



# GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Government of Maharashtra)

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No. GCOE J/INSTRU/BOS/2020/ 148

Date: 30/01/2020

To,  
Hon'ble Members,  
Board of Studies- Instrumentation Engineering,  
Govt. College of Engineering, Jalgaon.

Subject: Minutes of Meeting of the ninth Board of Studies of Instrumentation Department meet held on  
**on Friday, January 17, 2020 at COEP, Pune.**

Dear Sir/Madam,

The ninth meeting of Board of Studies of Instrumentation Department was held on Friday 17th January 2020. Following members were present for the meeting:-

Dr. G. M. Malwatkar (Chairman BOS), Dr. M. R. Bongulwar, Dr. V. D. Hazare, Dr. P. S. Shingare, Shri. Prashant T. Bhosale, Shirish Adam, Prof. S. R. Shiledar, Prof. U. M. Thorakar, Dr. P. J. Gaidhane, Dr. G. V. Lakhekar, Dr. S. Y. Sondkar, Dr. A. A. Khandekar, Dr. D. R. Shende, Dr. D. N. Sonawane and Prof. Lalit R. Chaudhari.

Shri. Vikram Deshmukh, Prof. A. D. Sonar, Dr. B. B. Musmade and Prof. M. M. Akole have communicated their absence due to emergency official work. Their leave was noted.

Meeting started with welcome of all Hon. Members by chairman. Following points of the agenda notes were discussed at length and some suggestions and conclusions were drawn unanimously which are given below

### Item No 1

***To read and confirm the minutes of eighth meeting of Board of studies of Instrumentation Engineering Department held in the meeting hall of department on Saturday, January 19<sup>th</sup>; 2019.***

Chairman briefed to all members about the actions on the minutes of meeting of sixth BOS which were noted and confirmed.

### Item No 2

***To note and approve the action taken by department on the agenda points discussed and resolved in the Eighth meeting of BoS.***

BoS noted and approved the action taken by department on the agenda points discussed and resolved in the eighth meeting of BoS.

### Item No 3



**To note improvements/additions in academic facilities of the department and other achievements of the department after the eighth meeting of BoS.**

Chairman briefed that, NBA has approved the accreditation status to Instrumentation Engineering UG program for academic years 2018-19 to 2020-21 upto 30/06/2021. BOS has noted and communicated contentment for the same.

**Item No 4**

**To note and discuss the new Second Year BTech syllabus approved by Academic Council which is already implemented from academic year 2019-20.**

BOS resolved that levels of Bloom taxonomy associated with each CO, CO-PO mapping table should be thoroughly discussed in DFB. BOS has authorized DFB to include the suggestions received by APEC.

**Item No 5**

**To discuss and approve the new Third Year BTech and PG syllabus which will be implemented from academic year 2020-21.**

Third Year BTech new syllabus discussed thoroughly by BOS. Following points are resolved-

- Evaluation pattern for Open Elective-I IN305UA Virtual Instrumentation should be discussed in DFB. Only ESE is not sufficient for evaluation of this course. Practical component should be included.
- Wireless Sensor Network is a prerequisite for Industrial Internet of Things course. So course Wireless Sensor Network (IN403UC) Professional Elective-III of semester VII should be shifted to semester VI and course Industrial Internet of Things (IN354UB) Professional Elective-II of semester VI should be shifted to semester VII.
- Project credits to be increased for option-II structure.
- IN301U Control System Components – Contents related to Oscilloscope should be removed and Electrical Drives, VFD (Variable Frequency Drives) may be added.
- IN302U Microcontroller and Application – Specific application should be mentioned in syllabus.
- IN306U Control System Components Lab – Major revision is required. Design oriented experiments to be included.
- Other course in place of IN453UB Fiber Optics and Laser course may be thought of. Optical Fiber communication related contents to be added.
- IN351U Process Instrumentation course title may be changed appropriately.
- IN352U Distributed Control System course title may be changed appropriately.
- Major revision in Course Outcomes (COs) is required for all courses.
- Levels of Bloom taxonomy associated with each CO, CO-PO mapping table should be thoroughly discussed in DFB before finalizing the contents.
- BOS has authorized DFB to include the suggestions received by APEC.

MTEch(Electrical Instrumentation and Control Engineering) syllabus discussed thoroughly by BOS. Following points are resolved-



- Course Advanced Process Instrumentation name should be changed to Advanced Process Control
- Course Power Systems and Power Electronics name should be changed to Power Systems and Drives. Power system operation and Control should be included in a course with specific Turbine automation and compressor automation
- Course Image Processing and Computer Vision name should be changed to Robotics
- Major revision in Course Outcomes (COs) is required for all courses.
- Levels of Bloom taxonomy associated with each CO, CO-PO mapping table should be thoroughly discussed in DFB before finalizing the contents.
- BOS has authorized DFB to include the suggestions received by APEC.

#### **Item No 6**

***To note and discuss the result and result analysis of Summer-19 and Winter-2019.***

The clear count of students promoted from lower class to higher class as required for NBA accreditation should be put forth next BOS meet.

#### **Item No 7**

***To discuss the credit transfer policy for online NPTEL courses done by students and its equivalence.***

BOS noted the following autonomy rule-

R4.2: The curriculum of UG program shall also include some courses of self learning mode like MOOCs, SWAYAM, NPTEL courses or courses of other institute having MoU with this institute to facilitate the students to earn additional credits if desired. Any student who earns additional 20 credits through self learning mode courses or credit transfer in addition to all the mandatory requirements for award of the UG degree and scores at least 7.5 CGPA should be awarded the B. Tech. Honors degree subject to final approval by NMU, Jalgaon.

Following points are resolved-

- Flexibility to register the NPTEL course in place of currently offered course in Institute should be provided.
- Grading scheme for students who appeared from NPTEL course should be different than Appendix- B, C and D of autonomy rules.

#### **Item No.8**

***To discuss the formation of panel of experts and course coordinators for various courses in second Year and third year and final year Instrumentation curriculum***

- 8.1 Course-wise course coordinators for various courses in second, third and final year have been discussed and BOS expressed satisfaction over active participation of most of the members.
- 8.2 Detailed list of panel of experts for various courses in second, third and final year Instrumentation curriculum has been discussed and BOS approved the same.



1. Honourable Chairman Academic council  
2. Dean Academics

**Item No 9**

***Discuss and propose inception/modification/changes in Course Outcomes as per the Bloom's taxonomy (as required by NBA)***

BOS is of the opinion that it should be discussed thoroughly in DFB and conveyed to finalize the same in DFB.

Meeting concluded with vote of thanks by Shirish Adam.

  
(Shirish Adam)

Member Secretary, BOS Instrumentation  
Government College of Engineering, Jalgaon

  
(Dr. G. M. Malwatkar)

Chairman, BOS Instrumentation  
Government College of Engineering, Jalgaon

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Copy To:

1. Honourable Chairman Academic council.
2. Dean, Academics.
3. All Hon. Members.