



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON
(An Autonomous Institute of Government of Maharashtra)

NH-06, JALGAON – 425002, M.S.

Phone No.0257-2281522

Fax. No.0257-2281319

Email:- princoej@rediffmail.com

web:- www.gcoej.ac.in

No. GCOE J/INSTRU/BOS/2016/ 488

Date: 08/03/2017

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

Subject: Minutes of Meeting of the fifth Board of Studies of Instrumentation Department meet held on Saturday 18th February 2017.

Dear Sir/Madam,

The Fifth meeting of Board of Studies of Instrumentation Department was held on Saturday 18th February 2017. Following members were present for the meeting.

Dr. R. D. Kokate (Chairman BOS), Dr. G. M. Malwatkar, Prof. G. K. Andurkar (Invitee Member), Prof. A. M. Dongardive, Prof. S. S. Nerkar, Shirish Adam, Prof. Mahesh S. Patil, Prof. A. A. Ansari while, Dr. M. J. Patil, Dr. C. Y. Patil, Dr. B. B. Musmade, Prof. M. M. Akole, Mr. Sandip Sankpal and Mr. Sandeep Hanvate has communicated their absences due to emergency official work. Their leave was noted and absence was also 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 fourth meeting of Board of studies of Instrumentation Engineering Department held in the meeting hall of institute on Wednesday, September 28; 2016.

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

Item No 2

To note and approve the action taken by institute on the agenda points discussed and resolved in the earlier meetings of Examination Committee.

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

Item No 3

To note improvement/addition in the academic facilities of the department and other achievements of the department after the last meeting of the BOS.

BoS noted and appreciated the improvements/additions in academic facilities of the department and other achievements of the department after the fourth meeting of BoS. BOS is also of the opinion that

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01/03

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department should get the research lab approved as early as possible from university so that the faculties and students will get benefitted from the same.

Chairman informed members about the training programs conducted for the students since last BOS meet. BOS appreciated the initiatives taken by the department in organizing various training programs under TEQIP.

Item No 4

To note and discuss the Winter-2016 result and result analysis of sem III , sem IV of SY.BTech and sem V of TY.BTech Instrumentation Engineering. . (Agenda point presented by Hon. Result Analysis Coordinator)

The result of S.Y B. Tech and T.Y.B.Tech Instrumentation was discussed and members expressed their concern about poor result of course IN201 (Analog Circuit and Analysis), IN202 (Measurement Fundamentals), IN303 (Micro Controller and Applications). BOS suggested that remedial classes should be conducted for these courses if required.

Item No 5

To discuss and approve Final year curriculum (Syllabi) of UG program in Instrumentation Engineering for this Autonomous Institute. (Agenda point to be presented by Hon. Members of Departmental Faculty Board)

Course-wise syllabus of Final year BTech prepared by members of the Departmental Faculty Board has been discussed thoroughly. BOS suggested and approved following major corrections/changes in structure (Old and new structure of semester VII attached herewith)

- IN403 Project Planning and Estimation course Teaching scheme and Evaluation scheme changed and made same as other theory courses in semester VII
- Interdisciplinary elective IN404B course title changed to Virtual Instrumentation.
- Credits of IN410 Seminar reduced to 1.
- Teaching scheme Hrs/week of Project Phase-I increased to 4 Hrs/week as it is having 2 credits.
- Elective-II IN453D Neural Network and Fuzzy logic of semester VIII should be offered in semester VII as Elective-I IN405D.
- Elective-I IN405D Soft computing of semester VII should be offered in semester VIII as Elective-II IN453D.

Course-wise syllabus of Final year BTech has been approved.

Item No 6

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

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

02/03

Honorable members noted and recommended these changes and put forward it for approval in APEC.

Meeting concluded with vote of thanks by Shirish Adam.


(Shirish Adam)

Member Secretary, BOS Instrumentation
Government College of Engineering, Jalgaon


(Dr. R. D. Kokate)

Chairman, BOS Instrumentation
Government College of Engineering, Jalgaon

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

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON.

Department of Instrumentation Engineering.

Proposed Scheme for B. Tech. (Instrumentation Engineering)

SEM VII

Course Code	Name of the Course	Group	Teaching Scheme Hrs/week					Evaluation Scheme					Credits		
			Theory					Practical							
			TH	TUT	PR	Total	ISA	ISE1	ISE2	ESE	ICA	ESE		Total	
IN401	Digital Image Processing	D	3	-	-	3	10	15	15	60	-	-	-	100	3
IN402	Biomedical Instrumentation	D	3	-	-	3	10	15	15	60	-	-	-	100	3
IN403	Project Planning & Estimation	C	3	-	-	3	10	15	15	60	-	-	-	100	3
IN404	Interdisciplinary Elective	E	3	-	-	3	10	15	15	60	-	-	-	100	3
IN405	Elective-I	E	3	-	-	3	10	15	15	60	-	-	-	100	3
IN406	Digital Image Processing Lab	D	-	-	2	2	-	-	-	-	25	25	50	50	1
IN407	Biomedical Instrumentation Lab	D	-	-	2	2	-	-	-	-	25	25	50	50	1
IN408	Elective-I Lab	E	-	-	2	2	-	-	-	-	25	25	50	50	1
IN409	Project Phase - I	D	-	-	4	4	-	-	-	-	50	25	75	25	2
IN410	Seminar	D	-	-	2	2	-	-	-	-	25	-	25	25	1
IN411	Self Study -III	D	-	-	-	-	-	-	-	-	-	-	-	50**	2
	Total	Total	15	---	12	27	50	75	75	300	150	100	800	800	23

TH: Theory Lecture,

TUT: Tutorial,

PR: Practical

ISA :Internal Sessional Assessment

ISE : In Semester Examination

ESE: End Semester Examination

ICA : Internal Continuous Assessment

Interdisciplinary Elective

Elective I

A PLC and DCS

A Industrial Drives and Control

B Virtual Instrumentation

B Environmental Instrumentation

C Fiber Optics and Laser Instrumentation

D ~~Soft-Computing~~ **Neural Network & fuzzy logic.**

- **Marks and hence grade of course Self Study shall be based on one test each conducted on 20% syllabus of five subjects-IN401, IN402, IN403, IN 404, IN405. One faculty member should be appointed as course coordinator for the course 'self study' to compile the marks of all tests and enter in to MIS.
- The 20% syllabus for self - study shall be declared by subject teacher at the beginning of semester and he/she shall conduct the test examination for that course, assess answer papers of test examination and submit the marks to course coordinator.