

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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No. GCOE J/INSTRU/BOS/2013/

Date: 28/04/2013

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

Subject: Minutes of Meeting of the first Board of Studies of Instrumentation Department meet, held on Saturday April 27, 2013 at 11.30 am.

Dear Sir/Madam,

The first meeting of Board of Studies of Instrumentation Department, was held on Saturday April 27, 2013 at 11.30 am. Following members were present for the meeting.

Dr. G.G. Bhutada, (Chairman BOS), Prof. A. M. Dongardive, Prof. P. J. Gaidhane, Prof. S. S. Nerkar, Prof. D. B. Trimukhe, Prof. A.A. Ansari, Prof. M. M. Akole, Shri. S. D. Sankpal, Shri. Dhiraj Magare.

Prof C.Y. Patil, communicated his absences due to emergency official work and hence his 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 suggestion and conclusion were drawn unanimously which are given below

Item No 1:

To note the G.Rs. related to the formation of BoM for this institute, its composition and the G.R. related to the selection of this institute under TEQIP phase II for sub component I.1.

----- Chairman, briefed to all members about TEQIP phase II Project and related GR and point was noted.

Item No 2:

To note the G.R. related to Governance of 100% aided Deemed to be Universities, Government/ Government owned and Government aided Autonomous Colleges participating in Technical Education Quality Improvement Program. (23rd October, 2012)

----- Chairman, briefed to all members about governance of this institute through BoM and related GR. All related issue of governance was noted.

Item No 3:

To note and discuss the guidelines for autonomous colleges during the eleventh plan period 2007 - 12) published by UGC, New Delhi. (As modified up to 23rd November 2012)

-----Complete documents of above guidelines for autonomous colleges were discussed and noted.

Item No 4:

To note the complete composition of Academic Council and composition of Instrumentation board of studies as approved by BoM of this institute.

-----As per the guidelines for autonomous colleges published by UGC, composition of Academic Council and composition of board of studies, Instrumentation were discussed and various nomination in the BOS structure were noted. At the same time, Recently, nomination of Prof. M.M. Akole received from Vice Chancellor on the board of study was noted.

Item No 5:

To note the proposal of permanent affiliation and that of autonomy submitted to NMU, Jalgaon and to note its current status.

---Chairman, briefed to all members about action taken for getting autonomy to this institute and current status. In this it has been noted that as 2(F) certification and permanent affiliation of NMU has been received, proposal for getting autonomy to this institute has been recommended and forwarded to UGC. Only condition of submitting proposal of NBA accreditation is going to fulfilled within near future.

Item No 6:

To discuss and note curriculum structure of first year UG Programme (common for all programmes) for this proposed autonomous institute.

--- Curriculum structure of first year UG Program were discussed at length. After due consideration following point were suggested.

- 1) Title of subject computer science shall be appropriately modified as per contents in the syllabus.
- 2) All members noted and well accepted the decision of non inclusion of subjects like Elements of civil engineering and Elements of mechanical engineering in the approved structure of first year UG program.
- 3) Concern was expressed by the members that similar subject shall be taught to all UG program simultaneously. If it is not possible, at least sequence of all subject in their final mark list of the year shall be same.
- 4) Workshop I and II shall be reduced to only one and if not possible at least recent trends and skill shall be added in the syllabi of this subject.
- 5) Query was raised by the members about separate passing criteria of internal continuous evaluation and ESE evaluation. It was of the opinion that there shall be separate passing criteria. Hence, Chairman has mention that this point will be submitted for discussion at proper forum

Item No 7:


To discuss and approve curriculum structure of UG Programme in Instrumentation Engineering for this proposed autonomous institute.

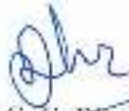
--- Uniform approved Curriculum structure of UG Program were discussed and keeping view of recent trend in Instrumentation Engineering, proper subject were included at various level of this UG Program and whole structured with proper subject has been prepared and approved as enclosed in annexure-1, except with the suggestion that industrial training shall be included in the curriculum possibly in the vacation of second and/or third year. Some points were noted about detailing of the syllabus and chairman assured that proper care will be taken while designing the course contents.

Item No 8:

Any other point by the permission of chair.

---With the permission of chair, Vision, mission, Program Educational objectives and program outcomes of the departments are discussed and it was noted that these issues are properly addressed in the curriculum of the department so as to fulfill those to the maximum extent.


(Prof. A. M. Dongardive)
Member Secretary- Instrumentation BOS
Government College of Engineering, Jalgaon


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

Copy To: 1) Honorable Chairman Academic council.

2) Dean, Academic

3) All Hon. members

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No. GCOE J/INSTRU/BOS/2015/

Date: 18/04/2015

To,

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

Subject: Minutes of Meeting of the second Board of Studies of Instrumentation Department meet held on Saturday April 11, 2015 at 11.30 am.

Dear Sir/Madam,

The second meeting of Board of Studies of Instrumentation Department was held on Saturday April 11, 2015 at 11.30 am. Following members were present for the meeting.

Prof. A. M. Dongardive, (Chairman BOS), Prof. P. J. Gaidhane, Prof. S G Adam, Prof. S. S. Nerkar, Prof. A.A. Ansari, Prof Dr. C.Y. Patil, Prof. M. M. Akole, Shri. S. D. Sankpal while

Dr. R.S. Holambe, communicated his absences due to emergency official work and hence his leave was noted and Prof. M. S. Patil's, Shri Dr. Bhushan Patil and Mr. Dhiraj Magare's 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 suggestion and conclusion were drawn unanimously which are given below

Item No 1:

To read and confirm Minutes of meeting of last BOS meeting.

----- Chairman, briefed to all members about the discussion and actions on the minutes of meeting of first 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 first meeting of BoS.

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

Item No 3:

To note and discuss the Revised Board of Studies Instrumentation Engineering, Academic Programme Evaluation Committee (APEC) and Academic Council (AC) as approved by Academic Council in its second meeting held on 20/09/2014.

---BoS noted the modified constitution of Board of Studies Instrumentation Engineering, Academic Programme Evaluation Committee (APEC) and Academic Council (AC) as approved by Academic Council in its second meeting held on 20/09/2014.

Item No 4:

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

--- BoS noted and appreciated the improvements/additions in academic facilities of the department and other achievements of the department after the first meeting of BoS..

Item No 5:

To note and approve curriculum of First Year of UG Programme in Instrumentation Engineering for this autonomous institute.

---The curriculum of First Year of UG Programme in Instrumentation Engineering for this autonomous institute was noted and approved by BOS.

Item No 6:

To note and discuss the examination rules for this autonomous institute as approved by Academic Council in its second meeting held on 20/09/2014.

--- BoS noted and discussed the examination rules for this autonomous institute as approved by Academic Council in its second meeting held on 20/09/2014.

Item No 7:

To discuss and approve second year curriculum (Syllabi) of UG programme in Instrumentation engineering for this autonomous institute.

--- Discussion on the curriculum was started with subject electrical machines and networks.

- The members suggested generalizing the headings e.g. DC machines, AC machines etc. Mr. Sankpal suggested to revise DC generator topic and add CT and PT in the curriculum.
- In the curriculum of ACA it was suggested to change the sequence of FET and add H Parameters and modeling in it.
- Measurement Fundamentals curriculum was finalized.
- For CMP Prof. C Y Patil suggested making the curriculum application oriented
- For S & S, Prof. C Y Patil suggested to modify the last topic in curriculum.
- Mr Sankpal suggested to add safety instruments and IEC standards in the curriculum.
- The members suggested to modify the titles of experiments in the laboratory courses.

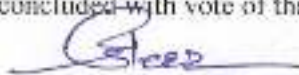
It was decided in the meet to modify the curriculum as per above suggestions and put forward for approval of forth coming Academic Council meeting.

Item No 8:

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

---BOS. discussed about the formation of panel of experts and course coordinators for various courses in second Year Instrumentation curriculum and the course coordinators proposed were approved by the BOS.

Meeting concluded with vote of thanks by Prof. S.S. Nerkar



(Sachin S Nerkar)

Member Secretary, Instrumentation BOS
Government College of Engineering, Jalgaon



(Prof. A. M. Dongardive)

Chairman, Instrumentation BOS
Government College of Engineering, Jalgaon

Copy To: 1) Honorable Chairman Academic council.

2) Dean, Academics

3) All Hon. Members

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No, GCOE J/INSTRU/BOS/2016/

Date: 22/04/2016

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

Subject: Minutes of Meeting of the Third Board of Studies of Instrumentation Department meet held on Saturday April 19, 2016 at 11.00 am.

Dear Sir/Madam,

The Third meeting of Board of Studies of Instrumentation Department was held on Saturday April 19, 2016 at 11.00 am. Following members were present for the meeting.

Prof. A. M. Dongardive, (Chairman BOS), Prof. S. S. Nerkar, Prof. A.A. Ansari, Prof. M. S. Patil, Prof. A A Vatane, Ku. C. R. Patil, Ku. Shikha Chaudhari, Prof. M. M. Akole, Prof. G. K. Andurkar (Invited Member) while Dr. R.S. Holambe, Dr. C. Y. Patil, Mr. Sandip Sankpal and Mr. Dhiraj Magare communicated their absences due to emergency official work and hence 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 Minutes of meeting of last BOS meeting.

-- Chairman, briefed to all members about the discussion and actions on the minutes of meeting of Second 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 Second meeting of BoS.

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

Item No 3:

To note the G.R. of formation of New Board of Management of institute on 13/01/2016.

--BoS noted the G.R. of formation of New Board of Management of institute on 13/01/2016 and appreciated efforts of last BoM for overall development of Institute.

Item No 4:

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

-- BoS noted and appreciated the improvements/additions in academic facilities of the department and other achievements of the department after the second meeting of BoS. Chairman informed members about additional sanction of five crore grant under TEQIP. Members congratulated TEQIP team of institute for excellent performance and getting funds in first phase of top performing institute in India.

BOS-4/BOE/5/32

Chairman also discussed the revised budget allocation and list of equipment approved for additional 20 Lacs budget allotted to the department

Item No 5:

To note and discuss the Result and result analysis of Sem III of S.Y. B Tech Instrumentation.

--The result for third semester of S.Y B. Tech Instrumentation was discussed and members expressed their concern about poor result of analog circuits and analysis subject and suggested to carry remedial classes under TEQIP to improve the result.

Item No 6:

To discuss and approve Third year curriculum (Syllabi) of UG programme in Instrumentation engineering for this autonomous institute.

--- Discussion on the curriculum was started with discussion on the scheme and subject industrial automation and management. Members suggested following recommendation/ changes in proposed curriculum contents.

- The members suggested the title of the content of first topic in M & A should be evolution of microcontrollers and last topic should be introduction to PIC microcontroller. Applications of microcontroller should be included in the contents.
- In the curriculum of Digital Control System the course objectives shall be properly designed and a last topic shall be added as introduction to Fuzzy logic/Neural Systems/Soft computing.
- In the course of Control System Components the PLC shall be removed because it is already there in subject IA&M
- In the curriculum of DSP in FFT algorithms, Cosine Wavelet Transform shall be added.
- In the curriculum of DC&T the topic for demodulation technique shall be added.
- In the Lab course of DSP along with MATLAB open source software shall be used for performance.
- In the lab course of Virtual Instrumentation some syllabus contents shall be added.

It was concluded to modify the curriculum as per above suggestions and put forward for approval of Academic Council.

Item No 7:

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

---BOS discussed about the formation of panel of experts and course coordinators for various courses in second Year Instrumentation curriculum and expressed satisfaction over active participation of most of the members. Honorable members authorized chairman for formation of panel of experts for T.Y.B. Tech curriculum.

Item No 8:

Any other point by the permission of chair.


- Honorable member Prof. Andurkar suggested for revision of scheme for first year by cancelling the Lab Course for EEE subject and modifying it to 3 credit theory subject.
- Ku. Chitra Patil forwarded suggestion of Prof. Adam for changing sequence and linearise the contents of subject computation method and programming.
- As the two years tenure of present BOS is over, Honorable chairman thanked and appreciated the contribution of all honorable members during the tenure. A new panel of

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new panel of BOS members was proposed and decided to recommend it to academic council for discussion and approval.

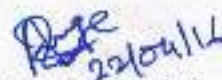
Honorable members noted and recommended these changes and put forward it for discussion in APEC.

Meeting concluded with vote of thanks by Prof. S.S. Nerkar



(Sachin S Nerkar)

Member Secretary, Instrumentation BOS
Government College of Engineering, Jalgaon



(Prof. A. M. Dongardive)

Chairman, Instrumentation BOS
Government College of Engineering, Jalgaon

Copy To: 1) Honorable Chairman Academic council.

2) Dean, Academics.

3) All Hon. Members.

BOS - 4 / BOE / 7 / 92

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उपकरण विभाग

शासकीय अभियांत्रिकी महाविद्यालय, जलगाव



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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No. GCOE J/INSTRU/BOS/2016/ 237

Date: ~~22/04/2016~~

10/11/2016

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

Subject: Minutes of Meeting of the Third Board of Studies of Instrumentation Department meet held on Wednesday 28th September 2016.

Dear Sir/Madam,

The Fourth meeting of Board of Studies of Instrumentation Department was held on Wednesday 28th September 2016. Following members were present for the meeting.

Dr. R. D. Kokate (Chairman BOS), Dr. G. M. Malwatkar, Dr. Nitin J. Patil (Member, from other Institute), Prof. A. M. Dongardive, Prof. S. S. Nerkar, Shirish Adam, Prof. Mahesh S. Patil, while Prof. A. A. Ansari, 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 third meeting of Board of studies of Instrumentation Engineering Department held in the meeting hall of institute on Saturday, April 19; 2016.

Chairman briefed to all members about the discussions and actions on the minutes of meeting of third 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 third 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 third meeting of BoS. BOS has noted and welcomed the new

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senior faculties Dr. R. D. Kokate and Dr. G. M. Malwatkar who joined the department recently. BOS is also of the opinion that 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 result and result analysis of sem III and sem IV of SY.BTech Instrumentation Engineering. . (Agenda point presented by Hon. Result Analysis Coordinator)

The result for third semester of S.Y B. Tech Instrumentation was discussed and members expressed their concern about poor result of course IN254 (Sensors and Transducers). BOS suggested that senior faculty should be appointed for this course and practical oriented training should be arranged.

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 B.Tech prepared by members of the Departmental Faculty Board has been discussed thoroughly. Members suggested following recommendation/ changes in proposed curriculum contents.

Related to all courses-

- Course Description, Course objectives and Course outcomes should be defined / edited properly as per the course contents.
- PO mapping should be done properly for all courses as per NBA guidelines.
- Standard publication books to be referred for the designing syllabus and incorporating the same as text books.
- Text books (only 2-3) and Reference books should be given separately.
- For lab courses the availability of current laboratory equipments/infrastructure should be checked. If any shortfall as per the syllabus designed, list should be put before next BOS.
- Number of experiments/practical for lab courses should not be less than ten.

Name of course	Recommendation/ changes
IN401 Digital Image Processing.	Wavelet transform should be added.
IN402 Biomedical Instrumentation	Course description to be edited.
IN403 Project Planning and Estimation	Project management unit to be removed from the course content. In-tools software to be added. The course content of IN301 Industrial Automation and Management and SH 351 Entrepreneurship and Business Management should be checked for finalizing the syllabus of this course.
IN404A PLC & DCS (Interdisciplinary Elective)	Title of section Industrial Applications of Automation Tools Should be replaced by Industrial Communication and Protocols Plant section should be labelled as Industrial Applications Final unit/section should be finalised and put before next BOS.

IN404B Virtual Instrumentation and LabView (Interdisciplinary Elective)	Dr. G. M. Malwatkar has raised the point that the course title should not have the name of particular software though it is being used for the course. The title of IN404B Virtual Instrumentation And Labview should be changed as IN404B Virtual Instrumentation. External member Dr. Nitin J. Patil suggested that title can be changed but the course contents related to the software should not be removed, as it is the extensively used software in the field of Virtual Instrumentation. Department Faculty Board (DFB) should give a thought on title and content.
IN405A Industrial Drives And Control	Course Contents approved
IN405B Environment Instrumentation	Importance of subject and general application areas should be mentioned.
IN405C Fiber Optics And Laser Instrumentation	Course title may be changed to Optical Instrumentation. Contents should be added / refined.
IN405D Soft Computing	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS. Programming tools and optimization techniques may be added.
IN406 Digital Image Processing Lab	Minimum practicals should be ten. Only Study practical should be replaced by design and implement. Segmentation and other practicals may be added.
IN407 Biomedical Instrumentation Lab	Course Contents approved
IN408A Industrial Drives And Control Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN408B Environment Instrumentation Lab	Course Contents approved
IN408C Fiber Optics And Laser Instrumentation Lab	
IN408D Soft Computing Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN409 Project Phase-I	BOS suggested that Project must be divided into stages. Project coordinator will finalise the evaluation method that should be put before the next BOS. There should be some Industry sponsored projects.
IN410 Seminar	The evaluation method for this course should to be finalized and should be put in next BOS meeting
IN451 Instrumentation System Design	Refinement in reliability section and PCB designing should be removed.
IN452 Process Instrumentation	From Analysis of control loop section SLP features, faceplate, functions, MLPC features, faceplate, functions, SLP and MLPC comparison. Scaling: types of scaling, examples of scaling may be removed.

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	<p>From feedback control Correlations for tuning Constants, Fine Tuning of the controller tuning Constants may be removed.</p> <p>From Multi-loop and nonlinear systems section Controller Algorithm and Tuning may be removed, Process control design section may be removed and Nonlinear control may be added.</p>
IN453A Power Plant Instrumentation	Title of section Boiler Ancillaries to be changed to Thermal Power Plant, Boiler Control to be changed to Boiler Instrumentation.
IN453B Agriculture Instrumentation	<p>Titles to be added to each section. Rearrange the flow of sections. Preferably Seciton1- Seciton3- Seciton2- Seciton4- Seciton5- Seciton6</p> <p>Text books to be added</p>
IN453C Computer Networks	Titles to be added two some sections. Text books to be added
IN453D Neural Network & Fuzzy Logic Instrumentation	No units' concept so to be removed. Section I and section II to be clubbed in one section. Section III and section IV to be clubbed in one section.
IN454A Optimal And Adaptive Control	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN454 B Nano Instrumentation	<p>BOS approved the change in the title of the course to MEMS and Nano Instrumentation.</p> <p>Syllabus to be changed accordingly.</p>
IN454C Automotive Instrumentation	Section related to Introduction to Automobile industry and Plant to be added in first section.
IN454D Embedded Systems	E&Tc boards' syllabus may be referred before finalization of syllabus of this course.
IN455 Instrumentation System Design Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN456 Processs Instrumentation Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN457A Power Plant Instrumentation Lab Elective-II Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN457B Agriculture Instrumentation Elective-II Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN457C Computer Networks Lab Elective-II Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.
IN457D Neural Network & Fuzzy Logic Instrumentation Lab Elective-II Lab	Syllabus of this course has not been put before this BOS. It should be finalized and put before the next BOS.

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.

Item No 7

Any other point by the permission of chair-

- 7.1 BOS approved the change in the title of the course to MEMS and Nano Instrumentation.
- 7.2 The changes suggested in IN203 Computational Methods and Programming course has been approved by BOS.

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) 10/11/2016.

Member Secretary, BOS Instrumentation
Government College of Engineering, Jalgaon


(Dr. R. D. Kokate)

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.



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Government of Maharashtra)

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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 Sunkpal 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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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			Total				
			TH	TUT	PR	Total	ISA	ISE1	ISE2	ESE		ICA	ESE		
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	75	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	23	

TH: Theory Lecture,

ISA : Internal Sessional Assessment

TUT: Tutorial,

ISE : In Semester Examination

PR: Practical

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.



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No. GCOE J/INSTRU/BOS/2017/

Date: 07/09/2017

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

Subject: Minutes of Meeting of the sixth Board of Studies of Instrumentation Department meet held on Monday 28th August 2017.

Dear Sir/Madam,

The sixth meeting of Board of Studies of Instrumentation Department was held on Monday 28th August 2017. Following members were present for the meeting.

Dr. R. D. Kokate (Chairman BOS), Dr. G. M. Malwatkar, Prof. Prof. A. M. Dongardive, Shirish Adam, Prof. S. S. Nerkar, Prof. Mahesh S. Patil, Prof. A. A. Ansari, Dr. M. J. Patil, while 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 Fifth meeting of Board of studies of Instrumentation Engineering Department held in the meeting hall of Institute on Saturday, February 18th; 2017.

Chairman briefed to all members about the actions on the minutes of meeting of fifth 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 Fifth meeting of BoS.

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

Item No 3

To note Improvements/additions in academic facilities of the department and other achievements of the department after the fifth meeting of BoS.

372/653

01/03

1/5

Chairman briefed that, TEQIP-II project has been closed and institute has not qualified for the TEQIP-III. Funds for advanced training (On areas other than curriculum) of students and faculty are not available. BoS noted the improvements/additions in academic facilities of the department and other achievements of the department after the fifth meeting of BoS. BOS has noted and welcomed the new faculties Prof. G. V. Lakhekar, Prof. S. R. Shiledar, Prof. Harsha Mokadam who joined the department recently.

Item No 4

To discuss and approve the equivalence for NMU to Autonomy admissions.

BOS has approved the table of equivalence for NMU to Autonomy Admissions. The exemption to following courses for NMU to Autonomy students admitted in VIIIth sem has been approved by BOS,

- a. IN403 Project planning & Estimation (sem VII)
- b. IN452 Process Instrumentation (sem VIII)
- c. IN456 Process Instrumentation Lab (sem VIII)

But students have to appear for TH-ESE examination of the following theory audit courses without ISA, ISE-1 and ISE-2 in sem VII.

- a. AU IN305 Instrumentation in unit operations
- b. AUIIN301 Industrial Automation and Management

And Students also have to appear for PR-ESE examination of the following practical audit course.

- a. AUIIN307 Industrial Automation and Management Lab

NMU to Autonomy students will register for less than 23 credits due to exemption. The grade card will reflect less than 23 credits for a semester. Dr. N. J. Patil suggested that-

1. Suitable changes in grade card should be done at Institute level for showing the exemption credits.
2. Separate certificate/document can be issued by Academic and Examination cell showing consolidated exemption list for all branches.

Item No 5

To note and discuss the Summer-2017 and Re-exam 2017 result and result analysis of S.Y. B Tech and T.Y. B Tech Instrumentation.

As per suggestion from Dr. N. J. Patil, in result analysis, there should be clear count of students promoted from lower class to higher class.

BOS is of the opinion that the courses for which the passing percentage is less in first attempt should be taught by senior faculty member in the department. Signals and Systems course should be offered to SYB Tech students by senior faculty member in the department.

Item No 6

Add course on measurement and instrumentation to First year. To discuss choice based credit system curriculum (Syllabi) of UG programme in Instrumentation engineering of various other autonomous institutes and finalize the plan for this autonomous institute.

BOS has discussed the structure and syllabus of following Institutes where CBCS has been implemented-

- a. College of Engineering, Pune
- b. SGGS Institute of Engineering and Technology, Nanded
- c. NIT, Tiruchirappalli

And suggested following modifications related to first year in CBCS-

1. The 50 % contents of course ET101 (Basic Electronics Engineering) offered in first year are already covered in class XIIth (Physics II syllabus), so the new course related to measurement and instrumentation should be offered to all the first year students. The title of the course should be Measurement Fundamentals.
2. Engineering Mechanics course is not required for Instrumentation Engineering students, so in CBCS the alternative option for the same should be provided and Engineering Graphics syllabus should be updated to include the CAD (Computer Aided Design) practical.
3. Workshop Practice- I and Workshop Practice- II contents should be separated as per the requirement of Electrical/allied branches and Mechanical/allied branches.

Item No 7

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, third and final 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, third and final year Instrumentation curriculum has been discussed and BOS approved the same.

Item No 8

Any other point

The BOS proposes following addition to R14.8 of Autonomy rule (related to eligibility of student for make-up examination) that if father/mother of student has been hospitalized, the student will be allowed for make-up examination if the application is supported by adequate evidence.

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.

374/255

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