head, Department of MCA                               |
| 18. | Member           | Prof. (Dr.) V. S. Patil, Head, Department of Mathematics                       |
| 19. | Member           | Prof. (Dr.) S. P. Deshmukh, (Teacher Representative)                           |
| 20. | Member           | Prof. (Dr.) A. R. Karwankar(Teacher Representative)                            |
| 21. | Member           | Prof. (Dr.) U. V. Patil, Dean Academics  |
| 22. | Member           | Prof. (Dr.) U. V. Pise, invited member, CoE                                    |
| 23. | Member           | Prof. (Dr.) A. R. Acharya, invited member, Dean, III                           |
| 24. | Member Secretary | Prof. (Dr.) S. H. Pawar  |

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The leave of absence was granted to Prof. (Dr.) Atul Sharma, IIT, Bombay, Prof. (Dr.) S. P. Pandey, invited member, Director, Rajkiya College of Engg, Azamgarh, UP, Mr. Sanjay Parkhi, Divisional Manager, Thermax Babcock & Wilcox Energy Solutions Pvt Ltd, Pune.

The Member Secretary welcomed all members of the Academic Council and requested Hon. Chairman Dr A. T. Pise to offer his opening remarks. Hon. Chairman, in his opening remarks informed the house about the agenda of the meeting and new model curriculum of AICTE. He also informed the house about efforts taken by the institute during Covid-19 pandemic by continuing online teaching using different platforms such as Google classroom, Cisco-webEx, Zoom etc. to complete the syllabus.

With the permission of the Hon Chairman, the Member Secretary started with the agenda.

#### **Item No. 7.1**

##### **To confirm the minutes of 6<sup>th</sup> Academic Council meeting held on 25th May 2019**

Member Secretary presented minutes of the 6th Academic Council meeting held on 25th May 2019. Hon. Members approved the item.

The house confirmed the minutes of the 6th Academic Council held on 25th May 2019.

#### **Item No 7.2**

##### **To report actions taken on the minutes of 6<sup>th</sup> Academic Council Meeting held on 25<sup>th</sup> May 2019**

Member Secretary presented the action taken report on the minutes of the 6th academic council meeting held on 25<sup>th</sup> May 2019.

Hon. Chairman informed the house that almost all suggestions were incorporated and accordingly implemented.

With the above discussion, the house approved the action taken report on the minutes of the 6th Academic Council Meeting held on 25<sup>th</sup> May 2019.

#### **Item No 7.3**

##### **To discuss and approve revised curriculum structure of all U.G. programs**

Program Coordinators presented the revised curriculum structure of all U.G. programs.

1. Dr. Mrs S. S. Kulkarni suggested introducing an internship of minimum 4 week for students of the Second and Third year curriculum.
2. Dr Khodke further added that DTE, Mumbai and AICTE have made internship, industrial training mandatory.
3. Hon. Chairman clarified that these practices are already followed by this institute for our students of all academic years. Dr Khodke insisted to introduce it in curriculum and make its assessment then only students and faculty will take it seriously.
4. Dr Ghangrekar and Dr Khodke suggested member secretary and Dean Academics to ensure uniformity in Project credits as per model AICTE curriculum across all the programs.

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5. Dr. Khodke suggested to take care while selecting Electives from the list such that every student attains all those Program Outcomes (POs) enlisted in the Program.
6. Prof. (Dr.) Makarand Ghangrekar suggested to make groups of Elective subjects to cover all sub-disciplines. Prof. (Dr.) P. M. Khodke further suggested to follow this as a standard practice by all disciplines.

**Program specific suggestions:**

**Civil Engineering**

Sr. No.	Suggestions
1	Dr. Mrs S. S. Kulkarni suggested industrial training in the third semester as a mandatory part of the structure and curriculum.
2	Hon. Chairman instructed BoS Chairman, Civil Engineering to ensure that Industrial Training is added as a part of curriculum for Civil Engg students from second to final year.

**Mechanical Engineering**

Sr. No.	Suggestions
1	Dr. Mrs S. S. Kulkarni suggested to add software tools in domains like manufacturing, design, life cycle management etc.
2	Dr Khodke suggested to add those courses in programming right from second year
3	Dr. S P Deshmukh suggested to introduce 'Python programming' at an appropriate level. Dr. S. J. Wagh informed the house that this course can be taught at FYBTech level along with C++ course.

**Electrical Engineering**

Sr. No.	Suggestions
1	Dr. Ghangrekar expressed his concern for industrial training at the First Year vacation period where students may need the time for their hobbies etc. Further the students at this level have not studied any subjects in Electrical Engineering. Hon. Chairman Dr. Pise informed the house that AICTE has made industrial training mandatory for students at all levels. Dr Khodke further made it clear to the house that the First Year students may be given such training of short duration and with the purpose of introduction to various processes, functional units etc.

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### Electronics and Telecommunications

Sr No	Suggestions
1	Prof. (Dr) S V Kulkarni suggested to have Electromagnetics Engineering and 'Antenna and Wave Propagation' courses in consecutive semesters. This will benefit students in better understanding of the later course.
2	Prof. (Dr) Mrs Rege suggested not to have 'Image and Video Processing' as a core course. This may give the possibility of another necessary course to be a core course. Dr Karwankar added that courses like 'AI, Machine learning' require image processing. Dr Sapkal further informed the house that being 'Electronics and Telecommunication' program, this course is necessary.
3	Prof. (Dr) Mrs S S Kulkarni suggested adding courses in the areas like coding, algorithm etc. Further she asked to add them at least in Elective and it may not be necessarily to float everytime.

With above suggestions, the house approved the revision in curriculum structure of all U.G. programs.

### Item No 7.4

#### To discuss and approve revision in curriculum structure of P.G. programs in Engineering and MCA

Member secretary presented the revision in curriculum structure of P.G. programs and MCA.

1. Hon. Chairman Dr. Pise instructed to introduce MOOC's and NPTEL courses in MCA, Sem IV.
2. Dr Khodke informed to all the Program coordinators that as per AICTE and DTE mandate, there should be at least 20% MOOCs and NPTEL courses. He further suggested to pass on the message to the respective 'Board of Studies' to consider appropriate online courses at third and fourth year curriculum (from MOOC's and NPTEL) which are already mapped by NPIU.
3. Dr Khodke made a suggestion to MCA and IT programs to include Open Source Softwares in the curriculum as far as possible.

With the above suggestions, the house approved the revised curriculum structure of PG programs in Engineering and MCA.

### Item No 7.5

#### To discuss and approve revised curriculum of Second Year B. Tech (All Programs )

Member Secretary and Program Coordinators presented the AICTE model curriculum contents of all the Second Year B. Tech. programs to the house.

The house made the following suggestions common to all programs.

1. Hon. Chairman instructed all Program Coordinators to follow the suggestions from the expert members and incorporate the changes accordingly. Also he further instructed all Program Coordinators to check all contents for typographical and formatting errors.
2. Prof.(Dr) S V Kulkarni cautioned not to make the course in SY B.Tech Electrical 'EE2301, Innovations' only theoretical. He insisted to encourage students to generate ideas which in turn may convert into start-up by the time they reach seventh and eighth semester. This should be a part of assessment. He further suggested to explore funding possibilities for start-ups from Government and private organisations as well.

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3. Hon. Chairman, Dr Pise instructed Electronics and telecommunications Program Coordinator to correct all typographical mistakes and formatting in SYBTech curriculum contents.
4. Dr Mrs S S Kulkarni pointed out towards content delivery of the course 'Ethics and values' which is common across all programs. She insisted to include mini/micro projects so that students will have direct interaction with different communities around and ascertain ethics and values. Dr. Khedkar suggested that this course should be driven by case studies, preferably from the surrounding areas.
5. Prof.(Dr) Uday Khedkar suggested to include assignments explicitly using 'C++ STL' in 'Data Structure Lab course' of SYB Tech IT. Further he suggested not to give fixed sets of problem statements in 'lab work' to avoid duplication by students every year. In Curriculum contents it should be clearly stated " These are example problems and teachers should make new problem statements every year similar to this."

With above discussion and suggestions/ corrections, the house approved Second year curriculum contents for all B. Tech. Programs.

#### **Item No 7.6**

##### **To discuss and approve revised curriculum of First/Second Year P.G. Programs in Engineering and First/Third Year MCA program**

Dean Academics presented a revised curriculum of First/Second Year P.G. Programs in Engineering. He highlighted the introduction of MOOC's and Open Courses in PG curriculum. The Program Coordinator presented the new curriculum of MCA program to the house.

The house approved a revised curriculum of First/Second Year P.G. Programs in Engineering and First/Third year MCA program.

#### **Item No 7.7**

##### **To approve examination policy for Summer 2020 in view of Covid-19 pandemic**

Dean Academics presented examination policy for Summer 2020 in view of Covid-19 pandemic. Prof.(Dr) M. M. Ghangrekar expressed the risk involved in conduction of exam in Covid-19 pandemic. Dean Academics assured the house that all Government guidelines will be followed and students security will be taken care of.


With above suggestions the house approved the examination policy for Summer 2020 in view of Covid-19 pandemic

#### **Item No 7.8**

##### **To note student's performance in the examinations for winter 2019 of academic year 2019-20**

Controller of Examination presented the performance of the students in examination held in winter-2019 of the academic year 2019-20. Hon. members showed satisfaction on students' performance.

The house noted students' performance in the examinations for winter-2019 of the academic year 2019-20.

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**Item No 7.9**

**To note student's performance in campus placement during academic year 2018-19 and till date**

Dean I.I.I, Dr A. R. Acharya presented student's performance in campus placement during the academic year 2018-19 and till date. He underlined the efforts taken to boost campus placement. The house was made aware about the new internship program started this year. Prof.(Dr) M. M. Ghangrekar suggested dropping the data having smaller placement packages. This may lead to reduction of packages by other companies too.

The house noted students' performance in campus placement during the academic year 2018-19.

**Item No 7.10**

**To note and approve Academic Calendar for 2020-21**

Dean Academics presented the Academic Calendar for 2019-20. He highlighted the difficulties in starting next semester in physical mode due to Covid-19. Prof. (Dr.) S. V. Kulkarni inquired about the online facilities available in the institute. Also he asked whether all students have internet and online access. Dean Academics informed the house about the various online platforms used by faculties and students. Hon. Chairman further informed the house about the meetings conducted with students along with Heads and faculties. All students' difficulties/ queries were resolved. Hon. Chairman further informed the members about online classes and CT2 of the students conducted during the lockdown period.

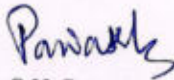
Prof.(Dr) M. M. Ghangrekar showed concern about weaker students while using online learning tools. Further he suggested the necessity of some system to crosscheck purposefulness of the students in online mode. Hon. Chairman assured the house that care will be taken by the institute.

The Academic Council noted and approved the 'Academic Calendar' of the institute for 2020-21.

**Item No 7.11**

**Any other item with the permission of Honourable Chair**

No more items were made available for the discussion. Meeting concluded with a vote of thanks proposed by Dr. S. H. Pawar, Member Secretary.



Dr. S.H. Pawar  
Member Secretary,



Prof. (Dr) A. T. Pise  
Chairman

Date: 15/06/2020

Place: Karad