



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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No. GCOE J/INSTRU/BOS/2021/ 501

Date: 28/06/2021

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

Subject: Minutes of Meeting of the 11th Board of Studies of Instrumentation Department meet held
online at 11.30 am on Friday, Jun 25, 2021.

Dear Sir/Madam:

The 11th meeting of Board of Studies of Instrumentation Department was held online at 11.30 am on Friday, Jun 25, 2021. 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, Shirish Adam, Prof. S. R. Shiedar, Dr. P. J. Gaidhane, Dr. G. V. Lakhekar, Prof. S. S. Nerkar, Dr. R. D. Kokate (Principal GCOEJ).

Prof. .U. M. Thorkar 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 note improvements/additions in academic facilities of the department and other achievements of the department after the 10th meeting of BoS.

Chairman briefed to all members about the academic facilities of the department and other achievements of the department after the 11th meeting of BoS.

Item No 2

To discuss and approve the new Final Year B. Tech. syllabus which will be implemented from academic year 2021-22. For Option I and Option II.

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

- IN402U Instrumentation Project Management – Contents related to management, MSPROJECT, referring to PMI.org may be added in the syllabus.
- IN408U Instrumentation Project Management lab – Given list of practical should be reduced..
- IN409UB Instrumentation System Design lab – Practical related to reliability engineering should be introduced
- IN403UC Wireless Sensor Network – Contents about cyber security should be added.
- IN401U / IN407U Machine Learning and Data Analysis / LAB – Specific software like PYTHON and Weka 3.8.5 should be mentioned in syllabus of theory and LAB.
- IN403UD Nonlinear Control System – Syllabus complexity should be reduced by curtailing some contents.

- IN404UA Automotive Instrumentation – Contents about “Electric Vehicle: Introduction and EV development, challenges, basic concepts of electric traction and architecture of an electric car, electric power generation, energy storage, conversion to mechanical power, power train, drive train and electric drives. Hardware in loop testing of automotive ECU using available software/hardware platform Simulation” should be added. Unrelated contents can be reduced.
- IN405U B Agricultural Instrumentation – Specific applications in Food industry, cold storage should be mentioned in syllabus. Contents of Earth moving equipment can be curtailed.
- IN405U C MEMS and Nano Instrumentation – Specific applications in sensor manufacturing should be mentioned in syllabus.
- IN405U D Sensor and Transducer -- Specific applications related to Mechanical, Civil industry should be mentioned in syllabus.
- IN454U A Industrial Pollution Control and management – Details of Pollution control Law, regulating authorities, Government norms, and approval process should be mentioned in syllabus
- IN454U D Industrial Psychology – Topics related to Organization Behavior should be mentioned in syllabus
- 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 3:

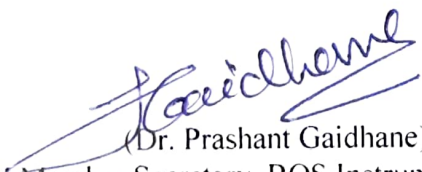
To discuss the formation of panel of experts and course coordinators for various courses in final year Instrumentation curriculum.

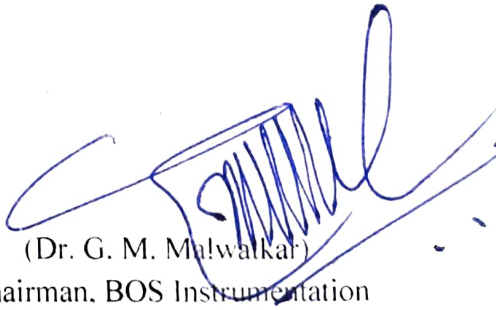
- Course-wise course coordinators for various courses in final year have been discussed and BOS expressed satisfaction over active participation of most of the members.
- Detailed list of panel of experts for various courses in final year Instrumentation curriculum has been discussed and BOS approved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

Item No 4

Any other point by the permission of chair.

Meeting concluded with vote of thanks by Dr. Prashant Gaidhane.


 (Dr. Prashant Gaidhane)
 Member Secretary, BOS Instrumentation
 Government College of Engineering, Jalgaon


 (Dr. G. M. Malwalkar)
 Chairman, BOS Instrumentation
 Government College of Engineering, Jalgaon

Copy (mail) to:

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