



## GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Government of Maharashtra)

शासकीय अभियांत्रिकी महाविद्यालय, जळगाव  
(महाराष्ट्र शासनाची स्वायत्त संस्था)

National High 6, Jalgaon-425002, India. | राष्ट्रीय महामार्ग ६, जळगाव-४२५००२, भारत.  
Phone: (0257) 2281522, 2280531, 2280534 | फोन (०२५७) २२८१५२२, २२८०५३०, २२८०५३४  
Email: principal.gcoejalgaon@dtmaharashtra.gov.in Website: www.gcoejalgaon.ac.in



No. GCOE J/INSTRU/BOS/2025/02

Date: 28/02/2025

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

**Subject:** Minutes of Meeting of the 15<sup>th</sup> Board of Studies of Instrumentation Department  
meet held **online at 12.00 pm on Friday, February 21, 2025.**

Dear Sir/Madam,

The 15th meeting of Board of Studies of Instrumentation Department was held online at 12.00 pm on Friday, February 21, 2025. Following members were present for the meeting-  
Dr. G. M. Malwatkar (Chairman BOS), Dr. R. D. Kokate, Dr. M. R. Bongulwar, Dr. G. V. Lakhekar, Shri. Prashant Bhosale, Dr. P. J. Gaidhane, A. M. Dongardive, S. G. Adam, A. A. Ansari, Dr. M. S Patil and P. J. Turare.

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 Minutes of meeting of last BOS meeting.***

Member Secretary briefed to all members about the things discussed in 14<sup>th</sup> meeting of BoS and the minutes were confirmed.

### Item No 2

***Discuss and approve proposed syllabus for V<sup>th</sup> and VI<sup>th</sup> Semester as per NEP-2020.***

The syllabus was designed by respective course coordinators. In the DFB meetings all the faculties had presented their course syllabus. After discussions the syllabus was modified and then presented for discussion and approval of honorable members.

Honorable members suggested few changes in the contents like

- Shri. Prashant Bhosale and other members suggested to revise Industrial Automation syllabus as per old CSC syllabus and avoid repetition of topics with Process Instrumentation syllabus. They suggested to include positioners, actuators, etc. and more content about introduction of PLC and Sequence controls.
- Dr. M. R. Bongulwar asked to revise Analytical Instrumentation syllabus by referring the SPPU syllabus.
- Dr. R. D. Kokate and Shri. Prashant Bhosale suggested to include the design of panels in Instrumentation system design.
- Members also suggested to revise the last topic in Power Electronics syllabus i.e. Industrial Applications SCR control applications and add battery charging systems for Electric Vehicles etc.
- Dr. G. V. Lakhekar suggested to add advanced microcontrollers like STM32, Rasbery pi etc. in the Microcontroller and Applications subject.
- Members suggested revising name of Opto electronics Instrumentation as Fiber Optic electronics Instrumentation and update the syllabus as per recent trends. Add protocols and recent areas in digital communications like role of FOC in DCS/CCTV integration.
- Shri. Prashant Bhosale suggested including case study on smart grid, Energy management, green technology, Bio fuels etc. in Power Plant Instrumentation syllabus and revising last topic.

***Item No 3:***

***Any other point by the permission of chair.***

BoS has authorized Chairman, BoS and DFB to finalize the new curriculum/syllabus for V<sup>th</sup> and VI<sup>th</sup> Semester as per NEP2020 policy as per suggestions by APEC (Academic Program and Evaluation Committee), and AC (Academic Council).

-sd-

(Dr. S. S. Nerkar)  
Member Secretary,  
BOS Instrumentation  
Government College of Engineering,  
Jalgaon.

-sd-

Dr. G. M. Malwatkar  
Head of the Department/ Chairman  
BoS, Instrumentation  
Government College of Engineering,  
Jalgaon.

Copy (mail) to:

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

