



Dr. Ambedkar Institute of Technology, Bangalore – 56

Department of Electronics & Instrumentation Engineering

The attached documents are valid and approved.

Handwritten signature

Prof. & Head

5/11/22

Professor & Head

Department of Electronics

Instrumentation Engineering

Dr. Ambedkar Institute of Technology

Bangalore - 560 056



Panchajanya Vidya Peetha Welfare Trust (Regd)

Dr. Ambedkar Institute of Technology

An Autonomous Institution, Affiliated to Visvesvaraya Technological University, Belagavi,
Aided by Govt. of Karnataka, Approved by All India Council for Technical Education (AICTE), New Delhi
Accredited by NBA and NAAC with 'A' Grade

BDA Outer Ring Road, Mallathalli, Bengaluru - 560 056

Ref. No.

Date :

BOS approval is taken to introduce the following subjects

Sl no.	Subject code	Subject title	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1.	Digital System Design	18EI32	Employability
2.	Digital System Design Lab	18EIL37	Employability
3.	Microcontroller and Applications	18EI43	Employability
4.	Microcontroller lab	18EIL47	Employability
5.	IoT and Wireless Sensor Network	18EI71	Employability/ Entrepreneurship
6.	IoT Lab	18EIL77	Employability/ Entrepreneurship
7.	Virtual Instrumentation	18EI562	Employability
8.	Machine Learning using Python Programming	18 EI 643	Employability


BOS Chairman


Principal

Dr. AIT/IT/115 /2018 - 2019
Date: 18.06.2018

Dr Ambedkar Institute of Technology, Bangalore - 560056
(An Autonomous Institute Affiliated to VTU Belgaum)
Department of Instrumentation Technology

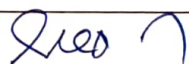
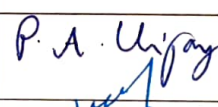
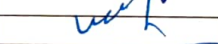

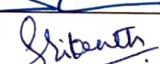
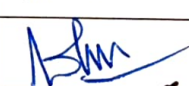

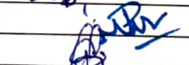
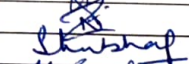
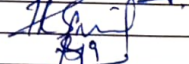
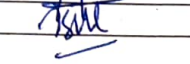




18-06-2018

BOS Meeting

Agenda of the Meeting:

1. Finalize the Scheme 3rd to 8th semester of 2018-19 batch
2. Finalize the Syllabus Content of 7th and 8th Sem of 2015 – 16 Batch
3. Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2016 – 17 Batch
4. Finalize the Scheme & Syllabus Content of 3rd and 4th Sem of 2017 –18 Batch
5. Finalize the Syllabus Content of 3rd and 4th Sem M.Tech Electronics of 2017 – 18 Batch
6. Finalize the Scheme & Syllabus Content of 1st and 2nd Sem M.Tech Electronics of 2018 – 19 Batch
7. Defining Subject equivalences to the students admitted in different academic years
8. Approval of BOE Members and Examiners for theory and Practical examinations
9. Approval of PSOs, Vision, Mission of the Department

BOS Members

Sl. No.	Name and Address	Position	Signature
1	Dr. M. Meenakshi, Professor and Head, IT, Dr. AIT, Bangalore	Chairman	
2	Dr. N C Shivaprakash Dept. of IT & Applied Physics IISc, Bangalore	Subject Expert	ABSENT
3	Dr. K B Raja Professor, Dept. of EC, UVCE, Bangalore	Subject Expert	ABSENT
4	Dr PA Vijaya Professor, Dept. of EC, BNMIT, Bangalore	Subject Expert	
5	Dr. Mallikarjuna Holi, UBDT Davanagere	VTU Nominee	
6	Dr. K. Shailaja Professor, I.T, SJCE, Mysore.	Subject Expert	
7	Mr. Srikanth K S Honeywell Technology Solutions Lab Pvt Ltd.	Industry Representative	
8	Mr. Arunkumar R K Senior Consultant, Siemens	Industry Representative	ABSENT
9	Mr. Venugopal Vinjay Automaton, Bangalore	Industry Representative	
10	Dr. Jayanna SIT Tumkur	Alumni Representative	
11	Mr. Devaraju. G	Internal BOS member	
12	Mr. M Prasanna Kumar	Internal BOS member	
13	Mr. Ganapathi V Sagar	Internal BOS member	
14	Mrs. Sridevi. N	Internal BOS member	
15	Mrs. Shubha. P	Internal BOS member	
16	Mr. H. R. Sridhar Kumar	Internal BOS member	
17	Mrs. Soumya B S	Internal BOS member	
18	Mrs. Monika shree TS	Internal BOS member	

Dr Ambedkar Institute of Technology, Bangalore - 560056
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Department of Instrumentation Technology

18-06-2018

Minutes of the meeting

The BOS meeting for the finalization of scheme and syllabus of UG in Electronics and Instrumentation Engineering and PG in M.Tech Electronics is started at 10. 30AM by welcoming all BOS members by the Chairman BOS, Head of the Department

1. Finalize the Scheme of 3rd to 8th semester for 2018-19 Batch

BOS chairman informed all the members that as per guidelines of AICTE/VTU for the 2018 -19 academic year, the required credits to be earned by the students for the award of degree is 175. Also it is highlighted that 40 credits are allocated to 1st year courses. Remaining 135 credits are distributed from 3rd to 8th semester and a detailed scheme is prepared by following the college guidelines. 3rd to 8th semester draft scheme is presented before the BOS members for the discussion. The following suggestions are made by the members during the discussion.

1. A separate book can be maintained for tutorial classes and few books can be collected from the students for document purpose
2. To incorporate the basic fundamentals in the first year itself.
3. Few experiments related to fluid mechanics can be included in the transducers lab
4. Control system related topics can be demonstrated by conducting experiments like Bode plot etc.
5. In **Microcontroller MSP430 can be taught instead of 8051**
6. All the BOS members suggested to reduce the number of components in the 3rd and 4th semester because the number of courses in the 3rd and 4th semester is more compared to the higher semesters.
7. In the subject Embedded system one or two unit can have topic related to embedded system and the remaining units can be related to ARM processor
8. As the analytical instrumentation subject is more important for the students at least few important topics can be added in process instrumentation subject itself
9. Students can be allowed to do Interdisciplinary projects so that they will learn how other department subjects can be integrated to their own subjects
10. Discussed about whether to retain the subject VLSI design or not and finally decided to retain the subject as it will be useful for the students those who are going for PG.
11. DCS and IDC are the two important subjects for instrumentation engineers so all BOS members suggested to split and can have more weightage for the subjects
12. In place of Microcontroller lab simulation lab can be introduced if microcontroller subject is removed.
13. In wireless communication subject one unit can be IOT related topics and the subject can be renamed as wireless communication and IOT

2. Finalize the Scheme and syllabus of 3rd to 4th semester for 2017-18 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 3rd to 4th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 3rd to 4th Semester.

3. Finalize the Scheme & Syllabus Content of 5th and 6th SEM for 2016 – 17 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 5th to 6th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 5th and 6th Semester.

4. Finalize the Syllabus Content of 7th and 8th Sem for 2015 – 16 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 7th to 8th Sem to the BOS members and discussed to get their opinion. Discussion was held in related to the changes made in the Elective subject of 7th Semester: micro system and nano technology and the members approved the same.

All BOS members accepted the draft syllabus proposed for the forthcoming 7th and 8th Semester.

5. Finalize the Scheme & Syllabus Content of 1st and 2nd Sem M.Tech Electronics of 2018 - 19 Batch.

BOS chairman informed all the members that as per guidelines of AICTE/VTU for the 2018 -19 academic year, the required credits to be earned by the students for the award of degree is 88 and a detailed scheme is prepared by following the college guidelines. 1st to 4th semester tentative scheme is presented before the BOS members for the discussion. The following suggestions are made by the members during the discussion.

All BOS members suggested to follow the current (2018) VTU guidelines for PG and to retain 2017-18 Scheme and syllabus.

6. Finalize the Syllabus Content of 3rd and 4th Sem M.Tech Electronics for 2017 – 18 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 3rd and 4th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forth coming 3rd and 4th Semester.

7. Defining Subject equivalences to the students admitted in different academic years

The members suggested to define the subject equivalence as and when required and to get it ratified by the members in the immediate BOS meetings

8. Approval of BOE Members and Examiners for theory and Practical examinations of III, IV, V, VI, VII, VIII Sem Subjects

The list of examiners for 3rd – 8th Sem Subjects are made by discussing with BOS Members for the approval - **List enclosed**

9. Approval of PSOs, Vision, Mission of the Department

BOS Chairman informed the members that 4 Programme Specific outcomes (PSOs) are drafted for the UG programme in Electronics and Instrumentation Engineering by following NBA

guidelines and taking the feedback from the stakeholders. The tentative PSOs are presented before the members for the discussion/suggestions. Members approved the PSOs as presented (Copy enclosed)

The vision mission of the department is presented and discussed for any revision

All members suggested to retain the vision mission in the present form itself (Copy enclosed)

Actions Taken:

1. Finalize the Scheme of 3rd to 8th semester for 2018-19 Batch

Draft scheme of 3rd - 8th Semester for the 2018 – 19 batch is finalized by incorporating the suggestions given by the BOS members

2. Finalize the Scheme and syllabus of 3rd to 4th semester for 2017-18 Batch

The suggestions given by BOS members are incorporated and finalized the scheme and draft syllabus.

3. Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2016 – 17 Batch

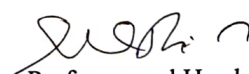
Finalized the draft syllabus as per the members suggestions

4. Finalize the Syllabus Content of 7th and 8th Sem for 2015 – 16 Batch

Finalized the draft syllabus of 7th and 8th Sem for 2015 – 16 Batch as per the members suggestions

All the above are approved and recommended by the BOS members.

Finally meeting concluded with the vote of thanks by the Chairman BOS.


Professor and Head
Professor & Head
Department of Instrumentation Technology
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Bangalore - 560 056.

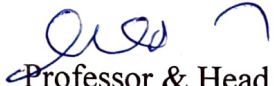
Dr. AIT/IT/346/2018-219
Date: 13-11-18

Dr Ambedkar Institute of Technology, Bangalore - 560056
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Department of Instrumentation Technology

Date: 13-11-2018

Details of BOS Members for the academic year 2019-2021

Sl. No.	Name and Address	Position
1	Dr. M. Meenakshi, Professor and Head, IT, Dr. AIT, Bangalore	Chairman
2	Dr. Arulmozhivarman. P	Subject Expert
3	Dr. Banuprashanth Professor, Dept of ML, BMSCE, Bangalore	Subject Expert
4	Dr Padmaja K Professor, Dept of EIE, RVCE, Bangalore	Subject Expert
5	Dr Rajashekar SJ Professor, Dept of EIE, DSCE, Bangalore	Subject Expert
6	Mr. Srikanth K S Honeywell Technology Solutions Lab Pvt Ltd.	Industry Representative
7	Mr. Abhinav A. Kalamdani, Sunlux Technologies Private Ltd. Bangalore	Industry Representative
8	Mr. Venugopal Vinjay Automaton, Bangalore	Industry Representative
9	Dr. Jayanna SIT Tumkur	Alumni Representative
10	Mr. Devaraju. G	Internal BOS member
11	Mr. M Prasanna Kumar	Internal BOS member
12	Dr. Ganapathi V Sagar	Internal BOS member
13	Mrs. Sridevi. N	Internal BOS member
14	Mrs. Shubha. P	Internal BOS member
15	Mr. H. R. Sridhar Kumar	Internal BOS member
16	Mrs. Soumya B S	Internal BOS member
17	Dr Ramesha K	Internal BOS member


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Department of Electronics and Instrumentation Engineering

22-05-2019

Minutes of the meeting

The BOS meeting is started at 10. 00 AM by welcoming all BOS members by the Head of the Department

1. Finalize the Scheme 3rd to 8th semester of 2019-20 batch

BOS chairman highlighted the scheme 3rd to 8th semester of 2019-20 to the BOS members and discussed to get their opinion.

The following points are highlighted by the BOS members

1. The subject in 3rd semester Fluid mechanics should be removed.
2. Soft skill can be renamed as communication skill
3. **The subject Micro-controller can be named as micro-controller and applications.**
4. Transducers and Measurements Lab can be named as sensors and signal conditioning circuit's lab in this fundamentals can be removed and real time experiments can be included.
5. **Virtual instrumentation lab can be introduced in 5th semester.**
6. The subject Chemical in instrumentation can be renamed as Instrumental methods of analysis.
7. For elective subject verticals should be put.
8. Technical seminar should be in 6th semester so that students can identify their project problem.

2. Finalize the Syllabus Content of 7th and 8thSem of 2016 – 17 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 7th to 8thSem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 7th and 8th Semester.

3. Finalize the Scheme & Syllabus Content of 5th and 6thSem of 2017 – 18 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 5th to 6thSem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 5th and 6th Semester.

4. Finalize the Syllabus Content of 3rd and 4thSem of 2018 –19 Batch

1. In the Subject Analog Electronic Circuits subject MOSFET related topics should be included instead of BJT
2. EMI can be introduced in any of the subject.
3. All BOS members suggested to include real time applications in all the subjects

5. Defining Subject equivalences and credit balance to the students admitted in different academic years

6. Approval of BOE Members and Examiners for theory and Practical examinations

The list of examiners for 3rd – 8th Sem Subjects are made by discussing with BOS Members for the approval -List enclosed

7. Finalize the Honor and Minor Scheme

All BOS members suggested to revise the Minor and Honor Subjects

Actions Taken:

1. Finalize the Scheme 3rd to 8th semester of 2019-20 batch

1. The subject in 3rd semester Fluid mechanics is replaced with Measurements and Instrumentation
2. The subject Micro-controller is renamed named as micro-controller and applications.
3. Transducers and Measurements Lab is named as sensors and signal conditioning circuits lab in this lab few real time experiments is included.
4. Virtual instrumentation lab is introduced in 5th semester.
5. The subject Chemical in Instrumentation is renamed as Instrumental methods of analysis.
6. Verticalshave introduced in elective subjects.
7. To include the Technical seminar in 6th semesteris not incorporated as it is the centralized decision.

2. Finalize the Syllabus Content of 7th and 8th Sem of 2016 – 17 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

3. Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2017 – 18 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

4. Finalize the Scheme & Syllabus Content of 3rd and 4th Sem of 2018 –19 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus scheme and draft syllabus.

5. Defining Subject equivalences and credit balance to the students admitted in different academic years

6. Approval of BOE Members and Examiners for theory and Practical examinations

The BOE Members and Examiners for theory and Practical examinations are approved from BOS members

7. Finalize the Honor and Minor Scheme

The Honor and Minor subjects are drafted as per the suggestion given by the BOS members

All the above are approved and recommended by the BOS members.

Finally meeting concluded with the vote of thanks by the Head of the Department.



Professor and Head,

Professor & He
Department of Electro
Instrumentation Engin
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Bangalore - 560 054

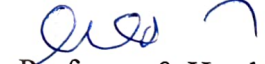
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Department of Instrumentation Technology

Date: 13-11-2018

Details of BOS Members for the academic year 2019-2021

Sl. No.	Name and Address	Position
1	Dr. M. Meenakshi, Professor and Head, IT, Dr. AIT, Bangalore	Chairman
2	Dr. Arulmozhivarman. P	Subject Expert
3	Dr. Banuprashanth Professor, Dept of ML, BMSCE, Bangalore	Subject Expert
4	Dr Padmaja K Professor, Dept of EIE, RVCE, Bangalore	Subject Expert
5	Dr Rajashekar SJ Professor, Dept of EIE, DSCE, Bangalore	Subject Expert
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7	Mr. Abhinav A. Kalamdani, Sunlux Technologies Private Ltd. Bangalore	Industry Representative
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Department of Electronics and Instrumentation Engineering

14-08-2020

Minutes of the meeting

The BOS meeting is started at 2.30 PM by welcoming all BOS members by the BOS chairman

Before discussing the actual agenda of the 11th BOS meeting, the members were briefed about the minutes of 10th BOS meeting held on 22-05-2019 and its action taken report. All members approved the same

Agenda 1: Finalize the Scheme 3rd to 8th semester of 2018-19 batch

BOS chairman highlighted the proposed scheme of 3rd to 8th semester for 2018-19 Batch to the BOS members and discussed to get their opinion.

The following points are highlighted by the BOS members

1. All BOS members suggested to make Advanced Control System as core subject instead of professional elective
2. The subject Instrumental methods of analysis can be renamed to Analytical Instrumentation as this is the familiar name, anyone can understand the topics in that subject
3. All BOS members suggested to shift the subject Instrumental methods of analysis to elective, as it is not included in the gate examination.
4. The subject Embedded system design can be suitably renamed instead of generic name.

Agenda 2: Finalize the Syllabus Content of 7th and 8th Sem of 2017 – 18 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 7th to 8th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 7th and 8th Semester.

Agenda 3: Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2018 – 19 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 5th to 6th Sem to the BOS members and discussed to get their opinion.

The following points are highlighted by the BOS members

1. All BOS members expressed that In the Digital signal processing subject if MATLAB program is indicated in the syllabus content, open ended questions will be framed on that topic.
2. BOS members suggested to have maximum of two text books, remaining books can be the reference books
3. The subject process control system can be renamed as Process Automation and Control

4. In the subject process control system unit 2&3 can be merged and 5th unit safety instrumentation can be introduced as it is very much needed for instrumentation engineers
5. BOS members suggested to include applications/case studies related to instrumentation in the subject C++ and data structures.
6. In the subject Biomedical Instrumentation BOS members suggested to include understanding of Diagnostic systems.
7. BOS members suggested to include fundamental concepts of drives, before teaching drives in the subject Power Electronics and Drives so that students will understand the concept better.
8. In the subject Power Electronics and Drives BOS members suggested to include MOSFET
9. BOS members suggested to replace the detail syllabus with main headings of the topic in the subject Digital image processing.
10. In the Digital Signal Processing Lab BOS members suggested to have real time processing experiments.
11. BOS members suggested to include topics like wiring diagram, I/O cards in the subject PLC and SCADA .
12. In the subject advance control system BOS members suggested to include the topics like system identification or multivariable control.
13. In the subject Embedded systems design, BOS members expressed to include the topic DMI along with interrupts

Agenda 4: Finalize the Syllabus Content of 3rd and 4th Sem of 2019 –20 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 3rd and 4th Sem to the BOS members and discussed to get their opinion.
All BOS members accepted the draft syllabus proposed for the forthcoming 3rd and 4th Semester.

Agenda 5: Defining Subject equivalences and credit balance to the students admitted in different academic years

BOS chairman informed the members regarding the need of defining the subject equivalences to the students re admitting with other batch students.
All members suggested presenting such cases and getting the approval as and when required.

Agenda 6: Approval of BOE Members and Examiners for theory and Practical examinations

The list of examiners for 3rd – 8th Sem Subjects are made by discussing with BOS Members for the approval -List enclosed

Agenda 7: Finalize the Vision, Mission, PEO and PSO

BOS chairman highlighted the revised vision, mission PEO and PSOs of the department and the BOS members approved the same.

8. Any Other Issue:

All BOS members informed the adoption of blended teaching learning process in all courses from 2020-2021 onwards

Actions Taken for:

Agenda 1: Finalize the Scheme 3rd to 8th semester of 2018-19 batch

1. The subject Advanced Control System is made a core subject in 6th semester
2. The subject Instrumental methods of analysis renamed as Analytical Instrumentation
3. The subject Analytical Instrumentation is shifted to elective group in 7th semester.
4. The subject Embedded system design can be suitably renamed as **Embedded Systems using ARM controller.**

Agenda 2: Finalize the Syllabus Content of 7th and 8th Sem of 2016 – 17 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 3: Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2017 – 18 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 4: Finalize the Scheme & Syllabus Content of 3rd and 4th Sem of 2018 –19 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus scheme and draft syllabus.

Agenda 5: Defining Subject equivalences and credit balance to the students admitted in different academic years

Member's suggestion is noted.

Agenda 6: Approval of BOE Members and Examiners for theory and Practical examinations

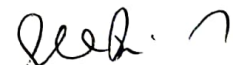
The BOE Members and Examiners for theory and Practical examinations are approved from BOS members – List enclosed

Agenda 7: Finalize the Vision, Mission, PEO and PSO

Member's suggestion is noted and finalized the vision & Mission of the department and PEO and PSO of the programme.

All the above are approved and recommended by the BOS members.

Finally meeting concluded with the vote of thanks by the Head of the Department.



Professor and Head,
Professor & Head
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Dr. AIT/IT/346/2018-219
Date: 13-11-18

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Details of BOS Members for the academic year 2019-2021

Sl. No.	Name and Address	Position
1	Dr. M. Meenakshi, Professor and Head, IT, Dr. AIT, Bangalore	Chairman
2	Dr. Arulmozhivarman. P	Subject Expert
3	Dr. Banuprashanth Professor, Dept of ML, BMSCE, Bangalore	Subject Expert
4	Dr Padmaja K Professor, Dept of EIE, RVCE, Bangalore	Subject Expert
5	Dr Rajashekar SJ Professor, Dept of EIE, DSCE, Bangalore	Subject Expert
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12	Dr. Ganapathi V Sagar	Internal BOS member
13	Mrs. Sridevi. N	Internal BOS member
14	Mrs. Shubha. P	Internal BOS member
15	Mr. H. R. Sridhar Kumar	Internal BOS member
16	Mrs. Soumya B S	Internal BOS member
17	Dr Ramesha K	Internal BOS member


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Department of Electronics and Instrumentation Engineering

24-06-2021

Minutes of the meeting

The BOS meeting is started at 10.00 AM by welcoming all BOS members by the BOS chairman

Before discussing the actual agenda of the 12th BOS meeting, the members were briefed about the minutes of 11th BOS meeting held on 14-08-2020 and its action taken report. All members approved the same

Agenda 1: Finalize the Scheme 3rd to 8th semester of 2021-22 batch

BOS chairman highlighted the proposed scheme of 3rd to 8th semester for 2021-22 Batch to the BOS members. All BOS members accepted the scheme.

Agenda 2: Finalize the Syllabus Content of 7th and 8th Sem of 2018 – 19 Batch and old Batches falling under 200 credits Scheme (Parallel Batch)

BOS chairman highlighted the scheme and the draft syllabus of the 7th to 8th Sem to the BOS members and discussed to get their opinion.

The BOS members highlighted the following points

1. All BOS members expressed to have easy subjects in 7th semester
2. All members suggested to form a verticals for elective subjects
3. Members suggested to include Open elective subjects as building automation, industrial automation, industrial 4.0
4. BOS members expressed to replace the Optical instrumentation subject in the open elective with industrial and process automation that should start with electrical, mechanical and electronics automation because it is too narrow and specific
5. Members expressed to rename the title of the subject Instrumentation and Measurements with Instrumentation and Measurement techniques
6. All members expressed that the Technical seminar must be continuous evaluation at least two presentation must be there
7. Also members suggested that Technical seminar first presentation can be CIE and the second presentation can be SEE
8. Members of BOS suggested in **IOT & Wireless sensor network subject** syllabus is more should be revamped reduced and few case study like Agriculture, environment and pharmaceutical can be included
9. All members expressed to revise the Text book edition in all the subjects
10. Members suggested to reduce the objective in 18E172 also suggested to refer the text book Liptak to frame the syllabus for 18E172
11. BOS members expressed to Make 2 units on protocols and remaining on DCS in subject 18E172

For the 200 credit parallel batch, students BOS members accepted the syllabus content

Agenda 3: Finalize the Syllabus Content of 5th and 6th Sem of 2019 – 20 Batch and old Batches falling under 200

BOS chairman highlighted the scheme and the draft syllabus of the 5th to 6th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 5th and 6th Sem of 2019 – 20 Batch and old Batches falling under 200

Agenda 4: Finalize the Syllabus Content of 3rd and 4th Sem of 2020 –21 Batch

BOS chairman highlighted the scheme and the draft syllabus of the 3rd and 4th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 3rd and 4th Semester.

Agenda 5: Defining Subject equivalences and credit balance to the students admitted in different academic years

BOS chairman informed the members regarding the need of defining the subject equivalences to the students re admitting with other batch students.

All members suggested presenting such cases and getting the approval as and when required.

Agenda 6: Finalize the scheme and syllabus of Electronics and Instrumentation (Honors) and Minor Degree

1. All members suggested to increase the credits in honor and minor subjects so that the number of subjects can be reduced
2. All BOS members accepted the draft scheme of Honor and Minor courses proposed.

Agenda 7: Approval of BOE Members and Examiners for theory and Practical examinations

The list of examiners for 3rd – 8th Sem Subjects are made by discussing with BOS Members for the approval -List enclosed

8. Any Other Issue:

Discussion on certification program: All BOS members expressed to have it as a value added program also members suggested to do survey and identify the kind of learners before framing the syllabus for certification courses

Actions Taken for:

Agenda 1: Finalize the Scheme 3rd to 8th semester of 2021-22 batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 2: Finalize the Syllabus Content of 7th and 8th Sem of 2018 – 19 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 3: Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2019 – 20 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 4: Finalize the Scheme & Syllabus Content of 3rd and 4th Sem of 2018 –19 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus scheme and draft syllabus.

Agenda 5: Defining Subject equivalences and credit balance to the students admitted in different academic years

Member's suggestion is noted.

Agenda 6: Finalize the scheme and syllabus of Electronics and Instrumentation (Honors) and Minor Degree

Member's suggestion is noted.

Agenda 7: Approval of BOE Members and Examiners for theory and Practical examinations

The BOE Members and Examiners for theory and Practical examinations are approved from BOS members – List enclosed

All the above are approved and recommended by the BOS members.

Finally meeting concluded with the vote of thanks by the Head of the Department.


Professor and Head.

Professor & Head
Department of Instrumentation Technology
Dr. Ambedkar Institute of Technology
Bangalore - 560 056

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(An Autonomous Institute Affiliated to VTU Belgaum)
Department of Electronics and Instrumentation Engineering

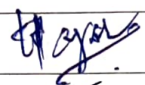

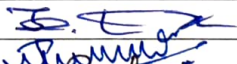
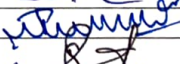



16-07-2022

BOS Meeting

Agenda of the Meeting:

1. Finalize the Scheme 3rd to 8th semester of 2021-22 batch
2. Finalize the Syllabus Content of 7th and 8th Sem of 2019 – 20 Batch
3. Finalize the Syllabus Content of 5th and 6th Sem of 2020 – 21 Batch
4. Finalize the Syllabus Content of 3rd and 4th Sem of 2021 –22 Batch
5. Defining Subject equivalences and credit balance to the students admitted in different academic years
6. Approval of BOE Members and Examiners for theory and Practical examinations
7. Any other issues

BOS Members

Sl. No.	Name and Address	Position	Signature
1	Dr.Ganapathi V Sagar, Associate Professor and Head, EIE, Dr. AIT, Bangalore	Chairman	
2	Dr. Arulmozhivarman. P Professor, Dept of EIE, VIT, Vellore, TN	Subject Expert	ONLINE
3	Dr. S.R Mahadevappa Professor, Dept of Electrical Engineering IIT, Dharwad, Karnataka	Subject Expert	
4	Dr Santhosh Desai Professor, Dept of EIE, BMSCE, Bangalore	Subject Expert	
5	Dr Prasanna Kumar S C Professor, Dept of EIE, RVCE, Bangalore	Subject Expert	 16/07/2022
6	Dr. Shiva Kumar G Professor, Dept of EIE, MCE,Hassan	VTU Nominee	ONLINE
7	Mr. ArunKumar Head, Process Automation business unit Siemens Technology and Services Private Limited Bengaluru, Karnataka, India	Industry Representative	online
8	Mr. Srikanth K S Honeywell Technology Solutions Lab Pvt Ltd.	Industry Representative	
9	Mr. George Jacob, Founder & CEO Semicon Design Technologies Pvt.Ltd. Banaglore	Industry Representative	online
10	Mr. Shivashankarayya Hiremath Assistant Professor, Dept.of Mechatronics Engineering MIT, Manipal	Alumni Representative	
11	Dr. M. Meenakshi	Internal BOS member	
12	Dr Ramesha K	Internal BOS member	
13	Mr. M Prasanna Kumar	Internal BOS member	
14	Mrs.Sridevi.N	Internal BOS member	
15	Dr.Shubha.P	Internal BOS member	
16	Mr. H R Sridhar Kumar	Internal BOS member	

Associate Professor & Head
Professor & Head
Department of Electronics &
Instrumentation Engineering
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Department of Electronics and Instrumentation Engineering

16-07-2022

Minutes of the meeting

The BOS meeting is started at 10.00 AM by welcoming all BOS members by the BOS chairman

Before discussing the actual agenda of the 13th BOS meeting, the members were briefed about the minutes of 12th BOS meeting held on 24-06-2021 and its action taken report. All members approved the same

Agenda 1: Finalize the Scheme 3rd to 8th semester of 2021-22 batch

BOS chairman highlighted the proposed scheme of 3rd to 8th semester for 2021-22 Batch to the BOS members. The following points are highlighted by the BOS members

1. Members suggested to rename the subject Digital Signal Processing to fundamentals of Signal and DSP.
2. BOS members expressed the subject Automatic Control Systems should be renamed to Control Systems because the syllabus content will best suits to control system than Automatic Control Systems.
3. Members of the BOS expressed the Machine Learning with Python Programming can have integrated lab component.
4. Members suggested to retain the Optical Instrumentation & Applications as core subject in 7th semester.
5. BOS members suggested to replace C++ with Low code and NO code as a programming subject because it is upcoming and has no language specific.
6. Members expressed to have augmented reality subject as an elective or course bridge subject.

Agenda 2: Finalize the Syllabus Content of 7th and 8th Sem of 2019 – 20 Batch

BOS Coordinator highlighted the scheme and the draft syllabus of the 7th to 8th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 7th and 8th Sem of 2019 – 20 Batch

Agenda 3: Finalize the Syllabus Content of 5th and 6th Sem of 2020 – 21 Batch

BOS Coordinator highlighted the scheme and the draft syllabus of the 5th to 6th Sem to the BOS members and discussed to get their opinion.

All BOS members accepted the draft syllabus proposed for the forthcoming 5th and 6th Sem of 2020 – 21

Agenda 4: Finalize the Syllabus Content of 3rd and 4th Sem of 2021-22 Batch

BOS coordinator highlighted the scheme and the draft syllabus of the 3rd and 4th Sem to the BOS members and discussed to get their opinion. The following points are highlighted by the BOS members

1. All members suggested to remove the BJT content in the Analog Electronic circuits subject and expressed to concentrate more on analog IC's
2. All BOS members suggested to include application oriented experiments in the lab component of Analog Electronic circuits
3. Members suggested to include experiments on interfacing displays, motor control in Digital System Design using verilog subject
4. All the members suggested to revise the text books in all the subjects
5. The BOS members expressed to include signal conditioning part along with sensors in the subject sensors and Industrial instrumentation.
6. In the subject transducers and VI lab instead of PID, experiment on sensors can be interfaced with labview can be included.
7. The members suggested to include open source software like SCI lab in any of the lab component.

Agenda 5: Defining Subject equivalences and credit balance to the students admitted in different academic years

BOS coordinator informed the members regarding the need of defining the subject equivalences to the students re admitting with other batch students.

All members suggested presenting such cases and getting the approval as and when required.

Agenda 6: Approval of BOE Members and Examiners for theory and Practical examinations

The list of examiners for 3rd – 8th Sem Subjects are made by discussing with BOS Members for the approval -List enclosed

8. Any Other Issue:

The following points are highlighted by the BOS members as a summery.

1. The BOS members expressed that in the 3rd to 8th semester scheme Design thinking part is not included
2. Swayam courses are not included in the 3rd to 8th semester scheme

Actions Taken for:

Agenda 1: Finalize the Scheme 3rd to 8th semester of 2021-22 batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 2: Finalize the Syllabus Content of 7th and 8th Sem of 2019 – 20 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 3: Finalize the Scheme & Syllabus Content of 5th and 6th Sem of 2020 – 21 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus

Agenda 4: Finalize the Scheme & Syllabus Content of 3rd and 4th Sem of 2021 –22 Batch

The suggestions given by BOS members are incorporated and finalized the draft syllabus scheme and draft syllabus.

Agenda 5: Defining Subject equivalences and credit balance to the students admitted in different academic years

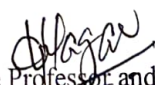
Member's suggestion is noted.

Agenda 6: Approval of BOE Members and Examiners for theory and Practical examinations

The BOE Members and Examiners for theory and Practical examinations are approved from BOS members – List enclosed

All the above are approved and recommended by the BOS members.

Finally meeting concluded with the vote of thanks by the Head of the Department.


Associate Professor and Head,
Professor & Head
Department of Electronics & Instrumentation Engineering
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