



Sant Dynaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute)
DEPARTMENT OF AERONAUTICAL ENGINEERING

**Minutes of the First Board of Studies Meeting held on 15th July 2017 at
11:00 AM in the Board Room, ADCET, Ashta.**

Members Present:

1	Dr. L. Y. Waghmode	-	Chairman
2	Dr. P. K. Dash	-	Member
3	Dr. Sham Gurav	-	Member
4	Dr. N. Kishornath	-	Member
5	Mr. T. M. Naidu	-	Member
6	Mr. R. G. Makade	-	Member & Coordinator
7	Dr. K. V. Kulkarni	-	Member
8	Mr. Narasimha Reddy	-	Member
9	Mr. Y. B. Kumbhar	-	Member
10	Mr. K. M. Kiran Babu	-	Member
11	Mr. Nikhil Franklin	-	Member
12	Mr. Akhil Chandran	-	Member
13	Ms. P. B. Patil	-	Member
14	Mr. K. Balaji	-	Member
15	Mr. M. Ponvelchamy	-	Member
16	Ms. G. Pallavi	-	Member

Members Absent:

1	Dr. P. M. Mohite	-	Member
2	Mr. R. Reju	-	Member

Dr. L. Y. Waghmode, Chairman (BOS), Vice Principal (Administration) & Head of Aeronautical Engineering Department chaired the meeting and welcomed all the members to the First Meeting of Board of Studies (BoS) of the Department of Aeronautical Engineering. He introduced all the members of the panel to each other.

He informed all the members about the conferment of the Autonomous status to the ADCET, Ashta by the Shivaji University, Kolhapur & UGC, New Delhi. The members were informed about the New Curriculum & the Evaluation Scheme that is to be finalized for B.Tech (Aeronautical Engineering) in this First BOS and requested the panel members to put forward their suggestions & recommendations.



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ITEM No: 01-BOS-1.1 To discuss the proposed curriculum structure of Second Year B. Tech. Aeronautical under Autonomous mode -(Annexure - I)	For Reporting to AAC
<ul style="list-style-type: none">• One hour Tutorial hour was recommended for the courses such as Applied thermodynamics & Propulsion by External Panel Members.• The Panel members suggested to introduce programming language course like "Python" for the students instead of C++, This point was discussed deliberately and keeping in the mind the requirements of current recruiters the course of C++ was finalized.• The contents of the Aircraft Component Drawing Lab were discussed & it was concluded with detailed discussion to have 50% weightage for Hand Drawing & 50% weightage for Computer Aided Drawing.	
ITEM No: 01-BOS-1.2 To discuss the proposed curriculum structure of Third Year B. Tech. Aeronautical under Autonomous mode -(Annexure - I)	For Reporting to AAC
<ul style="list-style-type: none">• The panel suggested to modify the course distribution of the fifth semester, as more core subjects were concentrated in that part of curriculum.• A course of Microprocessor & Its Application was suggested instead of the Electrical and Electronics Circuits course in the Fifth Semester.• A deliberate discussion on the inclusion of the Computational Fluid Dynamics course in the sixth semester was carried out, and from the point of view of the current industrial requirements the panel concluded to continue with the course.	
ITEM No: 01-BOS-1.3 To discuss the proposed curriculum structure of Final Year B. Tech. Aeronautical under Autonomous mode -(Annexure - I)	For Reporting to AAC
<ul style="list-style-type: none">• The elective courses such as Hypersonic Aerodynamics, Industrial Aerodynamics, Experimental Aerodynamics, Experimental Stress Analysis, Fatigue & Fracture, Advanced Strength of Materials, Total Quality Management, Ceramics, and Cryogenics were suggested for the inclusion in the List of Electives by the Panel Members.• The course Avionics & Introduction to UAV is to be included in the List of Open Electives.	





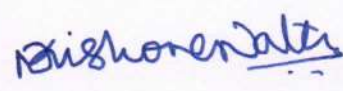
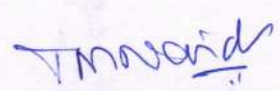

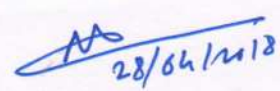


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ITEM No: 01-BOS-2	For Approval of AAC
To finalize the curriculum structure of Second Year to Final Year B. Tech. Aeronautical under Autonomous mode –(Annexure – II)	
<p>After the detailed and lengthy discussion between all the members of the BOS Panel the, Panel Resolved to recommended to the Academic Advisory Council(AAC) the modified & final Curriculum scheme of the Second Year to Final Year B.Tech Aeronautical Engineering for the approval of AAC.</p>	
ITEM No: 01-BOS-3	For Approval of AAC
To finalize the Evaluation Scheme of Second Year to Final Year B. Tech. Aeronautical under Autonomous mode –(Annexure – II)	
<p>The BOS Panel Resolved to recommend to the Academic Advisory Council (AAC) the proposed Evaluation scheme of the Second Year to Final Year B.Tech Aeronautical Engineering for the approval of AAC, which was discussed in detail.</p>	
ITEM No: 01-BOS-4	For Approval of AAC
To finalize the mandatory and audit courses to be offered under Autonomous mode –(Annexure – II)	
<p>The BOS Panel Resolved to recommend to the Academic Advisory Council (AAC) the Mandatory & the Audit courses to be offered to the students from the Second Year to the Final Year, for the approval of the AAC, after the detailed discussion with all the panel members of the BOS.</p>	
ITEM No: 01-BOS-5	For Reporting to AAC
GATE Examination & Preparations	
<p>The panel members discussed on the emphasis of GATE Examination and suggested to develop the culture of GATE appearing among all the students of the department, and the panel appreciated the work done by all faculty members, for developing curriculum keeping in mind the GATE Syllabus.</p>	



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The meeting ended with the Vote of Thanks by Dr. L. Y. Waghmode, Chairman (BOS).

1	Dr. L. Y. Waghmode	-	Chairman	
2	Dr. P. K. Dash	-	Member	
3	Dr. P. M. Mohite	-	Member	- Absent -
4	Dr. Sham Gurav	-	Member	
5	Dr. N. Kishornath	-	Member	
6	Mr. T. M. Naidu	-	Member	
7	Mr. R. G. Makade	-	Member & Coordinator	
8	Dr. K. V. Kulkarni	-	Member	
9	Mr. Narasimha Reddy	-	Member	
10	Mr. Y. B. Kumbhar	-	Member	
11	Mr. K. M. Kiran Babu	-	Member	



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- 12 Mr. Nikhil Franklin - Member *Nikhil*
- 13 Mr. Akhil Chandran - Member
- 14 Ms. P. B. Patil - Member *P. B. Patil*
- 15 Mr. K. Balaji - Member
- 16 Mr. M. Ponvelchamy - Member *P. V.*
- 17 Ms. G. Pallavi - Member
- 18 Mr. R. Reju - Member



संस्थेचे नाव

Name of Institution

Annesabai Dange college of Engg &
Technology, AshraPROCEEDING
सभेच्या कामकाजाच्याBOOK
वृत्तांताचे पुस्तकसूचना - सभेस हजर असलेल्या सभासदांची नावे
गर्जेप्रमाणे व जल्मीप्रमाणे स्वतः कागदावर
सिद्ध व ती या कामकाजास जोडावीत.पान नंबर
Page No.

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1. सभेचा प्रकार
Kind of Meeting BOS
2. सभेचा क्रमांक
Sr. No. of Meeting 2
3. सभेची तारीख
Date of Meeting 28/4/18
4. सभेचे स्थळ
Place of Meeting Board Room
5. सभेची वेळ
Time of Meeting 11:00 to 1:00 PM
6. सभेत कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची नावे (हुद्दास)
Name & Designation of Officials & Respectable persons present
① Mr. T. M. Naidu
② Dr. P. K. Dash
③ Dr. N. Kishor Math
7. सभेचे अध्यक्ष
Chairman Of the Meeting HOD

c. सभेस हजर असलेल्या सभासदांची नावे व सही Name & Signature of the members who were present at the meeting.

नं.	नाव	सही	नं.	नाव	सही
1	Dr. P. K. Dash	<i>[Signature]</i>	19		
2	Dr. N. Kishor Math.	<i>[Signature]</i>	19		
3	Mr. T. M. Naidu	<i>[Signature]</i>	19		
4	Dr. L. Y. Waghmode.	<i>[Signature]</i>	19		
5	Mr. P. B. Patil	<i>[Signature]</i>	19		
6	Mr. G. K. Shambhi	<i>[Signature]</i>	19		
7	Mr. R. B. J. R.	<i>[Signature]</i>	19		
8	Mr. M. Donvelcham	<i>[Signature]</i>	19		
9	Mr. K. M. Kisan Babu	<i>[Signature]</i>	19		
10			20		

क्रमांक Serial No.	सभेचे विचारारविता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion	सभेचे विचारारविता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion	टिपे आणि ठराव असल्याची अंमलबजावणी Remarks & of action taken on the resolution & Date
①	Dr. L. Y. Waghmode, welcomed the members for the 2 nd Board of Studies meeting with the Agenda of Finalizing the detailed Curriculum for the S.Y. B.Tech Aeronautical Engineering.	② Dr. L. Y. Waghmode welcomed the external members of the BOS committee to record the names of the question paper setter's and examiners.	③ The Final Detail Syllabus of the S.Y. B.Tech is to be sent for the Approval of the AAC
②	Member Secretary, Mr. K. M. Kisan Babu, presented the Actions Taken on the Suggestions given by the PAAC members and got the approval of the same.	④ BOS Member's finalized the list of question paper setter's and examiners for the Second & Third Year (Third & Fourth Semester) Examinations	
③	A Detailed discussion on the unit wise syllabus the Third and Fourth Semester courses with the evaluation Pattern was discussed.		
④	BOS Member's recommended the minor suggestions that are to be made before the the Approval of AAC		



सभेचे नाव

Name of Institution

Annasaheb Dange collage of

Engg. & Technology, Ashra.

PROCEEDING

सभेच्या कामकाजाच्या

BOOK

वृत्तांताचे पुस्तक

पृष्ठां -

सभेस हजर असलेल्या सभासदांची नावे
सहजेप्रमाणे व जल्मीप्रमाणे स्वतः कागदावर
लिहून ती या कामकाजास जोडलीत.पान नंबर
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१. सभेचा प्रकार
Kind of Meeting BOS

२. सभेची तारीख
Date of Meeting 19/4/19

३. सभेचे स्थान
Place of Meeting Dept. Meeting Room

४. सभेची क्रमांक
Sr. No. of Meeting 3

५. सभेची वेळ
Time of Meeting 11.00 to 1.00 pm

६. सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची नावे (ह्यासारखे)
Name & Designation of Officials & Respectable persons present

① Prof. T. M. Naidu
② Dr. Kishor Nath
③ V P S Naidu
④ C. Veerasesha Kumar

७. सभेचे अध्यक्ष
Chairman Of the Meeting HOD

८. सभेस हजर असलेल्या सभासदांची नावे व सही Name & Signature of the members who were present at the meeting

नं.	नाव	सही	नं.	नाव	सही
१	V.P.S NAIDU	<i>V.P.S Naidu</i>	११	Yogesh Balasa Kumbhar	<i>Yogesh</i>
२	C. Veera Sesha Kumar	<i>C. Veera Sesha Kumar</i>	१२	Nikhil Franklin P	<i>Nikhil</i>
३	DR. D. Kishore Nath	<i>DR. D. Kishore Nath</i>	१३		
४	T.M. Naidu	<i>T.M. Naidu</i>	१४		
५	A. Barath	<i>A. Barath</i>	१५		
६	DR. V. Kulkarni	<i>DR. V. Kulkarni</i>	१६		
७	S. R. Suryawanshi	<i>S. R. Suryawanshi</i>	१७		
८	Ms. Pooja B Patil	<i>Ms. Pooja B Patil</i>	१८		
९	DR. N.V. Rajguru	<i>DR. N.V. Rajguru</i>	१९		
१०	Mr. A K Nattala	<i>Mr. A K Nattala</i>	२०		

विषय नंबर Subject No.	सभेचे विचारकरिता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion	सभेचे विचारकरिता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion	सहजेप्रमाणे Remarks & of action taken on this resolution & Date
1.	Dr. A. Barath, welcomed the members for the 3 rd board of studies meeting with the agenda of finalising the detailed syllabus of T.Y. (Aeronautical) of 192 credits.	4. As per the AICTE guidelines, the new programme structure consisting of 170 credits was presented before the BOS members. BOS members suggested to include self learning courses in the T.Y. & B.E. of programme.	
2.	Detailed discussions on individual course contents of T.Y. curriculum of aeronautical engineering. The following changes were recommended by the BOS members. • OAEP303 Electronics & microprocessor mod. changed to OAEP303 linear control theory. • OAEP304 Flight mechanics changed to aircraft performance. • OAEP353 Flight mechanics & rocket propulsion lab. changed to aircraft performance lab. • OAEP309 Control theory changed to Aircraft Stability & Control. • OAEP358 Control theory lab. changed to unmanned aerial vehicle lab.		
3.	As per recommendation of faculty, discussion to modify the syllabus of OAEP302. Applied thermodynamics was happened. BOS ratified the decision to rearrange the syllabus.		



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**Minutes of the Fourth Board of Studies Meeting held on 01st December
2019 at 11:00 AM in the Department Meeting Room, ADCET, Ashta.**

Members Present:

1	Dr. S. A. I. Bellary	-	Chairman
2	Dr. Rajkumar S. Pant	-	Member - Vice Chancellor Nominee
3	Dr. Premkumar	-	Member - Academic Expert
4	Dr. Kamlesh V. Kulkarni	-	Member
5	Dr. N. V. Raghavendra	-	Member
6	Mr. K. M. Kiran Babu	-	Member Secretary
7	Mr. Sanoj P Suresh	-	Member
8	Mr. Reju R	-	Member
9	Ms. Pooja B. Patil	-	Member
10	Mr. Sushant D. Sale	-	Member
11	Mr. Kalpit P. Kaurase	-	Member
12	Mr. Yogesh B. Kumbhar	-	Member

Dr. S. A. I. Bellary, Chairman (BOS), & Head of Aeronautical Engineering Department chaired the meeting and welcomed all the members to the Fourth Board of Studies Meeting of the Department of Aeronautical Engineering. He introduced all the members of the panel to each other. Prof. Rajkumar S. Pant, Vice-Chancellor Nominee for the BoS joined the meeting through the video conference.

He informed all the members about the conferment of the Accreditation by the NBA, New Delhi for the period of three years for the years 2019 - 20, 2020 - 21, and 2021 - 22. The Minutes of the 3rd Board of Studies Meetings and the actions taken thereon were reported to the members of the BoS.

ITEM No: 04-BOS-1.3	
To discuss and finalize the detailed syllabus of Final Year B.Tech Aeronautical Engineering for the Academic Year 2020 - 2021.	
<ul style="list-style-type: none">The detailed syllabus of the Final Year B.Tech Aeronautical Engineering for the Academic Year 2020 - 2021 of the 192 credits program curriculum structure was presented before the members of the BoS.	





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- After the due deliberations and discussions the following comments were made by the external BoS Members, while preparing the list of elective courses, there is a need to verify whether the elective course is available on the MOOCs platforms so that students can refer to the MOOCs for elective courses.
- The Space Dynamics course in the eight semester was suggested to be shifted to the seventh semester in the place of Program Elective II and swap the same to eighth semester as the Space Dynamics course is an important course in GATE preparation, it would be apt if we cover it in the Seventh Semester.
- The BoS Members also suggested to offer Program Elective II and Program Elective III for the students who are academically performing so that they can be relatively free in their eight semester and can go for Industry based projects/Internships for a longer duration.
- The BoS resolved that the suggestions made by the BoS will be included and will be sent for the approval in the AAC.

**For Approval of
Academic
Council**

ITEM No: 04-BOS-1.4

To discuss and finalize the First Revision of Program Structure of Second Year, Third Year and Final Year of B.Tech Aeronautical Engineering comprising of 170 Credits

- The detailed program curriculum structure of the 170 credits structure and the detailed syllabus of the S.Y B.Tech for the academic year 2020 - 2021 was presented to the members of the BoS.
- After the deliberations and discussions among the members of the BOS, the following comments and suggestions were made.
- The Theory and Laboratory courses were initially separated with two course codes and the BoS members suggested they should be clubbed, so that faculty and students can strongly correlate the theory course and the laboratory part of the same. This also helps in the effective implementation of the Outcome Based Assessment.

**For Approval of
Academic
Council**

**For Approval of
Academic
Council**

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<ul style="list-style-type: none">• One Hour of Tutorial hours is suggested for the Mechanics of Material course keeping its mathematical nature in mind.• The BOS Panel Resolved to recommend to the Academic Advisory Council (AAC) the proposed Evaluation scheme of the Second Year to Final Year B.Tech Aeronautical Engineering for the approval of AAC, which was discussed in detail.	
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ITEM No: 04-BOS-1.5	For Approval of Academic Council
To discuss and modify the syllabus of 0AEPC209 - Aerodynamics - I, 0AEPC307 - Computational Fluid Dynamics for the Even Semester of Academic Year 2019 - 2020 -(Annexure - III)	
<ul style="list-style-type: none">• The syllabus of 0AEPC209 - Aerodynamics I and 0AEPC307 - Computational Fluid Dynamics were considered for the modifications based on the recommendations made by the respective course coordinators, as the modifications were minor the BoS Members dint not raise any objection and the same will be sent for the approval of AAC.	

ITEM No: 04-BOS-1.6	For Approval of Academic Council
To discuss and analyze the Autonomous Results of the Academic Year 2018 - 2019	
<ul style="list-style-type: none">• The Departmental Exam Coordinator made a presentation of the results of the Academic Year 2018 - 2019 before the members of the BoS. The results were satisfactory, the BoS members suggested to focus the examinations more on the Higher Cognitive Levels.	

ITEM No: 04-BOS-1.7	For Approval of Academic Council
To discuss and analyze the Placement and Higher Education statistics of Academic Year 2018 - 2019	
<ul style="list-style-type: none">• The Training and the Placement Coordinator presented the report of Placement and Higher Education statistics of Academic Year 2018 - 2019, highlighting the Oncampus and Offcampus placement drives and offers received by the students.• The number of students enrolled in the higher education is less and the BoS members emphasized on encouraging the students to appear for the GATE Examination.	





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ITEM No: 04-BOS-1.8	For Approval of Academic Council
GATE Examination & Preparation	
<ul style="list-style-type: none">The panel members discussed on the emphasis of GATE Examination and suggested to develop the culture of GATE appearing among all the students of the department, and the panel appreciated the work done by all faculty members, for developing curriculum keeping in mind the GATE Syllabus	

The meeting ended with the Vote of Thanks by Dr. S. A. I. Bellary, Chairman (BOS).

Summary of the 04th Board of Studies Meeting

The First Revision of the Curriculum was to be carried out with the Inputs of AICTE Model Curriculum, the Existing Curriculum, The Inputs from the Industry and Alumni. The following are the significant changes in the curriculum.

1. Open Electives have increased compared to the previous curriculum, to promote the interdisciplinary knowledge among the students.
2. Self Learning Courses of 1 Credit is included in the curriculum to promote Life-Long Learning Skill among the students.
3. The Program structure is designed such that all the courses that are related to the GATE examination are covered by the sixth semester so that students will be fully prepared for the GATE Examination by the beginning of the Seventh Semester.
4. The Elective Courses are framed with a policy of having each course of specialization domains in the program Aerodynamics, Propulsion, Structures, Aviation and Maintenance and the also the elective courses which are available on the MOOCs platforms so that students can refer to the MOOCs for elective courses.

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Minutes of the Fifth Board of Studies Meeting

Date: 06th February 2020

Time 11:30 AM - 12:30 PM

Venue:

Department Meeting Room, ADCET, Ashta + Online Mode for the External Members through G-Meet, Google Meet Link: <https://meet.google.com/bxi-qzjv-oje>

Members Present:

Sl.No	Name of the Member & Designation	
1	Dr. L. Mallick, HoD/Aeronautical Engineering, ADCET, Ashta	Chairman
2	Dr. Rajkumar S Pant, Professor, Department of Aerospace Engineering, IIT Bombay, Mumbai	Vice Chancellor Nominee
3	Dr. Kishore Nath, Scientist G, Program Director VEDA, DRDL, Hyderabad	Industry Representative
4	Dr. Premkumar, Associate Professor, Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore	Academic Expert
5	Dr. N. V. Raghavendra, Associate Professor, Aeronautical Engineering, ADCET, Ashta	Member
6	Prof. T. M. Naidu, Visiting Faculty, Aeronautical Engineering, ADCET, Ashta	Member
7	Mr. K. M. Kiran Babu, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member Secretary
8	Mr. Nikhil Franklin, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
9	Mr. Yogesh B Kumbhar, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
10	Mr. Reju R, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
11	Mr. Sanoj P Suresh, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
12	Ms. Pooja B Patil, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
13	Mr. Sushant Sale, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
14	Mr. Noble Sharma, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member



(Signature)
HOD

(Dr. N. V. RAGHAVENDRA)



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15	Mrs. Soumya Kumari, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
16	Mr. Anumodh Menon, Assistant Professor, Aeronautical Engineering, ADCET, Ashta	Member
17	Ms. Priyanka Hankare, Ph.D Research Scholar, IIT Bombay, Mumbai	Alumni Representative
18	Mr. Vikas D. Patil, QuEST Global, Belgaum	Alumni Representative

Dr. L. Mallick, Chairman (BOS), & Head of Aeronautical Engineering Department chaired the meeting and welcomed all the members to the Fifth Board of Studies(BoS) Meeting of the Department of Aeronautical Engineering, with the brief outline of agenda of the Fifth BoS Meeting.

ITEM No: 05-BOS-1.2	For Information of Academic Council
Confirmation of Minutes of Meeting of 4th Meeting of BoS and To Note Action Taken	
<p>The Minutes of Meeting of the 04th Meeting of Board of Studies held on 01st December 2019, was confirmed by all the Members of the Board of Studies, The Following is the brief summary of the discussions in the Fourth Board of Studies.</p> <p>The First Revision of the Curriculum was to be carried out with the Inputs of AICTE Model Curriculum, the Existing Curriculum, The Inputs from the Industry and Alumni. The following are the significant changes in the curriculum.</p> <ol style="list-style-type: none">1. Open Electives have increased compared to the previous curriculum, to promote interdisciplinary knowledge among the students.2. Self Learning Courses of 1 Credit is included in the curriculum to promote Life-Long Learning Skill among the students.3. The Program structure is designed such that all the courses that are related to the GATE examination are covered by the sixth semester so that students will be fully prepared for the GATE Examination by the beginning of the Seventh Semester.4. The Elective Courses are framed with a policy of having each course of specialization domains in the program Aerodynamics, Propulsion, Structures, Aviation and Maintenance and the also the elective courses which are available on the MOOCs platforms so that students can refer to the MOOCs for elective courses. <p>❖ The BoS resolved that the suggestions made by the BoS will be included and will be sent for the approval in the AAC.</p>	





Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute)
DEPARTMENT OF AERONAUTICAL ENGINEERING

ITEM No: 05-BOS-1.3	For Approval of
To discuss and finalize the detailed syllabus of Third Year B.Tech Aeronautical Engineering for the Academic Year 2021 - 2022 (170 Credits)	Academic Council
<ul style="list-style-type: none">❖ The detailed course wise curriculum of the 1st Revision of Third Year B.Tech Aeronautical Engineering was presented before the Board of Studies.❖ The BoS Members Approved the contents of the following courses after the discussion and deliberations,<ul style="list-style-type: none">➤ 1AEPC301- Aircraft Structures➤ 1AEPC302 - Flight Dynamics➤ 1AEPC303 - High Speed Aerodynamics➤ 1AEPC304 - Aerospace Propulsion➤ 1AEPC305 - Vibrations and Structural Dynamics➤ 1AEPC306 - Computational Fluid Dynamics➤ 1AEPC307 - Space Dynamics➤ 1AEHS352 - Communication Skills and Competencies➤ 1AEHS353 - Constitution of India➤ 1AEPC356 - Aircraft Structures Laboratory➤ 1AEPC357 - Flight Dynamics Laboratory➤ 1AEPC358 - Vibration and Structural Dynamics Laboratory➤ 1AEPC359 - Computational Fluid Dynamics Laboratory❖ The BoS Members, Prof. Pant emphasized on the need for Aircraft Design Course, which is a core course to be included in the curriculum, and Dr. Kishorenath and Prof. T. M. Naidu emphasized on the need for Composite Materials and Structures, which needs to be included in the curriculum.❖ Self Learning Course Assessment Policy: Self Learning Courses of 1 Credit is included in the curriculum to promote <u>Life-Long Learning Skill</u> among the students, the evaluation strategy is finalized.❖ Department Internship Policy: The internship is mandatory as a part of the curriculum. Students will not graduate unless they complete the internship as prescribed. The detailed policy for the Internship was discussed in the BoS and was approved by the BOS Members❖ The Program structure is designed such that all the courses that are related to the GATE examination are covered by the sixth semester so that students will be fully prepared for the GATE Examination by the beginning of the Seventh Semester.❖ The List of Program Elective I and II, Open Elective I and II were discussed and after the detailed elaboration, the following list is approved. The BoS Members resolved to	





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adapt the course contents of the below electives from the 190 Credits curriculum as they were added with enough deliberations.

1AEPE305 - 310 Professional Elective - 1 (Fifth Semester)

- 1AEPE305 - Experimental Aerodynamics
- 1AEPE306 - Heat and Mass Transfer
- 1AEPE307 - Material Testing and Characterization
- 1AEPE308 - Engineering Design Optimization
- 1AEPE309 - Helicopter Theory
- 1AEPE310 - Lighter-Than-Air Systems

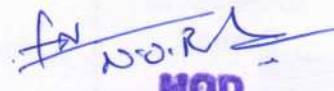
1AEPE316 - 320 Professional Elective - 2 (Sixth Semester)

- 1AEPE316 - Hypersonic Aerodynamics
- 1AEPE317 - Advanced Propulsion Systems
- 1AEPE318 - Advanced Mechanics of Solids
- 1AEPE319 - Introduction to Air Transportation and Flight Scheduling
- 1AEPE320 - Introduction to Aircraft Design

1AEOE312 - 315 Open Elective

- 1AEOE323 - Introduction to Flight
- 1AEOE324 - Introduction to Experimental Aerodynamics
- 1AEOE325 - Introduction to Gas Dynamics and Jet Propulsion
- 1AEOE326 - Introduction to Unmanned Aerial Vehicles

- ❖ Prof. Pant Suggested a mechanism to keep Professional Electives in the General List instead of grouping them into a particular semester, and keep floating the same so that students will have choices of choosing the subjects based on their interest and position.

ITEM No: 04-BOS-1.4	For Approval of Academic Council
To discuss and finalize the Modifications in the PSO's	
As per the recommendations by the NBA Expert Committee recommendations and after the deliberations held within the department faculty members, we have identified the need for modifying the existing Program Specific Outcomes (PSO's). The following statements are put forward before the Members of the Board of Studies for their approval in the 05th Meeting of Board of Studies held on 06th Feb 2021.	
 HOD	





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Existing PSO's :

- ❖ **PSO1** - Apply the knowledge of Aeronautical Engineering in the Design and Development, Operating, Maintaining and overhauling of the products enhancing the mobility in the society.
- ❖ **PSO2** - Develop frameworks and subsystems of the Aerospace and aviation components to progress towards becoming technocrats
- ❖ **PSO3** - Solve the difficulties faced by Aviation Industry with regards to operating and maintaining Innovative Solutions.

Proposed PSO's : (For Modification)

- ❖ **PSO1** - Apply the knowledge of aeronautical engineering in the Design and Development, Operating, Maintaining and overhauling of the products enhancing the mobility in the society.
- ❖ **PSO2** - Develop aeronautical and aviation frameworks, and subsystems to overcome the challenges faced by the aviation industry through innovative solutions leading to employability and entrepreneurial development.

The above proposed PSO's have been discussed and approved by the BOS.

ITEM No: 04-BOS-1.5	For Information of Academic Council
To discuss and analyze the Autonomous Results of the Academic Year 2019 - 2020	
<ul style="list-style-type: none">• The Departmental Exam Coordinator made a presentation of the results of the Academic Year 2019 - 2020 before the members of the BoS. The results were satisfactory, the BoS members suggested to focus the examinations more on the Higher Cognitive Levels.• As per the suggestions made by the 06th Academic Council Meeting, Courses with result less than 70% will be considered for remedial classes in the Academic Year 2020 - 2021.	

ITEM No: 04-BOS-1.6	For Information of Academic Council
To discuss and analyze the Placement and Higher Education statistics of Academic Year 2019 - 2020 , Road Map for Placement and Higher Education in AY: 2020 - 2021	

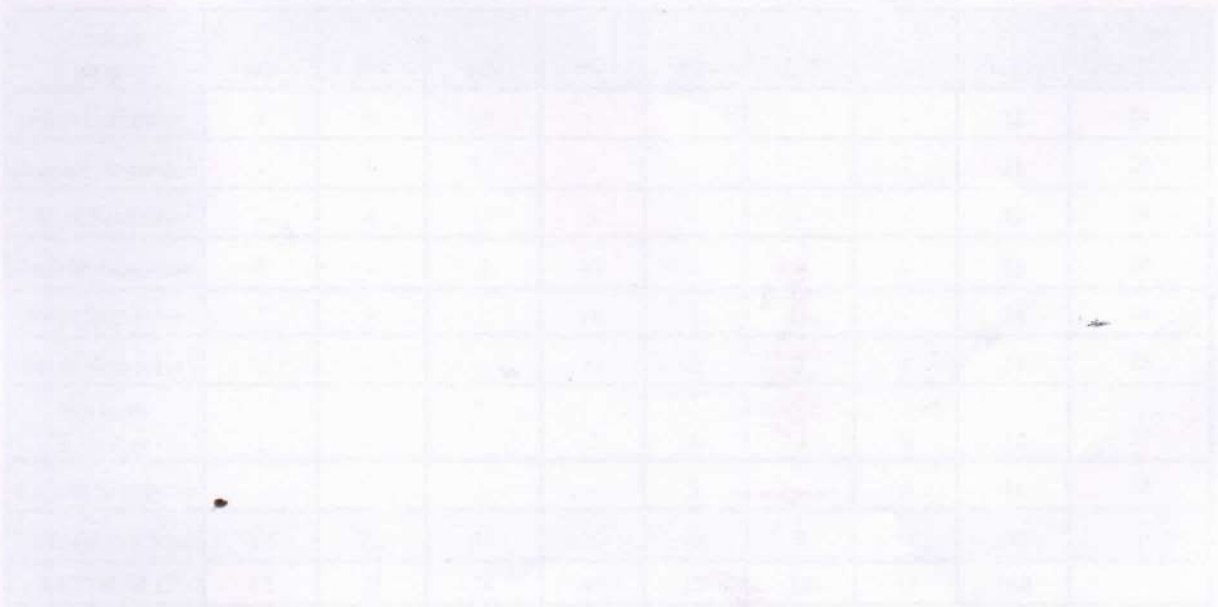




Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology, Ashta
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- The Training and the Placement Coordinator presented the report of Placement and Higher Education statistics of Academic Year 2019 - 2020, highlighting the On-campus and Off-campus placement drives and offers received by the students.
- The resolution was made to introduce Value Added Courses based on the Job Verticals Identified by the Department, through the collaborative efforts from the Faculty and Industry People.

The meeting ended with the Vote of Thanks by Dr. L. Mallick, Chairman (BOS), & Head of Aeronautical Engineering Department.



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w.v.r
MOD

(Dr. N. V. RAGHAVENDRA)
AERONAUTICAL ENGINEERING
Annasaheb Dange College of
Engineering & Technology, Ashta. 416 301



MINUTES OF SIXTH BOARD OF STUDIES (BOS)

Date: 17th October 2021

Time: 12.15PM to 1.30PM

Venue:

Department Meeting Room, ADCET, Ashta + Online Mode for External Members through Zoom Meeting (Meeting ID: 721 426 2449, Password: MrRejuR)

Members of Board of Studies Present

S. No.	Name of the Member & Designation	Position
1	Dr. N. V. Raghavendra, HOD – Department of Aeronautical Engineering, ADCET, Ashta	Chairperson
2	Dr. Rajkumar S Pant, Professor, Department of Aerospace Engineering, IIT Bombay, Mumbai	Vice Chancellor Nominee
3	Dr. G. Naresh Kumar, Scientist – G, Directorate of Systems, DRDL, Hyderabad	Industry Representative
4	Mr. Reju R, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member Secretary
5	Mr. Yogesh B Kumbhar, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
6	Mr. Sanoj P Suresh, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
7	Mr. Noble Sharma, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
8	Mr. Oblisamy L, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
9	Mr. Sabarishwaran R, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
10	Mr. Ramesh M, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
11	Mr. Vikas D Patil, Engineering Integrated Product Development, Infosys, Mysore	Alumni Representative



N. V. R.



Dr. N. V. Raghavendra, Chairperson (BoS) & HOD, Department of Aeronautical Engineering chaired the meeting and welcomed all the members to the sixth Board of Studies (BoS) meeting of the Department of Aeronautical Engineering, with the brief outline of agenda of the sixth BoS Meeting.

Item: 6th BoS-1	Confirmation of Minutes of Meeting about 5th BoS to note Action Taken
Note:	For Information of Academic Council
<p>The Minutes of Meeting of 5th Meeting of Board of Studies held on 6th February 2020, was confirmed by all the members of the Board of Studies. The following is the summary of the discussion in the fifth Board of Studies.</p> <ol style="list-style-type: none">1. Finalized TY courses, added with the self-learning course, Internships2. 8th semester Self-learning course policy was disclosed3. Finalized the list of Open Elective courses and Professional Elective courses4. Program Specific Outcomes modified from three to two numbers5. Discussion on Autonomous curriculum results, Higher education, and placement analysis of AY 2019-2020 & 2020-2021.	

Item: 6th BoS-2	To discuss and finalize the detailed syllabus of B. Tech. Aeronautical Engineering for the Academic Year 2022-2023 (170 Credits)
Note:	For Approval of Academic Council
<p>The detailed course-wise syllabus of 1st revision of Final Year B.Tech. Aeronautical Engineering was presented by the Department Academic Coordinator - Mr. Reju. R - to the Board of Studies.</p> <p>The BoS Members approved the contents of the following courses after the discussion and deliberations,</p> <ul style="list-style-type: none">• 1AEPC401: Finite Element Methods• 1AEPE403: Turbulence Modeling• 1AEPE405: Theory of Elasticity (Spelling need to change Caps in title)• 1AEPE406: Aircraft Rules and Regulations - DGCA (CAR)• 1AEPE408: Quality Engineering and Management• 1AEPE410: Numerical Heat Transfer and Fluid Flow• 1AEPE411: Experimental Stress Analysis (Spelling need to change Caps in title)• 1AEPE413: Aircraft Engine Design	



N.V.R.



- 1AEPE414: Product Life Cycle Management
- 1AEOE422: Aircraft General Engineering Maintenance
- 1AEOE423: Design of Fixed wing Unmanned Aerial Vehicles
- 1AEPR451: Project Phase – I
- 1AEPC454: Finite Element Methods Laboratory
- 1AEPE452: Self-Learning Course (Supervised Learning)
- 1AEPE415: Nanomaterials and Nanotechnology
- 1AEPE416: Non-Destructive Testing
- 1AEPE420: Cryogenics
- 1AEPR453: Project Phase – II

In respect of “**1AEPC402: Aircraft Control Systems**” - Dr. Rajkumar S Pant suggested to change the name as “Introduction to Control Systems” or “Control Theory”. This course deals with basics of control theory. One more subject can be added in an elective list as “Aircraft Control Systems”. Also Dr. Rajkumar S Pant suggested to remove prerequisite of Flight Dynamics for this course.

In respect of “**1AEPE404: Avionics and Instrumentation**” - Dr. Rajkumar S Pant suggested to change the name as “Avionics & Aircraft Systems”, Dr. G. Naresh Kumar suggested to change name as “Avionics”.

In respect of “**1AEPE407: Design of Unmanned Aerial Systems**” - Dr. Rajkumar S Pant suggested to change UAV as UAS.

In respect of “**1AEPE409: Automobile and Industrial Aerodynamics**” - Dr. Rajkumar S Pant suggested to add recent textbooks and reference books instead of old books in curriculum.

In respect of “**1AEPE412: Airframe Maintenance and Repair**” - Dr. Rajkumar S Pant suggested to change Unit -6 Syllabus.

In respect of “**1AEOE421: Air Traffic Control and Airport Management**” - Dr. Rajkumar S Pant suggested to change subject as “ATC & Airport Design”.

In respect of **1AEHS407: Economics for Engineers** - the title will be changed to “**Project Management and Finance**”, and information will be updated in 7th BoS.

In respect of “**1AEPE417: Probability and Statistics**” - Dr. Rajkumar S Pant suggested that the course looks too basic in members point of view; so they suggested to change the course or remove it.

In respect of “**1AEPE418: Airframe Maintenance and Repair**” - Dr. Rajkumar S Pant



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suggested that the course content on Safety Practices is not related to the course title. Course contents need to be changed.

In respect of "1AEPE419: Lean Six Sigma for Aircraft Assembly" - Dr. Rajkumar S Pant suggested that the course content on Operations Research needs to be removed and content needs to be reframed; or the course may altogether be removed.

Item: 6 th BoS-3	Other Comments on Curriculum
Note:	For Approval of Academic Council
<p>Dr. G. Naresh Kumar suggested to add "Multi-disciplinary Optimization" (MDO) in the curriculum, so that students gain knowledge of multi-disciplinary optimization and system engineering approach.</p> <p>Dr. Rajkumar S Pant suggested to remove slender body theory, Unsteady and parameter estimation in LTA, instead of that, he suggested to add materials used in LTA.</p> <p>Dr. Rajkumar S Pant suggested to change UAVs as UAS in "1AEOE314: Introduction to Unmanned Aerial Vehicles".</p> <p>Dr. Rajkumar S Pant suggested replacing MATLAB in curriculum with open-source software (Sci-lab, XCOS, python), as students don't have unlimited access to the tools after the campus timing, which limits students' learning.</p> <p>Dr. Rajkumar S Pant, Dr. G. Naresh Kumar suggested to add Introduction to Artificial Intelligence & Machine Learning (AI & ML) in professional elective or to conduct short-term development program on AI & ML for students.</p>	

Item: 6 th BoS-4	To discuss and finalize the Honors and Minor Degree program on "Drone Design" and its curriculum
Note:	For Approval of Academic Council
<p>Dr. Rajkumar S Pant, Vice Chancellor Nominee and Dr. G. Naresh Kumar, Industry Representative felt that the word "Drone" is not fully appropriate and can be replaced by UAV.</p> <p>Dr. Rajkumar S Pant, Vice Chancellor Nominee suggested to remove "CAD" from the curriculum for the Honours/Minors program and to replace it with "Aircraft Design".</p>	



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Item: 6th BoS-5	To discuss and finalize the revised course outcomes for curriculum – 170 credit (SY, TY & B.Tech.) and 192 credit (B.Tech.)
Note:	For Information of Academic Council
<p>Dr. Rajkumar S Pant, Vice Chancellor Nominee and Dr. G. Naresh Kumar, Industry Representative did not make any comments and suggestions on the revised Course Outcomes. Dr. Rajkumar S Pant, Vice Chancellor Nominee and Dr. G. Naresh Kumar, Industry Representative informed that to go ahead with institute decisions.</p> <p>Revised COs for SY(170), TY(170) and B.Tech (192) were accepted by the BOS.</p>	

Item: 6th BoS-6	To discuss and analyze the Autonomous Results of the Academic Year 2020-2021
Note:	For Information of Academic Council
<p>The Departmental Exam Coordinator, Mr. Sanoj P Suresh, made a presentation of the results of the Academic Year 2020-2021 before the members of BoS. The results were satisfactory.</p>	

Item: 6th BoS-7	To discuss and analyze the placement and higher education statistics of Academic Year 2020-2021, Road map for placement and Higher Education in AY: 2021-2022
Note:	For Information of Academic Council
<p>The Training and Placement Coordinator, Mr. Oblisamy L, presented the report of placement and Higher Education statistics of Academic Year 2020-2021, highlighting the On-campus and Off-campus placement drives and offers received by the students. Key activities for the students regarding placements, Value Added courses, Mock Interviews, Programming Classes, Advanced Aptitude Classes, were highlighted before the BoS members.</p> <p>Number of students qualified for GATE exam increased from previous year.</p>	

The meeting ended with the Vote of Thanks by Dr. N. V. Raghavendra, Chairperson (BoS) & HOD, Department of Aeronautical Engineering.





संस्थेचे नांव

Name of Institution

Annasabeh Dange College of Engineering

and Technology, Ashta.

PROCEEDING

सभेच्या कामकाजाच्या

गजराज

Department of Basic Sciences.

General

05/07/2017

Tutorial Hall

१. सभेचा प्रकार

Kind of Meeting (Bos meeting)

३. सभेची तारीख

Date of Meeting

५. सभेचे स्थळ

Place of Meeting

२. सभेचा क्रमांक

Sr. No. of Meeting

01

४. सभेची वेळ

Time of Meeting

11:00 a.m.

६. सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची नांवे (हुद्यासह)

Name & Designation of Officials & Respectable persons present

Prof. R.A. Kanai

७. सभेचे अध्यक्ष Chairman Of the Meeting

Prof. S.S. Mohite (HOD)

विषय नंबर Subject No.	ठराव नंबर Resolution No.	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion
1	1	Passing the exam for the students - separate passing or individual overall passing.
	2	Communication Skill paper for final year students as per discussed in Bos meeting.
	3	Syllabus prepared by departmental faculty members is approved and send for approval of Academic Council.
	4.	Subjectwise following points were discussed - APPLIED physics. (a) The methodology to conduct ISE I & ISE II was discussed and finalized as written examination and poster presentation respectively. (b) Decision was taken to increase the numerical weightage to enhance the difficulty level of question paper. (c) Guidelines to draft question papers were discussed and finalized.

c. सभेस हजर असलेल्या सभासदांची नावे व सही Name & Signature of the members who were present at the meeting.

नं.	नांव	सही	नं.	नांव	सही
१	Prof. R.A. Kanai		११	Dr. A. M. Mulla	
२	Dr. L. Y. Waghmode		१२	Mr. A. L. Joshi	
३	Dr. N. D. Sangle		१३	Dr. S. H. Patil	
४	Prof. S. S. Mohite		१४	Mr. Z. D. Sande	
५	Dr. N. V. Nalawade		१५	Mr. P. V. Gokhale	
६	Dr. S. J. Patil		१६	Mr. S. M. Chavan	
७	Dr. K. V. Daldavi		१७	Mr. C. V. Suryavanshi	
८	Dr. S. B. Joshi		१८	Mr. R. B. Deshmukh	
९	Prof. P. P. Patil		१९	Mr. A. G. Shinde	
१०	Mr. K. A. Shinde		२०		

सभेपुढे विचाराकरिता आलेले विषय आणि उराव
Resolution & Subject placed before the Meeting for Discussion

शेरे आणि तारखेस
उरावाची अंमलबजावणी
Remarks & of action
taken on the resolution &
Date

Applied Mathematics-I & II.

- a) Specific reference books for concerned units were discussed.
- b) Discussion about addition of the application related examples.
- c) To form a unique text book for the benefit of students in their respective course. (Applied Mathematics I and II)
- d) To prepare a unitwise question bank for students.

Professional Communication.

- a) Contents in the framed syllabus need to be reduced.
- b) Difficulty level of the question papers should be maintained.
- c) Addition of a new practical entitled 'Reading a dictionary.'

Applied Chemistry.

- a) Instead of general terms use of specific terms.
- b) Finalization of total 13 experiments list, giving more importance to performing experiments.
- c) Finalization of methodology to conduct ISF I and ISF II as written examination and assignments respectively.



HOD
Department of Basic Science



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta
(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)
An Autonomous Institute
Department of Basic Sciences

Date: 30/06/2017

CIRCULAR

As per the circular dated 30/06/2017 you are appointed as a BoS member for the department of Basic Sciences. In this regard, I request you to attend the meeting on 06/07/2017 regarding finalization of credits, autonomy syllabus, audit courses and discussion on various aspects of autonomy.

I hereby request you to attend the meeting in Basic Science Department Seminar Hall at 11.00 a.m.

Sr. No.	Name of Member	Signature
1	Dr. N. D. Sangle	
2	Dr. S. H. Patil	
3	Mr. Z. D. Sande	
4	Mr. P. V. Gaikwad	
5	Mr. S. M. Chavan	
6	Mr. C. V. Suryavanshi	
7	Mr. R. B. Deshmukh	
8	Mr. A. G. Shinde	




Head
Department of Basic Sciences



Sant Dnyaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering & Technology, Ashta
(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)
An Autonomous Institute
Department of Basic Sciences

1st Meeting, Board of Studies

On

Thursday, 06th July 2017 at 11.00 am

- Agenda Item No. 1:** Welcome BoS members.
- Agenda Item No. 2:** Conferment of Autonomy
- Agenda Item No. 3:** Discussion about the guidelines given by academic council
- Agenda Item No. 4:** To discuss and finalize syllabus for Basic Science and Humanities Courses.
- Agenda Item No. 5:** Finalize the Mode of Conduct and Question Paper format required for various exams.
- Agenda Item No. 6:** Any other item with the permission of chair.



Annasaheb Dange College of Engineering and Technology, Ashta
Tal - Walwa, Dist-Sangli; India 416 301
(An Autonomous Institute)

Department of Basic Sciences

First BoS Meeting

Department of Basic Sciences

Following members were present for the First BoS Meeting held on Thursday, 06th July 2017 at 11.00 am at Seminar Hall of Department of Basic Sciences, ADCET.

Sr. No.	Name of Member	Designation & Address	Position
1	Mr. S. S. Mohite	HOD Department of Basic Sciences. ADCET, Ashta	Chairman
2	Dr. N. D. Sangle	Dean Academics, ADCET, Ashta	Member
3	Dr. K. V. Dalavi	Professor, COEP, Pune	Member
4	Dr. S. I. Patil	Professor, Dept of Physics, SP Pune University, Pune	Member
5	Dr. S. B. Joshi	Professor, WCE, Sangli	Member
6	Dr. N. V. Nalawade	Principal, The New College Kolhapur	Member
7	Prof. P. P. Patil	Associate Professor, J J Magdum College of Engg, Jaysingpur	Member
8	Mr. K. A. Shinde	Creative Engg. Pvt. Ltd. Palus	Representative From Industry
9	Mr. A.L. Joshi	Prima-Versa Technology Pvt Ltd, Pune 411038	Alumni
10	Dr. S. H. Patil	Assistant Professor ADCET	Member
11	Mr. Z. D. Sande	Assistant Professor ADCET	Member
12	Mr. P. V. Gaikwad	Assistant Professor ADCET	Member
13	Mr. S. M. Chavan	Assistant Professor ADCET	Member
14	Mr. C. V. Suryavanshi	Assistant Professor ADCET	Member
15	Mr. R. B. Deshmukh	Assistant Professor ADCET	Member
16	Mr. A. G. Shinde	Assistant Professor ADCET	Member



Annasaheb Dange College of Engineering and Technology, Ashta
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Department of Basic Sciences

First BoS Meeting

Department of Basic Sciences

Following members were present for the First BoS Meeting held on Thursday, 06th July 2017 at 11.00 am at Seminar Hall of Department of Basic Sciences, ADCET.

Sr. No.	Name of Member	Designation & Address	Position
1	Mr. S. S. Mohite	HOD Department of Basic Sciences. ADCET, Ashta	Chairman
2	Dr. N. D. Sangle	Dean Academics, ADCET, Ashta	Member
3	Dr. K. V. Dalavi	Professor, COEP, Pune	Member
4	Dr. S. I. Patil	Professor, Dept of Physics, SP Pune University, Pune	Member
5	Dr. S. B. Joshi	Professor, WCE, Sangli	Member
6	Dr. N. V. Nalawade	Principal, The New College Kolhapur	Member
7	Prof. P. P. Patil	Associate Professor, J J Magdum College of Engg, Jaysingpur	Member
8	Mr. K. A. Shinde	Creative Engg. Pvt. Ltd. Palus	Representative From Industry
9	Mr. A.L. Joshi	Prima-Versa Technology Pvt Ltd, Pune 411038	Alumni
10	Dr. S. H. Patil	Assistant Professor ADCET	Member
11	Mr. Z. D. Sande	Assistant Professor ADCET	Member
12	Mr. P. V. Gaikwad	Assistant Professor ADCET	Member
13	Mr. S. M. Chavan	Assistant Professor ADCET	Member
14	Mr. C. V. Suryavanshi	Assistant Professor ADCET	Member
15	Mr. R. B. Deshmukh	Assistant Professor ADCET	Member
16	Mr. A. G. Shinde	Assistant Professor ADCET	Member

The agenda of the meeting was as follow:

- Agenda Item No. 1:** Welcome BoS members.
- Agenda Item No. 2:** Conferment of Autonomy
- Agenda Item No. 3:** Discussion about the guidelines given by academic council
- Agenda Item No. 4:** To discuss and finalize syllabus for Basic Science and Humanities Courses.
- Agenda Item No. 5:** Finalize the Mode of Conduct and Question Paper format required for various exams.
- Agenda Item No. 6:** Any other item with the permission of chair.

Mr S S Mohite Head of Department welcomed to all BoS member. Prof. R. A. Kanai, Executive Director, ADCET felicitated to all the BoS members and announced conferment of autonomous status by UGC to ADCET. All the BoS members congratulated Executive Director for getting Autonomous status and appreciated the efforts taken by everyone.

Prof. S.S. Mohite, Head of Basic Sciences Department, presented guidelines given by academics council regarding autonomy and BoS members gave approval to the same.

Dr. N. V. Nalawade suggested that Professional Communication course should be practiced in both the semesters of F.Y. B.Tech. and there is so much of the content in Professional Communication syllabus which is hard to complete within given schedule, so it has to be minimized. After discussion Mr. S S. Mohite committed that some part of Professional Communication's syllabus will be introduced in some of the audit courses for higher classes wherever necessary as per requirement of respective departments.

Dr. S. I. Patil mentioned that there should be a separate passing in ISE & ESE instead of combined passing in both the examinations, as per the guidelines of academic council. But as institute is approaching for progressive autonomy and considering the intake quality it is preferred that combined passing in both the examinations.

Following decisions were taken with discussion, debate and suggestions of BoS members:

Course: Applied Physics (0BSBS101)

The BoS meeting was held on Thursday, 6th July 2017 at 11.00 a.m. in Department of Basic Sciences. Prof.S.I.Patil, Dept. of Physics, Savitribai Phule University, Pune, was the BoS member present for the meeting. The following points were discussed in the meeting:

1. Suggestion was given by him to introduce 'Propagation of electromagnetic waves' in Unit-I, as it will be helpful for the students to clear the concept of diffraction more effectively.
2. Decision was taken to change the name of the article, 'Ruby Laser' as 'Solid State Laser' in Unit III. In the same unit in 'Optical fibre', suggestion was given by him to start with 'Basic laws of refraction' to link with principle of optical fibre.
3. Decision was taken to add the article, 'Scanning Electron Microscope' in Unit VI 'Nano Physics'. This will be useful in sequential teaching and to fill minor gaps in curriculum.
4. Decision was taken to change the name of article 'Bragg's X-ray spectrometer' as 'X-ray Diffractometer' in Unit V 'Solid State Physics' for more justification.
5. The methodology to conduct ISE-I and ISE-II was discussed and finalised. After discussing on various assessment tools, written examination and poster presentation were finalised as methodology for ISE I and ISE II respectively. Evaluation scheme for poster presentation was also discussed. Poster presentation will develop the creativity amongst the students.
6. Decision was taken to increase the numerical weightage to enhance the difficulty level of question papers.
7. Guidelines were drafted for paper setters and nature of question paper for ISE I, MSE and ESE.

8. Decision was taken to add the experiment entitled 'Resolving power of Telescope' in Applied Physics Laboratory course. It will help students to clarify concepts like 'resolution'. It is also very useful for students to differentiate between the instruments like microscope and telescope, which are used in the day today life. The Applied Physics Lab course is revised with 14 experiments due to the addition of said experiment.

Course: Applied Mathematics – I (0BSBS102) & Applied Mathematics – II (0BSBS113)

The BoS meeting was held on Thursday, 6th July 2017 at 11.00 a.m. in Department of Basic Sciences. Dr. S. B. Joshi, , Dept. of Mathematics, Walchand College of Engineering, Sangli & Dr. K. V. Dalavi, Head, Dept. of Mathematics College of Engineering, Pune was the BoS member present for the meeting. The following points were discussed in the meeting.

After discussion about framed syllabus following decisions were taken,

- Specification of reference books unit wise:-
As there is no specific text book prescribe for our curriculum and to avoid confusion among students it was decided mention reference books unit wise.
- Addition of the application related examples:-
To create interest in students related Applied Mathematics real life examples or examples related to engineering are to be explained by faculty while teaching.
- Deletion of the word 'without proof' from framed syllabus:-
For better understanding of the concepts of theorems, proofs of respective theorems should be added in syllabus to enhance their thinking power.
- Addition of the 'Triple integral' in Applied Mathematics-II:-
It is decided to add triple integral which is helpful for finding surface and volume integral.

Also along with above decisions following suggestion was given by Experts:

- Formation of the institute level book to respective courses:-

It was suggested that to form unique institute level book of Applied Mathematics for each semester which can be referred as text book so student will easily understand the concepts effectively.

- Setting of question paper with answers:-

It was decided to solve set question by faculty itself so as to get better understanding that students are really able to cover the paper in time.

- Preparation of unit wise question bank:-

During the discussion in session it was decided to prepare of unit wise question bank. Question bank should be refer for the practice of the students such that the student will able to solve different types of examples

Course: Professional Communication (0BSBS106)

The BoS meeting was held on Thursday, 6th July 2017 at 11.00 a.m. in Department of Basic Sciences. Dr. N. V. Nalawade, Principal, The New College, Kolhapur was the BoS member present for the meeting. The following points were discussed in the meeting:

- Contents in the framed syllabus are too much, from different domains. Need to be reduced as it is not possible to cover effectively because of time constraint.
- Decision was taken to change the name of Unit I 'Grammar and Vocabulary', as 'Remedial Grammar' as it will give more justice to the contents.
- Decision was taken to delete 'Idioms and phrases, confused words, Homophones, homonyms' and add 'Subject verb concord and Reading a dictionary' in Unit I 'Grammar and Vocabulary'. This step is necessary for students to enhance their communication.
- Decision was taken to delete 'Nature and importance of communication' from Unit II 'Communication' as content seems too much.
- Decision was taken to delete 'Extempore, Meetings and News Writing' from Unit III 'Oral & Written Communication' as the deleted content is not much necessary for first year engineering students.

Department of Basic Sciences

- Decision was taken to delete 'Order letter, complaint letter and its reply, inspection report, investigation report' from Unit IV 'Professional Correspondence', because it comes under higher professional skills and it won't get much justice in the present context.
- Decision was taken to maintain the difficulty level of question papers as students have to study better for passing and scoring too.
- Decision was taken to add practical entitled, 'Reading a Dictionary' as students should know how to read a dictionary to understand meaning and relevance of words in different contexts.

Course: Applied Chemistry (0BSBS108)

The BoS meeting was held on Thursday, 6th July 2017 at 11.00 a.m. in Department of Basic Sciences. Prof. P. P. Patil, Dept. of Chemistry, Dr. J. J. Magdum College of Engineering, Jaysingpur was the BoS member present for the meeting. The following points were discussed in the meeting:

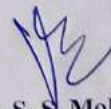
- Discussion was held on the teaching scheme and credits of Applied Chemistry course allotted by academic council.
- Decision was taken to finalize the names of six units in theory course.
- Decision was taken to change the name of Unit I 'Water' as 'Water Technology' which will be more suitable according to contents decided.
- Instead of general terms such as classifications, advantages and applications present in referred syllabi, the decision was taken to include more specific terms like 12 principles of green chemistry, research & industrial applications under the article 'Green Chemistry' in Unit-III.
- In Unit-IV, under 'Fuel cells' head, a decision was taken to include a particular type of fuel cell as H₂-O₂ fuel cell instead of all types of fuel cells. This addition will clear theory behind fuel cell as well as it is widely used fuel cell in many applications. Also it was

Department of Basic Sciences

decided to add 'Rechargeable Li-ion battery' in the same unit for making syllabus more application oriented.

- Decision was taken to finalize list of total 13 experiments in 'Applied Chemistry Laboratory' course. In this more importance was given to performing experiments instead of study and demonstration type of experiments. One of the experiment 'Determination of pH of given sample' was included which will help to enhance knowledge of analytical techniques of students.
- Discussion was held on the Mode of conduct of examinations for theory as well as laboratory Courses. After discussing on various assessment tools like assignments, viva voce, quizzes, seminars etc. finally written examination and assignment as a methodology were decided for ISE I and ISE II respectively.
- Guidelines were drafted for paper setters and nature of question paper for ISE I, MSE and ESE.

This meeting carried out in friendly and joyous atmosphere. Everyone heartily contributed in the meeting and after brainstorming some fruitful decisions taken as an outcome of the meeting. With the vote of thanks by Prof. S.S. Mohite, meeting was concluded.



Mr. S. S. Mohite,
Head,

Department of Basic Sciences

HOD
Department of Basic Science
Annasaheb Dange College of
Engineering & Technology, Ashta.



संस्थेचे नांव Annasaheb Dange College of Engineering
Name of Institution and Technology, Ashta

PROCEEDING
सभेच्या कामकाजाच्या

गजराज
Department of Basic Sciences
1. सभेचा प्रकार General (80s meeting)
2. सभेची तारीख 21/04/2018
3. सभेचे स्थळ Tutorial Hall
Kind of Meeting Date of Meeting Place of Meeting

2. सभेचा क्रमांक 02
3. सभेची वेळ 11.00 am.
Sr. No. of Meeting Time of Meeting

4. सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची नावे (हुद्यासह)
Name & Designation of Officials & Respectable persons present Prof. R.A. Kanai

5. सभेचे अध्यक्ष Chairman Of the Meeting Prof. S.S. Mohite (HOD)

विषय नंबर Subject No.	ठराव नंबर Resolution No.	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion
1.	1.	For mechanical, Automobile ; Aeronautical, Electrical & E & TC Engineering, Civil Engineering program, ESE program.
	2.	Addition of the 'Vector Integral - Line Integral Green's Theorem'
	3.	Name of unit I changed as 'Vector Calculus'
	4.	Decision was taken to keep maximum 4 text books. in list of text books.
	5.	Setting of question paper with answers
	6.	Preparation of unitwise question bank.
	7.	Program wise following points were discussed Applied Mathematics (III) (0MEBS201) Mechanical Applied Mathematics (III) (0ADBS201) Automobile Applied Mathematics (III) (0AEBS201) Aeronautical
	8.	(A) Instead of general terms in Unit VI & Unit VII include more specific terms.
	9.	(B) Particular terms from Unit II changed as 'Application of linear differential

c. सभेस हजर असलेल्या सभासदांची नांवे व सही Name & Signature of the members who were present at the meeting.

नं.	नांव	सही	नं.	नांव	सही
१	Prof. R. A. Kanai		११	Mr. P. V. Gaikarwal	
२	Dr. L. Y. Waghmode		१२	Mr. S. M. Chavan	
३	Dr. N. D. Sangle		१३	Mr. C. V. Suryavanshi	
४	Prof. S. S. Mohite		१४	Mr. R. B. Deshmukh	
५	Dr. D. B. Unde		१५	Mr. A. G. Shinde	
६	Dr. K. V. Dalvi		१६		
७	Dr. S. B. Joshi		१७		
८	Prof. P. P. Patil		१८		
९	Dr. S. H. Patil		१९		
१०	Mr. Z. D. Sande		२०		

सभेपुढे विचाराकरिता आलेले विषय आणि ठराव
Resolution & Subject placed before the Meeting for Discussion

शेरे आणि तारखेस
ठरावाची अंमलबजावणी
Remarks & of action
taken on the resolution &
Date

- equation to oscillatory electric circuit.
 (c) add condition for existence of Laplace transform.
 * Applied Mathematics - III (OCVAS201) Branch - Civil
 Unit no III removed and added "Partial Differential Equation" in it.
 * Statistics and Fuzzy Set (OCSSAS201) Branch - CSE
 Systems - III
 (a) Keep max^m 4 text books in list of books.
 (b) Mention reference books unitwise.



HOD
Department of Basic Science
Annasaheb Dange College of
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(An Autonomous Institute)

Department of Basic Sciences

2nd BoS Meeting

Department of Basic Sciences

Following members were present for the Second BoS Meeting held on Saturday, 21st April, 2018 at 11.00 am at Seminar Hall of Department of Basic Sciences, ADCET.

Sr. No.	Name of Member	Designation & Address	Position	Signature
1	Mr. S. S. Mohite	HOD Department of Basic Sciences. ADCET, Ashta	Chairman	
2	Dr. N. D. Sangle	Dean Academics, ADCET, Ashta	Member	
3	Dr. K. V. Dalavi	Professor, COEP, Pune	Member	
4	Dr. S. I. Patil	Professor, Dept of Physics, SP Pune University, Pune	Member	
5	Dr. S. B. Joshi	Professor, WCE, Sangli	Member	
6	Dr. N. V. Nalawade	Principal, The New College Kolhapur	Member	
7	Prof. P. P. Patil	Associate Professor, J J Magdum College of Engg, Jaysingpur	Member	
8	Dr. D. B. Unde	Professor, J J Magdum College of Engg, Jaysingpur	University Representative	
9	Mr. K. A. Shinde	Creative Engg. Pvt. Ltd. Palus	Representative From Industry	
10	Mr. A.L. Joshi	Prima-Versa Technology Pvt Ltd, Pune 411038	Alumni	
11	Dr. S. H. Patil	Assistant Professor ADCET	Member	
12	Mr. Z. D. Sande	Assistant Professor ADCET	Member	
13	Mr. P. V. Gaikwad	Assistant Professor ADCET	Member	
14	Mr. S. M. Chavan	Assistant Professor ADCET	Member	
15	Mr. C. V. Suryavanshi	Assistant Professor ADCET	Member	
16	Mr. R. B. Deshmukh	Assistant Professor ADCET	Member	
18	Mr. A. G. Shinde	Assistant Professor ADCET	Member	





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(An Autonomous Institute)

Department of Basic Sciences

The agenda of the meeting was as follow:

- Agenda Item No. 1:** Welcome BoS members.
- Agenda Item No. 2:** Review of autonomy work carried out in first year during academic year 2017-18.
- Agenda Item No. 3:** Discussion on AICTE and structure curriculum.
- Agenda Item No. 4:** Structure of Applied Mathematics III for all programs.
- Agenda Item No. 5:** Discussion on curriculum prepared by ADCET faculty for each program.
- Agenda Item No. 6:** Discussion on mode of assessment for ISE I and ISEII.
- Agenda Item No. 7:** Discussion on nature of question paper and format of question paper for MSE and ESE.
- Agenda Item No. 8:** Finalization of curriculum of Applied Mathematics III for S. Y. B Tech all program.
- Agenda Item No. 9:** Any other item with the permission of chair.

Mr S S Mohite Head of Department welcomed to all BoS member and felicitated to all the BoS members. Following decisions were taken with discussion, debate and suggestions of BoS members:

Course: Applied Mathematics – III

The BoS meeting was held on Saturday, 21st April 2018 at 11.00 a.m. in Department of Basic Sciences. Dr. K. V. Dalavi, Head, Dept. of Mathematics College of Engineering, Pune, Dr. S. B. Joshi, Department of Mathematics, Walchand College of Engineering, Sangli & Dr. D. B. Unde, Department of Mathematics, J. J. Magdum College of Engineerig, Jaysingpur were the



BoS members present for the meeting. After discussion about framed curriculum, branch wise following decisions were taken.

For Mechanical Engineering, Automobile Engineering, Aeronautical Engineering, Electrical Engineering, Electronics & Telecommunication Engineering and Civil Engineering program common decisions taken as,

- Addition of the 'Vector Integral – Line Integral, Green's Theorem':- It is decided to add 'Vector Integral – Line Integral, Green's Theorem' which is helpful for finding work done.
- Decision was taken to change the name of Unit I 'vector Differential Calculus' as 'Vector Calculus' which will be more suitable according to contents decided. It is also decided to add 1 lecture for completion of the prescribed content, so total number of lectures is 7 now.
- Number of text books:-
 Decision was taken to keep maximum 4 text books so that students can use it to understand the concepts. Remaining books from the list were added in the list of reference books. In addition it was decided to keep book 'Higher Engineering Mathematics' by Dr. B. S. Grewal as 1st text book in sequence as it covers maximum curriculum content.

Course: Applied Mathematics – III (0MEBS201)

Branch: Mechanical Engineering

Course: Applied Mathematics – III (0AUBS201)

Branch: Automobile Engineering

Course: Applied Mathematics – III (0AEBS201)

Branch: Aeronautical Engineering

- Instead of general terms such as 'Application of Differential Equation' in unit V, the decision was taken to include more specific terms 'Application of Laplace transform to solve Linear Differential Equation'. Also instead of 'Wave equation' in unit VI, decision was taken to include more specific terms 'One dimensional Wave equation'

Course: Applied Mathematics – III (0EEBS201)

Branch: Electrical Engineering

Course: Applied Mathematics – III (0ETBS201)

Branch: Electronics & Telecommunication Engineering

- Instead of particular terms such as 'L-C, L-C-R with $emf = p \cos nt$ ' in unit II, the decision was taken to include it as 'Application of Linear Differential Equation to oscillatory electrical circuit'.
- Decision was taken to add condition for existence of Laplace transform.

Course: Applied Mathematics – III (0CVBS201)

Branch: Civil Engineering

- Decision was taken to remove Unit III 'Finite Differences and Interpolation' and add 'Partial Differential Equation' which is helpful in civil engineering.

Course: Statistics and Fuzzy Set Systems – III (0CSBS205)

Branch: Computer Science & Engineering

- Number of text books:-

Decision was taken to keep maximum 4 text books such that students can use it to understand the concepts and added remaining books in reference list. In addition it was decided to add book 'Operation Research' by S. D. Sharma in text book list.

- Specification of reference books unit wise:-

As there is no specific text book prescribed for our curriculum, to avoid confusion among students it was decided to mention reference books unitwise.

Also alongwith above decisions following suggestion were given by Experts:

- Setting of question paper with answers:-

It was decided to solve set question by faculty itself so as to get better understanding that students are really able to cover the paper in time.

- Preparation of unitwise question bank:-

During the discussion in session it was decided to prepare of unitwise question bank. Question bank should be referring for the practice of the students such that the student will able to solve different types of examples.




HOD

**Department of Basic Science
Annasaheb Dange College of
Engineering & Technology, Ashta.**



संस्थेचे नांव
Name of Institution

Annasaheb Darge College of Engineering
and Technology, Ashra

PROCEEDING

सभेच्या कामकाजाचा

गजराज

Department of Basic Sciences

Tutorial Hall

१. सभेचा प्रकार
Kind of Meeting

General
(BOS Meeting)

३. सभेची तारीख
Date of Meeting

19/04/2019

५. सभेचे स्थळ
Place of Meeting

२. सभेचा क्रमांक
Sr. No. of Meeting

03

४. सभेची वेळ
Time of Meeting

11:00 am

६. सभेचा कोणी सन्माननीय वृहत्तर अथवा अधिकारी हजर असल्यास त्यांची नावे (हुद्दासह)
Name & Designation of Officials & Respectable persons present

७. सभेचे अध्यक्ष
Chairman Of the Meeting

Prof. S. S. Mohite. (HOD)

विषय नंबर Subject No.	ठराव नंबर Resolution No.	सभेपुढे विचारकरिता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion
	1)	It was decided to specify term as "Basics of petroleum refining" and addition example for batteries as "Li ⁺ ion batteries."
	2)	for electrical engg. dept. syllabus on applied mathematics-I, applied instead of Quadratic term add linear dependence & independence of vectors as it more related to previous matrix theory.
	3)	In civil engg. for applied physics update the reference books as per revised edition
	4)	In food technology, for applied Physics List of Lab. experiments discussed & approved
	5)	In food technology no. of hours allotted for each unit was discussed for chemistry.
	6)	It was recommended to have separate lab. for conduction of organic chemistry.

BOOK

वृत्तांताचे पुस्तक

सूचना - सभेस हजर असलेल्या सभासदांची नांवे गरजेप्रमाणे व जरूरीप्रमाणे स्वतः कागदावर लिहून ती या कामकाजास जोडावीत.

पान नंबर
Page No.

c. सभेस हजर असलेल्या सभासदांची नांवे व सही Name & Signature of the members who were present at the meeting.

नं.	नांव	सही	नं.	नांव	सही
१	Prof. R. A. Kanaj		११	Mr. A. L. Jashi	
२	Dr. L. Y. Waghmode		१२	Mr. Z. D. Sande	
३	Dr. N. D. Sangle		१३	Mr. P. V. Gaikwad	
४	Prof. S. S. Mohite		१४	Mr. C. V. Suryavanshi	
५	Dr. S. H. Patil		१५	Mr. R. B. Deshmukh	
६	Prof. D. B. Unde		१६		
७	Prof. P. P. Patil		१७		
८	Dr. B. B. Patil		१८		
९	Prof. Dr. N. V. Nalawade		१९		
१०	Mr. K. A. Ghinde		२०		

सभेपुढे विचाराकरिता आलेले विषय आणि ठराव
Resolution & Subject placed before the Meeting for Discussion

शेरे आणि तारखेस
ठरावाची अंमलबजावणी
Remarks & of action
taken on the resolution &
Date

7) Nature of question paper for examination was discussed & approved.

8) Most of suggestions regarding addition/reduction of content from theory/lab. courses

9) Use of standard rubric was prepared to make assessment more effective.

10) Recommendation/suggestions were implemented & draft syllabus prepared. It was presented in BOS meeting. Syllabus was finalised after approval of suggestions of experts.

Department of Basic Science
Amalashree Dange College of
Engineering & Technology, Ashta



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta
(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)
An Autonomous Institute
Department of Basic Sciences

Agenda
3rd Meeting, Board of Studies

On

Friday, 19th April 2019 at 11.00 am

Agenda Item No. 1:	Welcome BoS members.
Agenda Item No. 2:	Review of autonomy work carried out in first year during academic year 2018-19.
Agenda Item No. 3:	Discussion on discipline based curriculum of Physics, Chemistry, Mathematics-I & II, Professional Communication for all programs.
Agenda Item No. 4:	Discussion on curriculum of all courses for proposed Food Technology Program.
Agenda Item No. 5:	Discussion on mode of assessment for ISE I and ISEII of all programs.
Agenda Item No. 6:	Discussion on nature of question paper and format of question paper for MSE and ESE.
Agenda Item No. 7:	Finalization of discipline based curriculum of Physics, Chemistry, Mathematics-I & II, Professional Communication.
Agenda Item No. 8:	Finalization of curriculum of all courses for proposed Food Technology Program.
Agenda Item No. 9:	Any other item with the permission of chair.



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta
(Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to Shivaji University Kolhapur)
An Autonomous Institute
Department of Basic Sciences

Date: 15/04/2019

CIRCULAR

All BoS members of department of Basic Sciences are hereby informed that, 3rd meeting of BoS is arranged on Friday, 19/04/2019, regarding finalization of discipline based curriculum of F. Y. B. Tech program. Also to take review of autonomy work carried out in first year for academic year 2018-19.

I hereby request you to attend the meeting in Basic Science Department Seminar Hall at 11.00 a.m.

Sr. No.	Name of Member	Sr. No.	Name of Member
1	Dr. N. D. Sangle	5	Mr. S. M. Chavan
2	Dr. S. H. Patil	6	Mr. C. V. Suryavanshi
3	Mr. Z. D. Sande	7	Mr. R. B. Deshmukh
4	Mr. P. V. Gaikwad	8	Mr. A. G. Shinde

Head

Department of Basic Sciences

Dr. N. D. Sangle-

Dr. S. H. Patil-

Mr. Z. D. Sande-

Mr. P. V. Gaikwad-

Mr. S. M. Chavan-

Mr. C. V. Suryavanshi-

Mr. R. B. Deshmukh-

Mr. A. G. Shinde-

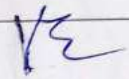





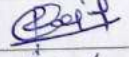






Department of Basic Sciences

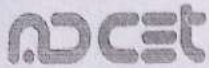
Third BoS Meeting

Department of Basic Sciences

Following members were present for the **third** BoS Meeting held on Friday, 19th April 2019 at 11.00 am at Seminar Hall of Department of Basic Sciences, ADCET.

Sr. No.	Name of Member	Designation & Address	Position	Sign
1	Mr. S. S. Mohite	HOD Department of Basic Sciences. ADCET, Ashta	Chairman	
2	Dr. N. D. Sangle	Dean Academics, ADCET, Ashta	Member	
3	Dr. K. V. Dalavi	Professor, COEP, Pune	Member	
4	Dr. S. I. Patil	Professor, Dept of Physics, SP Pune University, Pune	Member	
5	Dr. S. B. Joshi	Professor, WCE, Sangli	Member	
6	Dr. N. V. Nalawade	Principal, The New College Kolhapur	Member	
7	Prof. P. P. Patil	Associate Professor, J J Magdum College of Engg, Jaysingpur	Member	
8	Dr. Mrs. Bharati B Patil	Sanjay Ghodawat University, Atigre	Member	
9	Dr. D. B. Unde	Professor, J J Magdum College of Engg, Jaysingpur	University Representative	
10	Mr. K. A. Shinde	Creative Engg. Pvt. Ltd. Palus	Representative From Industry	
11	Mr. A.L. Joshi	Prima-Versa Technology Pvt Ltd, Pune 411038	Alumni	
12	Dr. S. H. Patil	Assistant Professor ADCET	Member	
13	Mr. Z. D. Sande	Assistant Professor ADCET	Member	
14	Mr. P. V. Gaikwad	Assistant Professor ADCET	Member	
15	Mr. S. M. Chavan	Assistant Professor ADCET	Member	
16	Mr. C. V. Suryavanshi	Assistant Professor ADCET	Member	
17	Mr. R. B. Deshmukh	Assistant Professor ADCET	Member	
18	Mr. A. G. Shinde	Assistant Professor ADCET	Member	





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Department of Basic Sciences

Program- Mechanical Engineering

Course- Engineering Physics [IMEBS106]

- In UNIT – I Interchange the sequence of subtopics as - Architectural acoustics and Ultrasonic
- In Unit-II, add the article Fractional refractive index change
- Update the reference books as per revised edition.

Course- Engineering Physics Laboratory [IMEBS155]

- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the title of experiment in detail
- Make a sequence of laboratory experiments as per the sequence of theory syllabus.

Course- Engineering Chemistry [IMEBS101]

- It was decided to include new beat in Unit 1 as “Units of Hardness”.
- In Unit 2 specific examples of thermosets should be included as phenol formakdehyde and urea formaldehyde
- The suggestion was given that specify the content in Unit 3 as “Factors Affecting Rate of Corrosion”.
- It was decided to specify term as “Basics of petroleum refining” and addition example for batteries as “Li-ion batteries”
- It was decided to add content as “Weight loss method” in Unit 6.

Course- Engineering Chemistry Laboratory [IMEBS151]

- The list of total 13 experiments was finalized. Specific names given to experiment number 10 & 12.

Course- Engineering Mathematics I [IMEBS102]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove ‘semicolon and definition’ after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don’t mention L Hospital’s Rule in curriculum as it is part of indeterminate forms.





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- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Engineering Mathematics II [1MEBS107]

- Instead of Mass of lamina make correction as Mass of plane lamina in Unit 6
- In Special functions change the sequence of content.
- Write change of order of integration only in content of Unit 6
- Remove Newton's Cotes Quadrature formula and mention Stirling Formula after Central difference in Unit 4
- Instead of Bernoulli's equation add equation reducible to linear differential equation in Unit 2.

Program- Electrical Engineering

Course- Applied Physics [1EEBS107]

- Suggestions given to modify the titles of the course as 'Applied Physics only.'
- In Unit-II add the article : Fibre optics and revised Unit Title as: Laser and Fiber Optics
- In Unit-III, add the numerical of nuclear fission.
- Update the reference books as per revised edition.

Course- Applied Physics Laboratory [1EEBS156]

- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the titles of experiment in detail
- Make a sequence of laboratory experiments as per the sequence of theory syllabus.

Course- Applied Chemistry [1EEBS102]

- It was decided to change name course as "Applied Chemistry" instead of "Applied Chemistry for Electrical Engineering".
- In Unit 1 a point "Advantages and Disadvantages of instrumental and non-instrumental methods" should be taught in beginning after Chemical analysis types.
- It was decided to include the beat "Introduction to electrolytic, electrochemical and galvanic cells" which will be helpful to students for revision and correlating the next contents in Unit 3.





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Course- Applied Chemistry Laboratory [1EEBS151]

- The list of total 12 experiments was finalized.
- Addition one new experiment, "Acid-base titration using potentiometer".

Course- Applied Mathematics I [1EEBS101]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove 'semicolon and definition' after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don't mention L Hospital's Rule in curriculum as it is part of indeterminate forms.
- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Applied Mathematics II [1EEBS106]

- Instead of Mass of lamina make correction as Mass of plane lamina in Unit 6
- In Special functions change the sequence of content.
- Write change of order of integration only in content of Unit 6
- Remove Newton's Cotes Quadrature formula and mention Stirling Formula after Central difference in Unit 4
- Instead of Bernoulli's equation add equation reducible to linear differential equation in Unit 2.

Program- Aeronautical Engineering

Course- Applied Physics Lab [1AEBS102]

- In UNIT - I interchange the sequence of subtopics as - Architectural acoustics and Ultrasonic.
- In Unit-II, add the article Fractional refractive index change.
- Update the reference books as per revised edition.

Course- Applied Physics Laboratory [1AEBS152]

- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the titles of experiment in detail





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- Make a sequence of laboratory experiments as per the sequence of theory syllabus.

Course- Applied chemistry [1AEBS107]

- In Unit 5 one method for prevention of corrosion was added- Metal Cladding.

Course- Applied Chemistry Laboratory [1AEBS156]

- The list of total 13 experiments was finalized.

Course- Applied Mathematics I [1AEBS101]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove 'semicolon and definition' after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don't mention L Hospital's Rule in curriculum as it is part of indeterminate forms.
- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Applied Mathematics II [1AEBS108]

- Instead of Mass of lamina make correction as Mass of plane lamina in Unit 6
- In Special functions change the sequence of content.
- Write change of order of integration only in content of Unit 6
- Remove Newton's Cotes Quadrature formula and mention Stirling Formula after Central difference in Unit 4
- Instead of Bernoulli's equation add equation reducible to linear differential equation in Unit 2.

Program- Civil Engineering

Course- Applied Physics [1CVBS101]

- Merge Unit-III and IV, entitled as – Unit-III Laser and Fiber Optics
- Change the Unit-V as Unit- IV Solid State Physics
- Change the Unit-VI as Unit- V Wave Optics
- add the new unit as Unit- VI Nano Physics
- Update the reference books as per revised edition.



Course- Applied Physics Laboratory [1CVBS152]

- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the titles of experiment in detail
- Make a sequence of laboratory experiments as per the theory syllabus.

Course- Applied Chemistry [1CVBS106]

- In Unit 2 new point was added, "Acceptable level of impurities in drinking water (As per international standards)"
- In Unit 3 specific method name was included as, "Wet Process".

Course- Applied Chemistry Laboratory [1CVBS156]

- The list of total 13 experiments was finalized. Specific names given to experiment number 10 & 12.

Course- Applied Mathematics I [1CVBS102]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove 'semicolon and definition' after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don't mention L Hospital's Rule in curriculum as it is part of indeterminate forms.
- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Applied Mathematics II [1CVBS107]

- Instead of Mass of lamina make correction as Mass of plane lamina in Unit 6
- In Special functions change the sequence of content.
- Write change of order of integration only in content of Unit 6
- Remove Newton's Cotes Quadrature formula and mention Stirling Formula after Central difference in Unit 4
- Instead of Bernoulli's equation add equation reducible to linear differential equation in Unit 2.



Program- Automobile Engineering

Course- Applied Physics [1AUBS101]

- In UNIT – I interchange the sequence of subtopic.
- In Unit-II, add the article Fractional refractive index change.
- Update the reference books as per revised edition.

Course- Applied Physics Laboratory [1AUBS152]

- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the titles of experiment in detail.
- Make a sequence of laboratory experiments as per the theory syllabus.

Course- Applied Chemistry [1AUBS106]

- It was decided to replace Unit 1, General principles of chemical Analysis with new topic as 'Lubricants'.
- Also sequence of Unit number 1, 2, 3 was decided to change.

Course- Applied Chemistry Laboratory [1AUBS156]

- The list of total 13 experiments was finalized. Specific names given to experiment number 10 & 12.
- It was decided to introduce one experiment as, "Determination of acid value of lubricating oil"

Course- Applied Mathematics I [1AUBS102]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove 'semicolon and definition' after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don't mention L Hospital's Rule in curriculum as it is part of indeterminate forms.
- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Applied Mathematics II [1AUBS107]

- Instead of Mass of lamina make correction as Mass of plane lamina in Unit 6

- In Special functions change the sequence of content.
- Write change of order of integration only in content of Unit 6
- Remove Newton's Cotes Quadrature formula and mention Stirling Formula after Central difference in Unit 4
- Instead of Bernoulli's equation add equation reducible to linear differential equation in Unit 2.

Program- Computer Science & Engineering

Course- Applied Physics

- **Engineering Physics must be a separate course**
- Merge Unit-II and III, entitled as – Unit-II Laser and Fiber Optics
- Change the Unit-III as Nuclear Fission and Fusion
- Change the Unit-IV as Solid State Physics
- Change the Unit - V as Band Theory of Solids
- add the new unit as Unit- VI Nano Physics
- Update the reference books as per revised edition.

Course- Applied Physics Laboratory

- **Also Engineering Physics Laboratory must be a separate course**
- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the titles of experiment in detail eg. Determine wavelength of Laser
- Make a sequence of laboratory experiments as per the theory syllabus

Course- Applied Chemistry

- It was strongly recommended that Chemistry must be included as separate course in curriculum of Computer Science & Engineering. Also all BoS members insisted to follow the AICTE guidelines.

- It was decided to include content related to computer software's in chemistry.
- A new experiment as "Demonstration of software's in chemistry" was included.

- For Computer Science and Engineering program Chemistry must be included as separate course in the curriculum which is also mentioned in AICTE guidelines.

Mathematics:

- **Modification of Course outcomes of AM I and AM II**
- Change the topic name in AM I
 1. "Statistical Methods " as "Curve Fitting and Statistics"
 2. "Expansion of Functions (One Variable) and Indeterminate forms" as "Expansion of Functions and Indeterminate forms"
- Change the topic name in AM II
 1. "Numerical Solution of first order first degree " as "Numerical Solution of Ordinary Differential Equation "
 2. "First order and first degree differential equation " as "Ordinary Differential Equation "
 3. "Multiple Integration" as "Multiple Integration and its application"
- Change the title of tutorial as per unit name and content.
- Update the reference book as per revised edition.

Professional Communication

- Change in title of first unit as 'Remedial Grammar' instead of Grammar only.
- Instead of too much content in it, teach all grammar related things under the title 'Sentence Correction'.
- For Aeronautical Engineering branch contents should be divided into I and II nd part as it have 2 different courses in both semesters.
- The difficulty level of practical's should be higher in second semester as compare to earlier semester to those who have the practical course in both semesters.
- Overall syllabus of theory and practical courses of all branches is fine and been appreciated.





Course- Applied Mathematics I [1CSBS101]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove 'semicolon and definition' after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don't mention L Hospital's Rule in curriculum as it is part of indeterminate forms.
- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Applied Mathematics II [1CSBS106]

- Remove Unit 3 'Interpolation' and add 'Numerical differentiation and Integration'
- Remove Muller's method and multiple roots by Newton's Method in unit 2.
- Change the name of unit 6.

Program- Food Technology

Course- Applied Physics [0FDBS108]

- Topics are relevant to programs
- Update the reference books as per revised edition

Course- Applied Physics Laboratory [0FDBS157]

- List of Laboratory experiments discussed and approved.
- Suggestions given to modify the titles of experiment in detail
- Make a sequence of laboratory experiments as per the theory syllabus

Course- Organic Chemistry-I [0FDBS101]

Course- Organic Chemistry Lab-I [0FDBS151]

Course- Inorganic Chemistry [0FDBS102]

Course- Inorganic Chemistry Laboratory [0FDBS152]

Course- Organic Chemistry-II [0FDBS106]

Course- Organic Chemistry Lab-II [0FDBS155]

Course- Analytical Chemistry [0FDBS107]

Course- Analytical Chemistry Laboratory [0FDBS156]



- Number of hours for all units was discussed and it shuffled according to contents of the units.
- It was recommended that for conduction of Organic Chemistry practical's separate laboratory is necessary.
- It was suggested that more number of reference and text books included in curriculum.

Course- Applied Mathematics I [0FDDBS103]

- Add content as Consistency of Linear system of Equation for homogeneous and non homogeneous equation.
- Remove 'semicolon and definition' after Rank of Matrix.
- Instead of Quadratic form add Linear dependence and independence of vectors as it more related to previous matrix theory.
- Don't mention L Hospital's Rule in curriculum as it is part of indeterminate forms.
- Remove 'Separation of Real and imaginary parts of Complex number'

Course- Applied Mathematics II [0FDDBS109]

- Instead of Mass of lamina make correction as Mass of plane lamina in Unit 6
- In Special functions change the sequence of content.
- Write change of order of integration only in content of Unit 6
- Remove Newton's Cotes Quadrature formula and mention Stirling Formula after Central difference in Unit 4
- Instead of Bernoulli's equation add equation reducible to linear differential equation in Unit 2.
- Remove unit 'Linear Differential Equation' and add 'Multiple Integration and Its Application'

Also alongwith above decisions following suggestions were given by Experts:

Physics

- The mode of assessment of Applied/ Engineering Physics for all programs of F.Y. B. Tech were discussed and approved.



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Chemistry

- The nature of question paper for internal as well as external exams was discussed and finalized.
- The mode of conduct of exam for internal examinations was discussed and it was decided that, ISE-I should be written examination and ISE-II should be MCQ. Also they suggested that difficulty level of MCQ paper must be high. For the same four different sets of papers will be prepared.
- Also they suggested to give more focus on project based learning.




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ADCE

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Department of Basic Sciences

Date 13/11/2021

4th Board of Studies Meeting

BoS Meeting is conducted for curriculum of new programmes:

- 1) Artificial Intelligence and Data Science
- 2) Computer Science and Engineering (Internet of Things, Cyber Security including Block Chain Technology)

on 13/11/2021 at 10.00 am in the presence of

- 1) Dr. Bharati Patil
- 2) Mr. Prashant P. Patil
- 3) Dr. Dilip B. Unde
- 4) Dr. N.V. Nalawade

Curriculum of following courses were discussed in detail

1. Applied Physics
 2. Applied Chemistry
 3. Applied Mathematics- I
 4. Applied Mathematics- II
 5. Professional Communication
1. **Applied Physics**

BoS member of Physics Dr. Bharati Patil suggested following changes

- Addition of points-Seven Crystal System, Relation between lattice constant and density of material, Fractional Refractive Index Change. Applications of



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nano- materials- General and specific to computer science , computer technology.

- Sequence of Unit – 1. Crystallography 2. Laser and Fibre optics. 3. Nano Physics
- Discussion on Assessment Tools- How to take spot presentation and poster presentation effectively.
- Addition of Reference Books.
 - i. Advanced Applications of 2D Nanostructures-- Subhash Singh, Kartikey Verma, Chander Prakash
 - ii. Introduction to Carbon Nanomaterials (Current and Future Developments in Nanomaterials and Carbon Nanotubes) -- Jagriti Narang (Author), C. S. Pundir (Author)

2. Applied Chemistry

BoS member of chemistry Mr. Prashant P. Patil, suggested following changes

- Change in practical syllabus : To remove an experiment related to Rate of Corrosion and replace it with a Demonstration of H_2-O_2 fuel cell, since this experiment is related to a theory part of syllabus which is fuel cells.
- Theory syllabus was set appropriately, according to him. So, there was no change suggested by him.
- He appreciated that, the number of relevant reference and text books are available as per curriculum.
- Relevant tools for appropriate evaluation in ISE were discussed.

3. Applied Mathematics-I

In meeting the detailed curriculum of Applied Mathematics-I were discussed. The following suggestions are prescribed by the BoS member

- Suggested in Unit I content Rank of Matrix, Normal form and Echelon form should be written as Rank of matrix by using the normal form and echelon form.



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- Suggested reword the title of Unit no. I Matrices and solution of linear system of equation as Matrices and solution of System of Linear Equations.
- Suggested change the title of unit no. 4 Curve Fitting and statistics as Curve Fitting.
- Relevant tools for appropriate evaluation in ISE were discussed.
- The books are enough and relevant as per curriculum designed by our faculty.

4. Applied Mathematics- II

In meeting the detailed curriculum of Applied Mathematics-II were discussed. As per discussion with BoS member the curriculum designed is more relevant for both programs.

5. Professional communication

BoS member of Professional communication Dr. N.V.Nalawade suggested following changes. After detail discussion about contents of reference books was conducted. No change was suggested in list of reference books. Expert suggested to make practical sessions inclusive or flipped type classroom.

Following suggestion

- Ensure students involvement while conducting practical sessions
- Increase the no. of practical session based on avoiding common errors.
- **Redefine Course outcome** (use word business correspondence instead of office correspondence).

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Department of Basic Sciences

Date 19/04/2019

3rd Board of Studies Meeting

Branchwise Curriculum- All Programmes

The BOS meeting was held on Friday 19th April 2019 at 11:00 a.m. in the Department of Basic Sciences. Dr. Bharati Patil S.G.U, Atigre, Dr. Prashant P. Patil and Dr. D.B. Unde, J.J. Magdum College of Engineering, Jaysingpur and Dr. N. V. Nalawade New Collage, Kolhapur were the board of members present for the meeting. After discussion about **framed curriculum branchwise**. In this meeting the following decisions were taken by considering the needs of the industrial demands in order to make professionally competent engineers.

Curriculum of following courses where discussed in detail for all the programmes:

1. Applied Physics
2. Applied Chemistry
3. Applied Mathematics- I
4. Applied Mathematics- II
5. Professional Communication

1. Applied Physics

BoS member of Physics Dr. Bharati Patil suggested following changes:

- The decision was taken to update the reference books as per revised edition for Civil Engineering for Applied Physics course.
- The decision was taken to add 'Thermal Physics' instead of 'Nuclear Physics'.

2. Applied Chemistry

BoS member of chemistry Dr. Prashant P. Patil, suggested following changes:

- It was decided to specify the terms as "basics of petroleum refining" and addition example for batteries as "Li ion Batteries" for Mechanical Engineering for Applied Chemistry.
- In food technology number of hours allotted for each unit was redefined for Applied Chemistry course.
- The decision was taken to have a separate lab for organic Chemistry for conducting practicals.



3. Applied Mathematics-I

In meeting the detailed curriculum of Applied Mathematics-I were discussed. The following points were suggested by the BoS member of Mathematics Dr. D. B. Unde

- The decision was taken to add 'Linear Dependence and Independence of vectors' instead of 'quadratic Form' in Unit III, as it more related to previous matrix theory.
- In Unit no. II the LU Decomposition method is added.
- Different tools for appropriate evaluation in ISE were discussed.
- It was decided to update the list of text books and reference books as per revised edition.
- The list of tutorials was discussed and approved.

4. Applied Mathematics- II

In meeting the detailed curriculum of Applied Mathematics-II were discussed. The following points were suggested by the BoS member of Mathematics Dr. D. B. Unde

- The decision was taken to add 'Applications to orthogonal trajectories' in unit II, so title of the Unit II is renamed as 'ordinary Differential Equation and Its Applications (1st order and 1st degree).
- It was decided to update the list of text books and reference books as per revised edition.
- The list of tutorials was discussed and approved.

5. Professional communication

BoS member of Professional Communication Dr. N.V. Nalawade instructed the following changes:

- To meet needs of professional world, it was suggested to make syllabus of Professional communication IELTS based.
- Students should learn keeping goals in minds and the concept of Portfolio should be added.



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- As professionals should know basics of professional correspondence. Introduction to professional correspondence needs to be retained.

The following common suggestions were given by the Experts:

- Nature of question papers for examination were discussed and approved for all the courses.
- List of Lab experiments were discussed and approved for all the courses.
- Preparation of unit wise question bank:
During the discussion in the meeting it was decided to prepare unit wise question bank. It should contain maximum number of questions so that the students can get abroad perspective of the questions.
- Detailed Discussion on different modes of In-semester examination conduction and evaluation were approved.

This meeting was held in a professional and pleasant manner. Each BoS member had suggested their valuable opinions regarding the updation of discipline wise curriculum. In order to improve quality measures lot of discussion and brainstorming sessions were conducted. Professor S. S. Mohite had thanked all the committee members for their valuable guidance and suggestions and the meeting was concluded.


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Department of Basic Sciences
HOD



गजराज

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Name of InstitutionAnnasaheb Dange College of Engineering
and Technology, Ashta.

PROCEEDING

सभेच्या कामकाजाच्या

Department of Basic Sciences

१. सभेचा प्रकार
Kind of MeetingGeneral (Bos
meeting)३. सभेची तारीख
Date of Meeting

13/11/2024

५. सभेचे स्थळ
Place of Meeting२. सभेचा क्रमांक
Sr. No. of Meeting

04

४. सभेची वेळ
Time of Meeting

10.00

६. सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची नांवे (हुद्यासह)
Name & Designation of Officials & Respectable persons present७. सभेचे अध्यक्ष
Chairman Of the Meeting

Prof. S. S. Mohite (HOD)

1/2

विषय नंबर Subject No.	ठराव नंबर Resolution No.	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव Resolution & Subject placed before the Meeting for Discussion
		BOS meeting : AI & Data science, IOT & Cyber security
		BOS meeting for following courses are conducted ① Applied physics and chemistry. ② Applied mathematics I & II ③ Professional communications.
		Suggestions by BOS members are as follows • Applied Physics : a) suggested sequence of units - 1) Crystallography 2) Laser and Fibre optics 3) Nano physics b) Points to be added - Seven crystal system, Relation bet ⁿ lattice constant & density of material. applications of nano materials. • Applied chemistry : a) suggested to remove practical to remove "rate of corrosion" and to replace it by demonstration of H ₂ O ₂ fuel cell.
		• Applied mathematics : a) suggested change in title of unit as curve fitting instead of curve fitting & statistics

BOOK

वृत्तांताचे पुस्तक

सूचना - सभेस हजर असलेल्या सभासदांची नांवे
गरजेप्रमाणे व जरूरीप्रमाणे स्वतः कागदावर
लिहून ती या कामकाजास जोडावीत.

पान नंबर
Page No.

C. सभेस हजर असलेल्या सभासदांची नांवे व सही Name & Signature of the members who were present at the meeting.

नं.	नांव	सही	नं.	नांव	सही
१	Prof. S.S. Mohite	1/2	११	Mrs S.S. Mohite	En
२	Ms. P. R. Phalake	P.R. Phalake	१२	Mr. R. B. Deshmukh	1/2
३	Ms. Y. S. Shaikh	Y.S. Shaikh	१३	Ms. A. N. Metkari	AN
४	Ms. C. V. Suryangli	C.V. Suryangli	१४	Mr. A. G. Shinde	Shinde
५	Mr. M. D. Patil	M.D. Patil	१५		
६	Mrs. V. M. Vaidat	V.M. Vaidat	१६		
७	Mr. A. G. Shinde	Shinde	१७		
८	Dr. Bharati B. Patil	B.Patil	१८		
९	Dr. N. V. Nalawade	N.V. Nalawade	१९		
१०	Mrs. S. D. Patil	S.D. Patil	२०		

सभेपुढे विचाराकरिता आलेले विषय आणि ठराव
Resolution & Subject placed before the Meeting for Discussion


शेरे आणि तारखेस
ठरावाची अंमलबजावणी
Remarks & of action
taken on the resolution &
Date

- ⑥ suggested title of unit 1 as "Matrices and solution of system of linear equations"
- ⑦ Content for unit 1 matrices & solution of system of linear equations - Rank of matrix by using Normal form & Echelon form.

- Professional Communication:
 - ① Increase no. of practical session based on avoiding common errors
 - ② Redefine course outcome no. 5 (use word Business correspondence instead of office correspondence)
 - ③

1/2.

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संस्थेचे नाव
Name of Institution

PROCEEDING BOOK

संस्थेच्या कार्यवाहीचे पुस्तक

सूचना - संस्थेचे हजेरा असलेल्या संस्थेसाठी वारी नोंदवण्यात आलेल्या सदस्यांनी वारी नोंदवण्यात आलेल्या वेळापत्रकात दिवस व वेळ नोंदवण्यात आलेल्या

पृष्ठ क्रमांक
Page No. 02

१. संस्थेचा प्रकार
Kind of Meeting

२. संस्थेचा क्रमांक
Sr. No. of Meeting

३. संस्थेचे अधिकारी व उच्च पदाधिकारी हजेरा असलेल्या व्यक्तींची यादी (सूचीबद्ध)
Name & Designation of Officers & Respected persons present

४. संस्थेचे अध्यक्ष
Chairman Of the Meeting

५. संस्थेचे स्थान
Place of Meeting

६. संस्थेचे दिनांक
Date of Meeting

७. संस्थेचे वेळ
Time of Meeting

८. संस्थेचे हजेरा असलेल्या व्यक्तींची यादी व सही
Name & Signature of the members who were present at the meeting

क्र.	नाव	सही	क्र.	नाव	सही
१			११		
२			१२		
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९			१९		
१०			२०		

विषय क्रमांक Subject No.	संस्थेचा क्रमांक Resolution No.	संस्थेचे विचारलेले प्रश्न व त्यांचे उत्तर Resolution & Subject placed before the Meeting for Discussion	संस्थेचे विचारलेले प्रश्न व त्यांचे उत्तर Resolution & Subject placed before the Meeting for Discussion	नोंद व उपाय Remarks & of action taken on the resolution & Date
		<p>credits (300 - Humanities and Social Sciences (HS) 06 credits, Basic Sciences (BS) 20 credits, Engineering Sciences (ES) 49 credits, Professional Subjects - Core (PC) 89 credits, Professional Subjects - Electives (PE) 3 credits, Open subjects Electives (OE) 3 credits, Project work, Seminar 16 credits.</p> <p>Structure of 3rd to Final Year B.Tech. was approved. Online courses (Such as NPTEL courses) shall be notified to the students. A prerequisite flow chart shall be prepared for all the courses.</p> <p>Agenda Item No. 4: To discuss and finalize Electives, Open Elective audit courses and Mandatory courses.</p> <p>Resolution 03: The list of open elective courses shall be open ended. A course (Subject) required industry shall be taken in the list of open elective courses. Project based learning shall be included in the curriculum of the individual courses.</p> <p>Agenda Item No. 4: To discuss and finalize the curriculum structure, evaluation scheme and curriculum of B.Tech.</p> <p>Resolution 04</p> <p>a. The curriculum structure, evaluation scheme and curriculum of B.Tech. courses were discussed and approved. All courses were suggested to include Reference books of international authors/publications.</p>	<p>b. Audit courses or Mandatory Courses like Energy Audit & management, advanced power electronics were suggested by the members of BOS</p> <p>c. The course contents for smart grid were suggested to minimize</p> <p>d. Industrial training of at least 6 weeks shall be made mandatory.</p> <p>e. Laboratory exercises should be based on both hardware and software</p> <p>f. Analysis should be emphasized for laboratory course.</p> <p>Agenda Item No. 5: To discuss and finalize names of Electives, Audit Courses & Mandatory Courses.</p> <p>Resolution 5: The list of open Elective courses shall be open ended. A course (Subject) required industry shall be taken in the list of Open Elective courses.</p> <p>Project Based Learning shall be included in the curriculum of the individual courses.</p> <p>While concluding the meeting, Mr. Rajendra B. Madhve mentioned that meeting was fruitful. All members were involved in the discussion. He also mentioned that</p>	



1. संस्थान का नाम
Name of Institution

PROCEEDINGS
संस्थान का नाम



सूचना - संस्था द्वारा आयोजित सम्मेलनों का सारोपचारिक व प्रारोपचारिक सार सारोपचारिक रूप में या सारोपचारिक प्रारोपचारिक

पृष्ठ संख्या
Page No. 05

2. संस्था का प्रकार
Kind of Meeting

3. संस्था का स्थान
Date of Meeting

4. संस्था का स्थान
Place of Meeting

5. संस्था का क्रमांक
Sr. No. of Meeting

6. संस्था का समय
Time of Meeting

7. संस्था के सदस्यों के नाम और उनके पदों के नाम (सूचना)
Name & Designation of Officials & Respectable persons present

8. संस्था के अध्यक्ष
Chairman Of the Meeting

9. संस्था द्वारा आयोजित सम्मेलनों के सदस्यों के नाम और उनके पदों के नाम (सूचना)
Name & Signature of the members who were present at the meeting

क्र.	नाम	पद	क्र.	नाम	पद
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विषय संख्या Subject No.	संस्था का संख्या Resolution No.	संस्था के सदस्यों के नाम और उनके पदों के नाम Resolution & Subject placed before the Meeting for Discussion	संस्था के सदस्यों के नाम और उनके पदों के नाम Resolution & Subject placed before the Meeting for Discussion	संस्था के सदस्यों के नाम और उनके पदों के नाम Remarks & if action taken on the motion & Date
		<p>Staff members of the department. The status for NBA visit on 3rd March 2018 and successful re-accreditation for the UG electrical Engineering program by NBA in Tier II for the period academic year 2017-18 to 2019-20 was communicated to the members of board of studies. All the members of board of studies were informed to the smooth and successful conduction first batch of B.Y. B.Tech & M.Tech autonomy curriculum.</p> <p>Agenda Item NO-2. Review of 1st BOS Meeting</p> <p>The 1st BOS Meeting was held on 15th July 2017. External members, Dr. P.V. Jasti, Dr. D. B. Kulkarni, Dr. B. R. Jasti, Dr. Vijay Limaye & Dr. Prabhu Yadav were present for the 1st BOS meeting. The meeting was started with conferment of status for Academic Autonomy awarded by Govt of University & UGC, New Delhi to members of BOS. The discussions have been carried out to finalize the syllabus of Basic Electrical Engineering course for B.Y. B.Tech & All courses of M.Tech. in Electrical Power Systems. The curriculum structure of B.Y. B.Tech, B.Tech & M.Tech. was presented and approved also to bridge the gap between academics and industry the addition of proper Electives, open Electives, and IT</p>	<p>Courses and mandatory courses has been discussed.</p> <p>Agenda Item NO-3: To discuss and finalize the B.Y. B.Tech Curriculum.</p> <p>Resolution 01:</p> <p>1) The curriculum structure, evaluation scheme of B.Y. B.Tech courses were discussed and approved.</p> <p>2) The changes or modifications of some of the courses such as Fundamentals of Power Systems, Instrumentation Techniques & Fundamentals of Communication and Software Packages were suggested by BOS Members.</p> <p>3) Free Course Electrical Circuits and Networks, suggested to remove the title of Unit 6: Transform Analysis. Also suggestions were given regarding Lab course to add the experiment, based on wave form generation and observation.</p> <p>4) In course: Electrical Engineering Materials, guidance provided to add the sub unit regarding Introduction to Nano-materials and application of it to Electrical Engineering.</p> <p>5) In Analog Electronics lab course the suggestion was given</p>	



Name of Institution

PROCEEDING BOOK

पुस्तक - संघ के द्वारा आयोजित सम्मेलनों की सभी प्रस्तावों व प्रतिक्रियाओं का संग्रहण तथा प्रत्येक की एक प्रतिलिपि उपलब्ध

पृष्ठ संख्या Page No 06

1. **सम्मेलन का प्रकार** Kind of Meeting _____

2. **सम्मेलन का क्र. सं.** Sr. No. of Meeting _____

3. **सम्मेलन का स्थान** Place of Meeting _____

4. **सम्मेलन का तिथि** Date of Meeting _____

5. **सम्मेलन का समय** Time of Meeting _____


6. **सम्मेलन में उपस्थित अधिकारियों व सम्माननीय व्यक्तियों के नाम (संभवतः)**
Name & Designation of Officers & Respectable persons present _____

7. **सम्मेलन के अध्यक्ष** Chairman of the Meeting _____

c. **सम्मेलन में उपस्थित व्यक्तियों के नाम व हस्ताक्षर** Name & Signature of the members who were present at the meeting

क्र.	नाम	हस्ताक्षर	क्र.	नाम	हस्ताक्षर
1			11		
2			12		
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विषय संख्या Subject No.	संख्या संख्या Resolution No.	सम्मेलन के प्रस्तावों और विचारों का संग्रहण Resolution & Subject placed before the Meeting for Discussion	सम्मेलन के प्रस्तावों और विचारों का संग्रहण Resolution & Subject placed before the Meeting for Discussion	सम्मेलन के प्रस्तावों और विचारों का संग्रहण Remarks & Actions taken on the resolution & Case
		<p>1) To change the title of expt No. 13</p> <p>a) In the syllabus of Electrical Measurements I to suggest to remove the mentioned word 'numerical aspect' at the end of each unit.</p> <p>2) The suggestions were given to modify the titles the list of Experiments of Electrical Measurement Lab for expt. No. 5, 6, 7 with the name of bridge</p> <p>b) In course D.C. Machines and Transformers, suggestions were given for unit 2, 4 & 6 to modify the article title</p> <p>c) Also in DC machines and Transformer Lab course the modification was suggested for expt No. 15.</p> <p>d) In Instrumentation Techniques and fundamentals of communication for the theory the directions were given to change the sequence of units</p> <p>e) Instrumentation and fundamentals of communication lab the guidance was provided to add expt. related to measurements using CT/PT and modify the expt No. 14.</p> <p>f) In course Software Packages the suggestions were given to focus more only on 2-3 software packages and modify</p>	<p>the list of experiments accordingly.</p> <p>Agenda Item No. 4: To discuss and finalize the Mode of Assessment.</p> <p>* Resolution 02:</p> <p>The mode of assessment for all d-y (B.Tech) courses were discussed and approved.</p> <p>* Agenda Item No. 5: Discussion on Bridge Course required.</p> <p>* Resolution 03:</p> <p>The discussion was conducted to inform the diff. bridge courses that are required to opt by the university admitted and failed students to enter in the Autonomous curriculum.</p> <p>* Agenda Item No. 6: Discussion on Open Electives & Electives.</p> <p>* Resolution 4:</p> <p>The modifications were suggested to modify the title of the Elective course - Power Quality & Harmonics.</p> <p>* Agenda Item No. 7: Any other discussion with the permission of BOS Meeting Chairman.</p>	

	नाईचे नाव Name of Institute: ADGET Ashra	PROCEEDING प्रसिद्धी प्रस्ताव	BOOK पुस्तिका प्रस्ताव
नाईचे विभाग Department of Electrical Engineering		पृष्ठ - नाईचे पत्र नाईचे प्रस्ताव नाईचे नाव नाईचे दिनांक नाईचे अधिकाऱ्यांचा नाव Page No: 15	
1. नाईचे प्रकार Kind of Meeting: BOS	2. नाईचे दिनांक Date of Meeting: 07/12/2019	3. नाईचे स्थान Place of Meeting: Classroom-05	
4. नाईचे क्रमांक Sr. No. of Meeting: 04	5. नाईचे वेळ Time of Meeting: 11:00 am.	6. नाईचे सदस्य नाईचे नाव नाईचे नाव नाईचे नाव नाईचे नाव नाईचे नाव Name & Designation of Officers & Respectable persons present	
7. नाईचे अध्यक्ष Chairman Of the Meeting: Dr. G.R. Kulkarni (HOD-Electrical)		8. नाईचे सदस्य नाईचे नाव नाईचे नाव नाईचे नाव नाईचे नाव नाईचे नाव Name & Signature of the members who were present at the meeting	
नाईचे अध्यक्ष Head Electrical Engineering Department ADGET, Ashra		नाईचे सदस्य नाईचे नाव नाईचे नाव नाईचे नाव नाईचे नाव नाईचे नाव Remarks & of action taken at the resolution & Date	
# "Minutes of Meeting" #			
# "4 th Board of Studies Meeting" # # (Saturday, 7 th Dec. 2019) #			
4 th BOS Meeting at Department of Electrical Engineering of ADGET, Ashra was planned on Saturday, 7 th Dec. 2019.		The meeting started at 11:30 am in Digital Classroom-III. Chairman - Dr. G.R. Kulkarni, welcomed all the members present. Prof. V.B. Patil, Secretary of Bos read the Agenda Items of 4 th Bos Meeting. He also introduced all the members of Bos with Outcome based Teaching Learning Implemented by the Department & the necessity of the change in Curricula from 192 Credits to 170 Credits & Gaps in the Curriculum & Mode of assessment to enhance the skill development of the students.	
Following members were present,		# Following Agenda Items discussed and Resolutions made during the meeting.	
Sr. No. Name Designation	# Agenda Item No.: of "To Confirm the minutes of 3 rd Bos Meeting held on 19/04/2019"		
1. Dr. G.R. Kulkarni	→ The minutes of 3 rd Bos Meeting were		
2. Dr. D.S. More			
3. Dr. D.B. Kulkarni			
4. Dr. A.N. Sawade			
5. Mr. J.M. Korse			
6. Mr. S.S. Kashid			
7. All faculty at EE.			



नाम व संस्था
Name of Institution

PROCEEDING
संस्था का पत्रिका

1. **बैठक का प्रकार**
Kind of Meeting

2. **बैठक का क्रमांक**
Sr. No. of Meeting

3. **बैठक की तिथि**
Date of Meeting

4. **बैठक का स्थान**
Place of Meeting

5. **बैठक का समय**
Time of Meeting

क. **बैठक में उपस्थित प्रमुख अधिकारी एवं सम्माननीय व्यक्तियों के नाम (पूर्णांक)**
Name & Designation of Officials & Respectable persons present

ख. **बैठक अध्यक्ष** Chairman Of the Meeting

Head
Electrical Engineering Department
ADGET, Jabalpur

BOOK
पुस्तिका

कृपया - बैठक का सारांश सचिवजी को
संस्थान के कार्यालय में, संस्थान
दिए ही सहायता के लिये

पृष्ठ संख्या
Page No. 16

→ **Continued**

ग. **बैठक में उपस्थित सदस्यों के नाम** Name & Signature of the members who were present at the meeting

क्र.	नाम	वर्ग	क्र.	नाम	वर्ग
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विषय संख्या Subject No.	प्रस्ताव संख्या Resolution No.	प्रस्तावित विषय का संक्षेप Resolution & Subject placed before the Meeting for Discussion	विषय संख्या Subject No.	प्रस्ताव संख्या Resolution No.	प्रस्तावित विषय का संक्षेप Resolution & Subject placed before the Meeting for Discussion	विषय संख्या Subject No.	प्रस्ताव संख्या Resolution No.	प्रस्तावित विषय का संक्षेप Resolution & Subject placed before the Meeting for Discussion
		Confirmed with the permission all members.			3. The CO-statement should be modified with correct action verbs and the contents of Measurement should be 50% and Instrumentation should be 50% in the course Electrical Measurement and Instrumentation (TEEPC203)			
		<p>## <u>Agenda Item No. 02:</u></p> <p>"To Inform the BOS members about the action taken on the suggestions made by BOS Members in 3rd Meeting."</p> <p>→ The documents showing the actions taken on the suggestions given by BOS Member in 3rd Meeting were presented to all the members in 4th Meeting.</p>			4. Modify the title of experiments in Electrical Circuit Analysis Laboratory (TEEPC251)			
		<p>## <u>Agenda Item No. 05:</u></p> <p>"To discuss and approve curriculum and structure of B.Tech (Old structure) and S.Y B.Tech. (New structure)"</p> <p>## <u>Resolution No. 01:</u></p> <p>To approve the structure & curriculum for B.Tech and S.Y. with following suggestions</p>			5. Change the titles of experiments and merge the expt. No. 7 & 8 in [TEEPC252]			
	1.	Modify the course objectives using correct action verbs in the course Electrical Circuit Analysis (TEEPC251)			6. Add one or two experiments based on power measurement using power analyzer in (TEEPC255)			
	2.	Modify CO-statements in "Analog Electronics. Add IC566 in CO-6 (TEEPC203)			7. To float the course with 2-Credits, for 100 Marks - programming in C++ (TEEBC254)			
					8. CO-statements and formatting changes in [TEEPC208]			



क्रमांक
Name of Institution

PROCEEDING

संस्थेच्या कार्यवाहीसाठी

1. कोणता प्रकार
Kind of Meeting

2. कोणता दिनांक
Date of Meeting

3. कोणता स्थान
Place of Meeting

4. कोणता क्रमांक
Sr. No. of Meeting

5. कोणता वेळ
Time of Meeting

6. कोणते अधिकारी व मान्यवरील व्यक्ती उपस्थित होते (सूचीत करा)
Name & Designation of Officers & Respected persons present

7. कोणता अध्यक्ष
Chairman Of the Meeting

Head
Electrical Engineering Department
AJCEET, Jalgaon

BOOK

संस्थेच्या पुस्तक

पुस्तक - कोणता पुस्तक संस्थेच्या कार्यवाहीसाठी उपस्थित आहे व कोणत्या वेळी उपस्थित होते याची नोंद घ्यावी.

पृष्ठ क्रमांक
Page No. 17


—Contintued

8. कोणत्या व्यक्तींनी उपस्थित होते व त्यांची स्वाक्षरी
Name & Signature of the members who were present at the meeting

क्र.	नाम	वर्ग	क्र.	नाम	वर्ग
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विषय क्रमांक Subject No.	प्रस्ताव क्रमांक Resolution No.	प्रस्ताव संश्लेषित करिते घ्यावे व त्याची नोंद घ्यावी Resolution & Subject placed before the Meeting for Discussion	प्रस्ताव संश्लेषित करिते घ्यावे व त्याची नोंद घ्यावी Resolution & Subject placed before the Meeting for Discussion	टीपणीस करावे अनुमोदन घ्यावे Remarks & of action taken on the resolution & Date
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	9.	Modification in course objectives, and to add i) Introduction to new tariff system in unit 2. ii) Voltage Regulation calculation in units. in the course fundamentals of power systems. i.e. (TEEP0209)	16: Modify of statement in the course - OEEPC01	
	10.	Add content Transformer Testing using IS2026 & DC Motor Testing using IS. in the course (TEEP0210)	17. Requires formatting changes. Modify "2.2 & 4" statements & add article "Introduction to PMU in the content of the course OEEPC402	
	11.	Head the course as Digital Electronics specially (TEEP0211)	18. Modify the course objective statement in OEEPC443	
	12.	Modify the objective statements, and all experiment titles, and remove Industrial Visit, Report from experiment list for Laboratory Course of DC Machines and Transformer (TEEP0255)	19. Add "Introduction to UPS & DVR" in Unit 6 also Instantaneous Power Theory" in OEEPC402.	
	13.	Experiment 11d to be modified for equal weightage. (TEEP0256)	20. Modify the Title of the course as "Renewable Energy Systems" and add "Interfacing of Renewable energy sources to Grid" in OEEPC405 - Open Elective	
	14.	Change the course title as "Simulation for Electrical Engineering". (TEEB0257)	21. Add article "RMU and RTU" in the OEEPC406	
	15.	Motivate the students for certification course in English proficiency. (TEEHS258)	22. Add content Battery management System and Advance Batteries in the course. OEEPC402	



नाम
Name of Institution

PROCEEDING BOOK

संस्थान कागजात

पृष्ठ सं. _____
Page No. _____

पृष्ठ सं. _____
Page No. _____

1. बैठक का प्रकार
Kind of Meeting

2. बैठक का क्रमांक
Sr. No. of Meeting

3. बैठक की तिथि
Date of Meeting

4. बैठक का समय
Time of Meeting

5. बैठक का स्थान
Place of Meeting

6. उपस्थित अधिकारियों व सम्माननीय व्यक्तियों के नाम (पूर्णांक)
Name & Designation of Officials & Respectable persons present

7. अध्यक्ष का नाम
Chairman Of the Meeting

8. बैठक पर उपस्थित सदस्यों की सूची
Name & Signature of the members who were present at the meeting

क्र.	नाम	पद	दि.	नाम	पद
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विषय सं.
Subject No.

संस्था सं.
Institution No.

बैठक के प्रस्तावित विषयों की सूची
Resolution & Subject placed before the Meeting for Discussion

बैठक के प्रस्तावित विषयों की सूची
Resolution & Subject placed before the Meeting for Discussion

दिनांक
Date

	<p>* Agenda Item No. 3: (i) To discuss and approve Curriculum Contents of final year B.Tech as per the first revision of Structure.</p> <p>(ii). To discuss and approve courses for Honors/ minor in Engineering under the Specialization of Electric vehicles.</p>	<p>"IEEHS409 - Project Management and Finance" as per the recommendations in the Academic Council. Moreover, the Students have the provision to opt "ICV&E 202 - Disaster Management" as an open elective Course offered by the Department of Civil Engineering in the VII Semester.</p> <p>Each course chairman presented the contents in their respective course curriculum as per the sequence of the structure. The Board of Studies members have gone through the proposed curriculum content of final year B.Tech, first revision and they were recommended and suggested the following</p> <ul style="list-style-type: none"> In the course IEEEA02 - Wind and Solar Energy Systems, the CO-6 needs to be changed. The concept of digital/ numerical relay to be emphasized in the course IEEEA03 - Switchgear & Protection. 	
	<p>* Resolution no. 3: (i) The structure for the first revision was presented to BOS members by the BOS Chairman. The members were emphasized to include "Internship / Industrial Training" in the final year B.Tech Structure. Based upon the suggestion, the course "IEEPR456 - Seminar" in the 7th Semester was replaced with "IEEPR456 - Internship / Industrial Training", since there is a scope for the students to present their training outcomes. At present, the total contact hours/week in the 7th Semester is 24 Hours/week instead of 36 hours/week. In addition, the course titled "IEEHS409 - Disaster management" offered by the department in the 8th semester was replaced with</p>		



नाम
Name of Institution

PROCEEDING BOOK
संस्थान का नाम
पत्रिका क्रमांक

पृष्ठ - संस्था द्वारा आयोजित सम्मेलनों की
संख्याओं व तिथियों का सूचीकरण
दिनांक की व सम्मेलन का स्थान

पृष्ठ क्रमांक
Page No. 26

1. **सम्मेलन का प्रकार**
Kind of Meeting

2. **सम्मेलन की तिथि**
Date of Meeting

3. **सम्मेलन का स्थान**
Place of Meeting

4. **सम्मेलन क्रमांक**
Sr. No. of Meeting

5. **सम्मेलन का समय**
Time of Meeting

6. **सम्मेलन में उपस्थित अधिकारियों व सम्माननीय व्यक्तियों के नाम (सूची)**
Name & Designation of Officials & Respectable persons present

7. **सम्मेलन अध्यक्ष** Chairman Of the Meeting

8. **सम्मेलन में उपस्थित सदस्यों के नाम व हस्ताक्षर** Name & Signature of the members who were present at the meeting

क्र.	नाम	हस्ताक्षर	क्र.	नाम	हस्ताक्षर
1			11		
2			12		
3			13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		

9. **संशोधन**

10. **संशोधन**

11. **संशोधन**

12. **संशोधन**

13. **संशोधन**

- The subtopics under the generation of impulse currents in the unit 4 need to be incorporated in the course IEEPE404 - High Voltage Engineering.
- In the course IEEPE403 - Industrial Automation & Servo, the industry personnel should be invited to deliver the guest lecture on the application area of the course.
- The Control schemes of five drives should be added in the course IEEPE411 - Industrial Drives.
- In the course IEEPE414, Electrical Installation, Testing & maintenance, the content of unit 4 has to be reduced. If required, such content can be given as a case study.

(ii) The courses to be offered for obtaining the Honor/Micro Degree under the specialization - Electric Vehicles have presented. The BOS members have given their consent to opt more course as per its availability.

The suggestions given by BOS members in respective courses were noted by the faculty members involved in the group of curriculum formation for the said course. It is resolved to incorporate the above mentioned suggestions and recommendations proposed by the BOS members.

* **Agenda Item no. 4:** To discuss and approve mode of assessment for curriculum content for final year B.Tech First semester.

* **Resolution no. 4:** Review made of assessment was done by BOS members. The suggestion in the modes assessment as per the scope and requirement of respective course was discussed. Each course chairman informed the BOS members about the assessment tools being used for continuous evaluation of students. mode of assessment for each course was got approved.

१) सभेचा प्रकार BOSS (C/D) ३) सभेची तारीख 13/11/2017 ५) सभेचे ठिकाण Civil
 २) सभेचा क्रमांक 01 ४) सभेची वेळ 10:00am
 ६) सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची (हुद्दासह) नावे : _____
 सभेचे अध्यक्ष - मान्यवर Dr. S.J. Arwika

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची अंमलबजावणी

- Agenda Item No.1: To inform regarding conferment of autonomy to the institute
- Agenda Item No.2: To discuss and finalize the S.Y. to B. Tech structure only
- Agenda Item No.3: To discuss and finalize Electives, Open Electives, audit courses and Mandatory courses
- Agenda Item No.4: Any other item with the permission of chair

Dr. S. J. Arwika Head of Department welcomed and felicitated to all the BoS members and announced conferment of autonomous status by UGC and Shivaji University, Kolhapur (SUK) to ADCET. All the BoS members congratulated Executive Director and Head of Department for getting Autonomous status and appreciated the efforts taken by everyone.

Dr. S. J. Arwika Head of Civil Engineering Department, presented guidelines given by academics council regarding autonomy and BoS members gave approval to the same.

Dr. M. M. Awati, Dr. S. N. Tande and Dr. P.S. Patil suggested to, separate group wise electives such as structural engineering, construction management, environmental engineering and hydraulics

All BoS member suggested to program elective I related to structural engineering, program elective II related to construction management, irrigation engineering, environmental engineering etc.

Dr. M. M. Awati suggested to add Introduction to surface friction in unit no 2. – "Equilibrium of forces" for course engineering mechanics

Dr. P. S. Patil and Dr. H. S. Jadhav suggested to add legal aspects in construction engineering subject as an elective for final year civil engineering students

Dr. Hanmant Magar-patil, Dr. S.N.Tande suggested to add various advanced software such as STTAD Pro., Primavera, MS project, Estimator for final year civil engineering curriculum



बुक

सभेच्या कामकाजाच्या वृत्तांचे पुस्तक

सूचना -

(प्रताप स्टोअर्स, इरलायपूर)
सभेस हजर असलेल्या सभासदांची नांवे गरजेप्रमाणे व जरूरीप्रमाणे स्वतंत्र कागदावर लिहून ती या कामकाजास जोडावीत.
पान नं.

७) सभेस असलेल्या सभासदांची नांवे व सहा					
अ.नं.	नांव	सही	अ.नं.	नांव	सही
१	Dr. S. J. Arwikaar		८	Mr. S. R. Patil	
२	Dr. M. M. Awati		९	Ms. S. B. Hivarekar	
३	Dr. H. S. Magee-Patil		१०	Ms. S. S. Mohite	
४	Dr. S. N. Gaude		११	Mr. R. V. Jadhav	
५	Dr. H. S. Jadhav		१२	Ms. C. R. Shah	
६	Dr. P. S. Patil		१३	Mr. P. A. Pisal	
७	Ms. P. D. Jadhav		१४	Ms. S. S. Tawade	
			१५	Mr. S. S. Narkhede	

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची अंमलबजावणी

All BoS member suggested to following changes in curriculum of Basic Civil Engineering subject (0BSES104)

- 1) Add practicals related to total station to find out area of plot. Also suggested to remove problems related to chain corrections.
- 2) Chaining and Ranging is outdated, but for basic introductory part kept as it is.
- 3) Building material and elements unit should be before principals of planning concepts
- 4) Revise the title of unit No.III.
- 5) Reduce contact hours from 42 to 40 hours.
- 6) In unit No. IV building materials and property transaction- only introductory contents of prestressed, precast, post tensioned should be kept (not in depth)
- 6) Reduce the contents of unit-V (Building Design and components of building)
- 7) Add more foreign author's book as reference books
- 8) Mode of conduction of ISE-I or ISE-II should be in MCQ/Assignment and oral.
- 9) Syllabus of Basic Civil Engineering and Engineering Mechanics is accepted with suggestions incorporated.



- १) सभेचा प्रकार BoS meeting ३) सभेची तारीख 24.04.2018 ५) सभेचे ठिकाण Civil seminar hall
-UG
२) सभेचा क्रमांक 02 ४) सभेची वेळ 10:00 am
६) सभेस फोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची (हुद्दासह) नावे : _____

सभेचे अध्यक्ष - मान्यवर Dr. S.J. Arwika - Head, Depart. of CIVIL Engineering

AGENDA

- No.1: Welcome to BoS members
- No.2: Review of autonomy work carried out in first year during academic year 2017-18 for Engineering Mechanics and Basic Civil Engineering.
- No.3: Discussion on structure and curriculum for S.Y. B.Tech Civil Engineering
- No.4: Discussion on curriculum prepared by ADCET faculty for each course.
- No.5: Discussion on mode of assessment for ISE I and ISE II.
- No.6 : Discussion on nature of question paper and format of question paper for MSE and ESE.
- No.7 : Finalization of curriculum of S. Y. B. Tech 2018-19.
- No.8 : Any other miscellaneous point with the permission of chair.

Dr. S. J. Arwika, Head of Department of Civil Engineering extended warm welcome and felicitated all the BoS members.

Dr. S. J. Arwika presented review of autonomy work carried out in first year during academic year 2017-18 for Engineering Mechanics and Basic Civil Engineering.

Dr. S. J. Arwika presented highlights of variation from SUK syllabus in course structures of S.Y B.Tech. (semester-III and IV). Also course structures of S.Y. B.Tech. (semester-III and IV) were discussed in length and subjectwise.

Following are the suggestions given by the BoS members:

1. More importance should be given to ESE-minimum 40% passing marks

Sr. No.	Subject	Suggestions
a	Building construction and materials	Add Bamboo as advanced material for reinforcement Add UPVC windows
b	Building design and drawing	Add types of building in Unit-1 Individual drawings should be prepared by students.



बुक

सभेच्या कामकाजाच्या वृत्तांताचे पुस्तक

सूचना -

(प्रताप स्टोअर्स, इस्लामपूर)

सभेस हजर असलेल्या सभासदांची नांवे गरजेप्रमाणे व जरूरीप्रमाणे स्वतंत्र कागदावर लिहून ती या कामकाजास जोडावीत.
पान नं.

७) सभेस असलेल्या सभासदांची नांवे व सहा

अ.नं.	नांव	सही	अ.नं.	नांव	सही
१	Dr. S.J. Arwkar		८	Mr. S.R. Patil	
२	Dr. M.M. Awati	-	९	Mr. S.B. Hivarekar	
३	Dr. H.S. Magar-Patil		१०	Mr. S.S. Mohile	
४	Dr. S.N. Tande		११	Mr. R.V. Jadhav	
५	Dr. H.S. Jadhav		१२	Mr. C.R. Shah	
६	Dr. P.S. Patil		१३	Mr. P.A. Pisal	
७	Mr. P.D. Jadhav		१४	Mrs. S.S. Tanavade	
			१५	Ms. Nasir Nalkwadi	

c	Auto CAD Lab	Introduction to sketch up software
d	Concrete Technology	Ferrow cement as special concrete
e	Concrete Technology Lab	Practical on high performance concrete Add more instruments of NDT if possible Comparison of strength for various grades of concrete
f	Strength of materials	More theory classes for unit 5 Calculation of loads if SFD and BMD are given.
g	Strength of materials Lab	Torsion test on rod Flexure test on timber Tile abrasion test
h	Engineering Management	More emphasis on HR management Site and labour handling

3. GATE based questions can be asked.
4. Course structures of Third Year and Final Year B.Tech. were discussed.
 - a) NPTEL courses can be added for self study.
 - b) Industrial safety subject can be added as open elective.
 - c) Add Prima Vera software.
 - d) Add Geotechnical Earthquake Engineering as subject.
 - e) Add Soil Structure Interaction as subject.



संस्थेचे नांव Annasaheb Dange College of Engg. & Technology Ashta.

प्रोसिडींग

१) सभेचा प्रकार BoS Meeting U.V ३) सभेची तारीख 28-4-2019 ५) सभेचे ठिकाण Civil Seminar Hall
२) सभेचा क्रमांक 03 ४) सभेची वेळ 10.00 am
६) सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची (हुदासह) नांवे : _____

सभेचे अध्यक्ष - मान्यवर Prof. S.S. Mohite - Head Dept of Civil Engg.

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची अंमलबजावणी
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AGENDA

No.1: Welcome to BoS members

No.2: Review of last meeting (Conducted on 24.4.2018)

No.3: Discussion on AICTE structure and curriculum and Structure for F.Y. B.Tech Civil Engineering for Academic Year 2019-2020 having total credits 168 and Finalization of curriculum of F.Y. B. Tech

No.4: Discussion on mode of assessment for ISE I, ISE II.

No.5 : Discussion on nature of question paper and format of question paper for MSE and ESE

No.6 : Finalization of curriculum of T. Y. B. Tech for academics year 2019 - 20

No.7 : Any other miscellaneous point with the permission of chair.

Prof.S.S Mohite Head of Department of Civil Engineering extended warm welcome and felicitated all the BoS members.

Prof.S.S Mohite presented review of autonomy work carried out in second year during academic year 2018-19

Prof.S.S Mohite presented Course structure from FY to B Tech for academic year 2019-20 and detailed syllabus of TY-Civil for academic year 2019-20

Following are the suggestions given by the BoS members:

Discussion of course structure

1. SY-Civil Change subject name from Building construction and material to Building Technology
2. SY-Civil Numerical methods shall be included in Maths
3. TY-Civil-Subject name soil mechanics shall be changed to Geotechnical Engg-I and Foundation engg. Shall be changed to Geotechnical Engg-II
4. TY-Civil Open electives like Disaster management ,Smart city and sustainable development, rehabilitation of building shall be offered.
5. TY-Civil- Equipment like bump indicator, pressure meter shall be incorporated in transportation lab
6. TY-Civil -reduce the content of Infrastructure Engg. Add TBM in syllabus conduct more visits of under construction and constructed Highway, Railway, Tunnel etc. Possible Focus more on recent trends in infrastructure.
7. B Tech-Civil Change name of open elective structural auditing to structural health monitoring
8. B Tech-Civil Change name of subject Estimation and costing to Estimation, costing and valuation.



HEAD
Civil Engineering Dept.
Annasaheb Dange College of
Engineering & Technology, Ashta. 418 201

बुक

सभेच्या कामकाजाच्या वृत्तांताचे पुस्तक

सूचना -

(प्रताप स्टोअर्स, इस्लामपूर)

सभेस हजर असलेल्या सभासदांची नावे गरजेप्रमाणे व जरूरीप्रमाणे स्वतंत्र कागदावर लिहून ती या कामकाजास जोडावीत.
पान नं.

(७) सभेस असलेल्या सभासदांची नावे व सहा

अ.नं.	नांव	सही	अ.नं.	नांव	सही
१	Dr. M. B. Kurmathukav.		८	Mr. S. R. Patil	
२	Dr. H. R. Magar Patil		९	Mr. S. B. Hivarekar	
३	Dr. S. N. Tande		१०	Dr. V. R. Thombare	
४	Dr. H. S. Jadhav		११	Dr. A. P. Patil	
५	Dr. P. S. Patil		१२	Mr. R. V. Jadhav	
६	Mr. P. D. Jadhav		१३	Mr. C. R. Shah	
७	Mr. Pravin Pise		१४	Mr. P. A. Pise	

15 Mr. Vaibhav Mali

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची अंमलबजावणी

9. Rectification in curriculum Structure of Civil Engineering Department as per the suggestions given by BOS.

It is decided that following changes are to be made before implementation of curriculum.

Sr.No	Description	Semester	In the control copy	Rectification suggested in BoS
1	Total number of credits	--	187	As per institute policy it should be 192
2	Course 0CVBS201	III	Name of course -Engineering Mathematics-III	It should be Applied mathematics-III
3	Course 0CVPC254	III	Name of course - CAD practice laboratory	It should be C- Programming laboratory
4.	Course 0CVPC261	IV	Name of course -Programming in Civil Engineering Laboratory	It should be CAD practice laboratory
5.	Credits of Semester	IV	23	It should be 22
6.	Credits of Semester	V	22	It should be 23
7.	Corse 0CVAC356	V	Name of course - Professional Lectures	It should be Professional Lectures and Skill Practices
8.	Corse 0CVPC401	VII	Name of course -Estimating and Costing ,Credits to Course are 3	Estimating and Costing ,Credits to Course should be 4
9.	Course 0CVPR452	VII	Name of course -Industrial training presentation	It should be made Course as General Proficiency Laboratory -II
10.	Credits of Semester	VII	25	It should be 26
11.	Course 0CVPR459	VIII	Name of course - Project Phase-II, given credits -6	Project Phase-II Credit- should be 10
12.	Credits of Semester	VIII	23	It should be 27



HEAD
Civil Engineering Dept.
Annasani, Engineering & Technology, Ashta. 416 301

संस्थेचे नांव _____

प्रोसिडींग

१) सभेचा प्रकार _____ ३) सभेची तारीख _____ ५) सभेचे ठिकाण _____

२) सभेचा क्रमांक _____ ४) सभेची वेळ _____

६) सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची (हुद्दासह) नावे : _____

सभेचे अध्यक्ष - मान्यवर _____

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची अंमलबजावणी

10. B Tech-Civil –professional elective shall be shifted to B Tech 8th sem from 6th sem semester and Earthquake resisting structures shall be shifted from 8th sem to 6th sem

Sr. No.	Name of Subject	Suggestions
a	Building Planning and Drawing	3D Elevation shall be removed Area of public building shall be restricted while giving to students(like 300-500 m2)
b	Infrastructure Engg	Reduce content of syllabus and Add TBM in syllabus Conduct more visits of under construction and constructed Highway, Railway, Tunnel etc. Possible Focus more on recent trends in infrastructure.
c	Theory of structure	Stiffness and flexibility matrix to be added in syllabus
d	Soft computing skill	List out only fields do not mention software names
e	Self study	Use NPTEL courses of 8 weeks for self study If listed courses are not available on NPTEL the similar courses may be incorporated
f	Design of Concrete Bridges	Remove structural audit unit and add prestressed concrete
g	Water supply Engineering	Content to be reshuffled
h	Engineering mechanics	Virtual work method and Graphical method for truss to included
i	Fundamental of civil engg.	Chaining to be removed
j	Mini Project	Increase content of Mini project
k	Remote sensing and GIS application in civil engg	Include Disaster management
l	Soil Mechanics	Don't make all experiment mandatory content is more make list and mention only required experiment
m	Foundation Engg.	Add site investigation report in syllabus
n	Design of Steel Structures	Exam Duration For 100 marks should be 4 hrs. Plate girder and Roofing system to be added



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Anna's University, Pune
Engineering & Technology, Anna's 416 301

Minutes of Meeting:

Item No.1: Welcome to BoS members

- Head of Department of Civil Engineering welcomed all the BOS members and thanked for attendance for this meeting and appealed to suggest changes which will be benefited by the civil engineering students..

Item No.2: Review of 3rd BoS meeting held on 20th April 2019

- The 3rd BoS meetings were conducted on 20/04/2019, all suggestion given during meeting were incorporated in the curriculum. Presentation on the initiatives implemented in the department according to the suggestions was made by the Head of department.
- The minutes of the 3rd meeting were circulated to all the members and the BoS committee resolved that the minutes of 3rd BoS meeting held on 20/04/2019 be confirmed.

Item No.3: Presentation on course curriculums.

- Head Department of Civil Engineering presented curriculum for final year B. Tech (192 credits) and curriculum for S. Y. B. Tech (168 Credits) which is prepared by concern course teacher by referring AICTE model curriculum, IITs and NITs institutes curriculum, University curriculum and Autonomous colleges curriculum.
- During framing curriculum domain wise courses are allocated to respective experts from BOS members so through discussion is take place for specific course.
- The BoS members and course teacher discussed in detail and finalized the course outcome of respective courses. Also a detailed discussion was made on deciding cognitive levels of CO's for courses.
- The suggestions and implementation given by the experts (course wise) is included in **Annexure I.**

Item No.4: Discussion on examination scheme.

- The internal examination like ISE I and ISE II of S. Y. B. Tech and final year B. Tech was discussed in depth. As per institute policy this examination will be having waigtage each



of 10 % and will be conducted by respective course teacher. The BOS members suggested that the mode of conduct of this examination will communicate well in advance to students. The activity based assessment will be preferred for same.

- as per institute policy ,following examination scheme was approved and finalized.

Theory Courses: In Semester Examination: 20 %
 Mid Semester Examination: 30 %
 End Semester Examination: 50%

Laboratory courses and project: In Semester Examination: 50%
 End Semester Examination: 50%

Item No 5: Discussion on mode of assessment for internal assessment of students.

- BoS members suggested to conduct activity based assessment for In Semester Examination.
- Following some assessment methods were suggested for different courses

Sr. No.	Assessment method	Course Name
1	Jigsaw puzzle	Advance Surveying, Engineering management, Concrete Technology, Estimating and Costing etc.
2	Model making	Engineering Geology, building design and drawing etc.
3	Poster presentation	Fluid mechanics, Environmental engineering etc.
4	Presentations and seminar	Infrastructure engineering, Water resources engineering

Item No.6: Discussion on question paper pattern.

- Question paper pattern for MSE and ESE examinations was discussed in depth and finalized.
- Following suggestions given by the BoS members.
 - All the COs should have equal weightage.
 - The question paper quality should be checked from experts outside the institute.
 - Question paper should be set by referring Bloom taxonomy.



Item No.7: Any other item with the permission of chair

- BOS members suggested that the include courses like PSP, software oriented courses, expertise from industry person, entrepreneurship enhancement courses for knowledge up gradation.
- BOS members suggested to buy civil engineering software's like REVET ,STADPRO, ETAB and other.

Meeting ended with vote of thanks by Dr. A. P. Patil, BOS members were appreciated for the efforts put by all the faculties for framing curriculum and thought process applied..



Annexure 1

Final Year B. Tech (192 Credits)			
Sr. No.	Course Name	Course Code	Suggestions given by BoS members
1	Estimating and Costing	0CVPC401	<ul style="list-style-type: none"> • Important to cover detailed estimate of framed structure instead of load bearing structure • In unit no 4. Add e-tendering and PPP models • Show models of beam, column footing for bar bending schedule as real life examples
2	Estimating and Costing Laboratory	0CVPC451	<ul style="list-style-type: none"> • For preparing measurement sheet and abstract sheet of detailed estimate of G+1 residential building use excel sheet or estimator software
3	Design of concrete structures I	0CVPC402	<ul style="list-style-type: none"> • Include continues beam in unit no.4 • Remove flat slab design in unit no.3 • Remove design of design of trapezoidal footing in unit no.6
4	Earthquake Resistant Structures	0CVPC403	<ul style="list-style-type: none"> • Curriculum sequence should be proper. • Include updated IS Code 1893:2016 Part – I, in curriculum used in problems of base shear in unit 5. • Include just introduction of other seismic analysis method in unit 5.
5	Economics and Management	0CVOE415	<ul style="list-style-type: none"> • Include a separate unit on project economics terms, project feasibility and profitability • Include in Unit 5 Business environment, Business ethics & economic • Remove various acts like minimum wages act, workman compensation act, child labour act etc.
6	Structural Audit	0CVPE428	<ul style="list-style-type: none"> • Semi destructive testing like UPSV test, Carbonation test, half-cell potentiometer test should be added in unit no. 4
7	Safety aspects in Construction	0CVPE430	<ul style="list-style-type: none"> • Change the name of subject safety in construction as Safety Aspects in Construction • Add Unit about safety management system, Safety culture • Add safety standards & legislation • Remove safety policy, safety organization safety plan as it cover in subject Project Management
8	Project Management	0CVPC422	<ul style="list-style-type: none"> • Include site layout of construction project will be added in unit no.1 • Include cycle time and product time of all construction equipments in unit no.4
9	Soft Computing Skills Laboratory-II	0CVES453	<ul style="list-style-type: none"> • Include various software from different fields in civil engineering



10	Hydraulic Structures, HRD	0CVPE409 0CVOE412	<ul style="list-style-type: none"> • Revise CO's to more than level 3 • Change ISE- 1 from written test to activity based method
11	Structural Design and Drawing II	0CVPC458	<ul style="list-style-type: none"> • Need to remove design of footing in experiment no.2 • Importance to real life examples to be covered
12	Entrepreneurship	0CVPC423	<ul style="list-style-type: none"> • Include recent five years plan for MSME • Include SWOC Analysis
13	Entrepreneurship Laboratory	0CVPC457	<ul style="list-style-type: none"> • Recommended to do project on any product for entrepreneurship

second

Final Year B. Tech (168 Credits)

Sr. No.	Course	Course Code	Suggestions given by BoS members
1	Advanced Surveying	1CVPC202	<ul style="list-style-type: none"> • Include recent survey method like satellite survey and drone survey in photogrammetric survey chapter no. 3
2	Advanced Surveying Laboratory	1CVPC252	<ul style="list-style-type: none"> • Conduct all experiments by using total station rather than tachometry, theodolite etc.
3	Fluid Mechanics	1CVPC203	<ul style="list-style-type: none"> • Include performance characteristics curves of turbine in unit no. 2 • Include current meter in open channel flow in unit No.3
4	Strength of Materials	1CVPC204	<ul style="list-style-type: none"> • It is decided that include preparation of loading diagram from SFD and BMD. • it is discussed that Strain energy topic will be included in the strength of material instead of long column.
5	Building Technology	1CVPC205	<ul style="list-style-type: none"> • Include various types of composite masonry walls, reinforced brick masonry in unit no.2 • Include types of mortar for masonry in unit no.2
6	Building Technology Laboratory	1CVPC255	<ul style="list-style-type: none"> • Include market survey of item rates of various building construction units like foundation, beam, column, slab etc.
7	Engineering Management	1CVHS206	<ul style="list-style-type: none"> • Include different theories like Neoclassical and Maslow's theory for management in unit 1
8	Structural Analysis	1CVPC207	<ul style="list-style-type: none"> • In the long column both theories will be covered in this structural analysis instead of theories of failure.



9	Water Resources Engineering	1CVPC208	<ul style="list-style-type: none"> • Include Streams gauging and flood estimation in the syllabus.
10	Building Design and Drawing	1CVPC209	<ul style="list-style-type: none"> • Include building planning by laws & regulations as per SP-7 1983, national building code of India in unit no. 1
11	Building Design and Drawing Laboratory	1CVPC256	<ul style="list-style-type: none"> • Experiment No. 4,5, 6, 7 (Working Drawing of G+1 residential building) should be on AUTO CAD
12	Concrete Technology	1CVPC210	<ul style="list-style-type: none"> • Include concrete mix design by ACI 211.1-91 for high strength concrete

[Handwritten Signature]



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- १) सभेचा प्रकार B.O.S. Meching U.G. ३) सभेची तारीख ०४-०१-२०२० ५) सभेचे ठिकाण Civil Seminar Hall
२) सभेचा क्रमांक ०४ ४) सभेची वेळ १०:०० a.m.
६) सभेस कोणी सन्माननीय गृहस्थ अगर अधिकारी हजर असल्यास त्यांची (हुद्दासह) नावे :

सभेचे अध्यक्ष - मान्यवर Mr. S.S. Mohite, Head of Department, Civil Engineering

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची
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AGENDA

Item No.1: Welcome to BoS members

Item No.2: Review of 3rd BoS meeting held on 20th April 2019

Item No.3: Presentation on course curriculums

Item No.4: Discussion on examination scheme

Item No 5: Discussion on mode of assessment for internal assessment of students.

Item No.6: Discussion on question paper pattern

Item No.7: Any other item with the permission of chair



बुक

सभेच्या कामकाजाच्या वृत्तांताचे पुस्तक

सूचना -

(प्रताप स्टोअर्स, इस्लामपूर)
सभेस हजर असलेल्या सभासदांची नावे गरजेप्रमाणे व जरूरीप्रमाणे
स्वतंत्र कागदावर लिहून ती या कामकाजास जोडावीत.
पान नं.

७) सभेस असलेल्या सभासदांची नावे व सहा

अ.नं.	नांव	सही	अ.नं.	नांव	सही
१	Mr. S.S. Mohite		८	Mr. S.B. Hivarekar	
२	Dr. Y.M. Ghugal		९	Dr. A. P. Patil	
३	Dr. M.B. Kumthekar		१०	Mr. R.A. Patil	
४	Mr. Hanmant Nagar-Patil		११	Mr. R. R. Chavarekar	
५	Mr. D.S. Patil		१२	Mr. R.V. Jadhav	
६	Mr. Chidambar S. Kobbhaskar		१३	Mr. P.G. Chandak	
७	Mr. Aman Agrawal		१४	Mrs. V.M. Patil	

विषय नं.	ठराव नंबर	सभेपुढे विचाराकरिता आलेले विषय आणि ठराव	शेरे व तारखेसह ठरावाची अंमलबजावणी
		15) Mr. G.S. Kete.	
		16) Mr. C.R. Shub	
		17) Mr. A.G. Mujawar	
		18) Mr. P.A. Pisal	
		19) Mr. M.M. Bhanuse	
		20) Mr. S.S. Patil	
		21) Mr. P.A. Mali	
		22) Mr. A.A. Bhatkar	
		23) Mr. M.A. Mursal	
		24) Mr. A.D. Patil	
		25) Mr. K.K. Shinde	
		26) Mrs. S.S. Pujari.	

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(Approved by AICTE, New Delhi, Govt. of Maharashtra.
Affiliated to Shivaji University, Kolhapur)

Ref. ADCET / Civil / 98

Date : 08/02/2021

Department of Civil Engineering

All the members of "Board of Studies" are invited for an online meeting which is scheduled on Thursday 11-02-2021 at 10.30 am. The agenda of meeting is as below.

Agenda of Meeting

1. Review of 4th BoS meeting held on 4th January 2020
2. Discussion on T.Y.B. Tech course curriculum.
3. Discussion about value added courses
4. Discussion regarding Dual Degree Courses.
5. Discussion on Question paper pattern.
6. Discussion on 'Minor degree course's and 'Honours Degree courses'.
7. Any other points for discussion with permission of chair person.

Mr. S. S. Mohite

(HOD-Civil Engineering)



Board of Studies: Minutes of meeting

- The meeting on online platform for “Board of Studies” was held on Thursday 11-02-2021 at 11.00 am under chairmanship of Head of Civil Engineering Department.
 - Following members were participated in online meeting
 - Dr. M. B. Kumthekar
 - Dr. Y. M. Ghugal
 - Dr. H. R. Magar-Patil
 - Er. Aman Arawal
 - Head of department
 - All faculty members of Civil Engineering Department.
- One by one agenda points were discussed and very accountable input were received from BOS members.

1: Review of 4th BoS meeting held on 4th January 2020.

- The 4th BoS meeting held on 4th January 2020, all points discussed in the same meeting were read by chairman and suggestion are also discussed. All suggestions are implemented during framing 192 credit curriculum and 168 credited curriculum.

2: Discussion on T. Y. B. Tech course curriculum.

- Head of Department presented the curriculum for T. Y. B. Tech (168 credits) which is prepared by concern course teachers with reference to curriculum of AICTE, IIT's, NIT's, SUK, Autonomous institute's and as per the requirements of industries.
- Suggestions given by the experts are mentioned in the **Annexure 1**

3: Discussion about value added courses, Minor courses and Honor degree courses.

- **Value Added courses.**

BoS Members suggested that give the courses like NPTEL, MOOC which will emphasis on the skill enhancement of students. Conduct more courses of different software and upgrade students.
- **Honor And Minor Degree Courses**
- Department of civil engineering ADCET Ashta is planning to offer Honor and Minor programs in following areas of civil engineering.
 - **Project Management Finance, and marketing.**
 - **GIS, GPS and Remote Sensing**
- The program is designed considering the guidelines given in AICTE Approval Process Handbook 2018 and 2020-21.
- Following points are considered for designing the program:



- The minimum additional Credits for such Program shall be in the range of 18-20 and the same shall be mentioned in the degree, as specialization in that particular area.
- If students from Civil engineering department undertake the program (Project Management Finance and marketing) and complete the said number of additional extra credits (apart from regular) he/she will be entitled for B.Tech (Hons.) Civil Engineering with specialization in Project Management Finance and marketing.
- If students from other department undertake the program and complete the said number of additional extra credits (apart from regular) he/she will be entitled for a degree in the parent department with a MINOR form Civil Department.
- The courses for the program will be provided using Face to face and MOOCs. Plan of floating courses for 18 credits to earn the degree is as follows.

Year	Semester	Course	Credit
Third	I	Face to Face	3
		MOOC	3
	II	Face to Face	3
		MOOC	3
Final Year	I	Face to face/MOOC	2
		Project	4

- **Details of Programs**

Following courses (not limited to the given list) will be offered for a particular program

- **Project Management, Finance and marketing.**
 - Organizational Behavior
 - Business Statistics
 - Introduction to finance and accounting
 - Sustainable Project Management
 - Introduction to Labor management relations



- Principles of Marking
- Online Courses available on various platforms like EDx, SWAYAM, NPTEL, COURSERA (Which fit in the domain area and Academic calendar of the Institute)
- **GIS, GPS and Remote Sensing**
 - Fundamental of Remote Sensing
 - Fundamentals of GIS and GPS
 - Basics of Photogrammetry
 - Digital Image processing
 - Advance Surveying and field work
 - Open Source GIS
 - Online Courses available on various platforms like EDx, SWAYAM, NPTEL, COURSERA (Which fit in the domain area and Academic calendar of the Institute).
 - The effort taken by the faculty members for framing the curriculum is appreciated by the members.
- At the end Mr. S S. Mohite (HOD) presented the Vote of Thanks.

Prof. S. S. Mohite
HOD-Civil Department



Annexure 1

T. Y. B. Tech (168 Credits)

Sr. No.	Course Name	Course Code	Suggestions given by BoS members
1	Remote Sensing & GIS Applications	1CVOE302	<ul style="list-style-type: none"> • Satellite remote sensing, Drone technology, Radar and Lidar techniques should be added. • Aerial photography should be removed.
2	Geotechnical Engineering I	1CVPC304	<ul style="list-style-type: none"> • For GTE-II course name may Foundation Engineering. • Give exposure regarding Pile (Deep) foundation by site visit.
3	Engineering Geology	1CVPE306	<ul style="list-style-type: none"> • Add application based content.
4	Town Planning & Traffic Engineering	1CVPE309	<ul style="list-style-type: none"> • .Add sustainability, smart city content.
5	Safety Aspects in Construction	1CVPE309	<ul style="list-style-type: none"> • Add contents regarding fire audit.
6	Building Planning & Drawing Laboratory	1CVPC352	<ul style="list-style-type: none"> • Public building should be minimum G+1 • Add drawing of foundation plan
7	Open Channel Flow Laboratory	1CVPE355	<ul style="list-style-type: none"> • Views of experts from Hydraulics should be considered.
8	Town Planning & Traffic Engineering Laboratory	1CVPE356	<ul style="list-style-type: none"> • Classification of IRC loading, Design of actual load on road should be added.
9	Professional Skill Practices	1CVES359	<ul style="list-style-type: none"> • Bar bending on site, retaining wall should be added.
10	Economics & Management	1CVOE311	<ul style="list-style-type: none"> • BIM, Kaizen, Waste control should be added.
11	Repair & Rehabilitation of Structures	1CVPE314	<ul style="list-style-type: none"> • New material and their effectiveness, Glass fiber, Carbon fiber should be added.



12	Disaster Management	1CVPE316	<ul style="list-style-type: none"> • Human rights, Use of drone, Manmade disasters, Fire disasters should added.
13	Waste Treatment & Pollution Control	1CVPE321	<ul style="list-style-type: none"> • Novel treatment and Spent wash treatment should be added
14	Advanced Construction Techniques	1CVPE322	<ul style="list-style-type: none"> • Mivan, Rubber, Tunnel formwork • Write specific about High volume fly ash concrete • Value addition topics, reinforcement- FE550, TMT • Add Pre-Engineered buildings • Soil retaining structures • Launching of girders, Tunnel boring machines • No dig technology
15	Site Investigation Methods & Practices Laboratory	1CVPE362	<ul style="list-style-type: none"> • Add site to core logging
16	Structural Masonry Laboratory	1CVPE363	<ul style="list-style-type: none"> • Add visit to old buildings, temples, etc
17	Advanced Construction Techniques Laboratory	1CVPE365	<ul style="list-style-type: none"> • Instead of modern formwork, specify the name formwork • Add dewatering, grouting techniques
18	Structural Auditing Laboratory	1CVPE366	<ul style="list-style-type: none"> • Half potential meter should be added to know corrosion of reinforcement. • How to write Structural Auditing report: Take expert's opinion.




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Affiliated to Shivaji University, Kolhapur)

Estd. 1999

Ref. ADCET / CIVIL / 129


Date : 11 / 10 / 2021

Department of Civil Engineering

All the members of "Board of Studies" are invited for an online meeting which is scheduled on Saturday 16-10-2021 at 10.30 am. The agenda of meeting is as below.

Agenda of Meeting

1. Review of 5th BoS meeting held on 11th February 2021
2. Discussion on B. Tech course curriculum.
3. Discussion on Honor Degree and Minor Degree courses.
4. Discussion on add-on courses for skill development.
5. Discussion on Question paper pattern.
6. Discussion on mode of conduct of In semester evaluation.
7. Any other points for discussion with permission of chair person.


Mr. S. S. Mohite
(HOD-Civil Engineering)



Ref.

Date : 12/10/2021

Board of Studies: Minutes of meeting

- The meeting on online platform for "Board of Studies" was held on Saturday 16-10-2021 at 10.30 am under chairmanship of Head of Civil Engineering Department.
- Following members were participated in online meeting
Dr. M. B. Kumthekar
Dr. Y. M. Ghugal
Dr. Pradeep BabanraoKodag
Er. Aman Arawal
Head of department
All faculty members of Civil Engineering Department.
- One by one agenda points were discussed and very accountable inputs were received from BOS members.

1: Review of 5th BoS meeting held on 11th February 2021.

- The 5th BoS meeting was held on 11th February 2021. The points discussed in the meeting were read by chairman. It was brought to the notice of the BOS members that all suggestions were implemented during framing of 168 credited curriculums.

2: Discussion on B. Tech course curriculum.

- Head of Department presented the curriculum for Final year B.Tech (168 credits) which is prepared by concern course teachers with reference to curriculum of AICTE, IIT's, NIT's, SUK, Autonomous institute's and as per the industry requirements.
- Suggestions given by the experts are mentioned in the **Annexure 1**

3: Discussion on Honor Degree and Minor Degree courses.

- Department of Civil Engineering ADCET Ashta is planning to offer Honor and Minor programs in GIS, GPS and Remote Sensing area. The courses offering agencies are IIRS, SWAYAM NPTEL, edX, ESRI.
- The above program is designed considering the guidelines given in AICTE Approval Process Handbook 2018 and 2020-21 for T.Y.B.Tech students.

4: Discussion on add-on courses for skill development

- Department of civil engineering ADCET Ashta is planning to offer add-on courses for student's skill development. The planned activities are as below.

Name of Activity	Skill Development
Tekla software training	<ul style="list-style-type: none"> • BIM for structures • Analysis and design of structure
STAAD-Pro software training	<ul style="list-style-type: none"> • Analysis and design of structure
ABAQUS software training	<ul style="list-style-type: none"> • Analysis and design of structure
Workshop on Total Station	<ul style="list-style-type: none"> • Advanced surveying skills
Field training on Line out	<ul style="list-style-type: none"> • On field execution

5: Discussion on Question paper pattern.

- The pattern of question of each course is discussed in depth. The suggestions given by BOS members will be implemented while setting the question papers in future.

6: Discussion on mode of conduct of In semester evaluation.

- It was decided to conduct Activity based In-Semester Assessment. The list of assessment methods and courses mentioned in the table below. BOS members have suggested to prepare the rubrics for the assessment.

Sr. No.	Assessment Method	Corse Name
1.	Jigsaw puzzle	Quantity Surveying & Valuation.
2.	Model making	Hydraulic Structures, Industrial Waste Water Treatment, Earthquake Resistant Structures, Pavement Design & Analysis
3.	Poster presentation	Advanced Engineering Geology & Rock Mechanics
4.	Presentations and seminar	Pavement Design & Analysis
5.	Video preparation/presentation	Project Management, Project Management
6.	Snake and ladder	Advanced Design of Concrete Structures
7.	Brain storming	Earthquake Resistant Structures, Design of Concrete Structures
8.	Case study	Structural Auditing
9.	Group discussion	Human Resources Development
10.	Debate	Industrial Waste Water Treatment
11.	Pictionary	Disaster Management
12.	Role play	Management Information System

- The efforts taken by the faculty members for framing the curriculum is appreciated by the BOS members.
- Dr. M. B. Kumthekar (BOS Member) congratulated Dr. P. G. Chandak for completing his PhD from VTU Belgaum.
- At the end Mr. SS. Mohite (HOD) presented the Vote of Thanks



Prof. S. S. Mohite
HOD-Civil Department

Annexure 1

Final Year B. Tech (168 Credits)			
Sr. No.	Course Name	Course Code	Suggestions given by BoS members
1	Structure Auditing	1CVOE401	<ul style="list-style-type: none"> • Add machine foundation, Power stations, Bridge, offshore structures, Runways, Highway & Railway metal structures, • Infrared techniques, sensors-equipments, crack pattern detection
2	Disaster Management	1CVOE402	<ul style="list-style-type: none"> • Merge chapters 1, 2 & 3. • Add application part in depth required for other departments : Chemical disasters, Flood, Earthquake, Manmade disasters, Blast resisting structures, cyber attacks, biological attacks, weapons, problems related to local industry
3	Design Concrete Structure	1CVPC403	<ul style="list-style-type: none"> • Change title as Design of Reinforced concrete structures. • Add biaxial loading of column, Design of sunk slab • Add latest books and codes.
4	Earthquake Resistant Structure	1CVPC409	<ul style="list-style-type: none"> • Change sequence of units
5	Entrepreneurship	1CVPE404	<ul style="list-style-type: none"> • Add topics like GST, Tally, Marketing system, • Government schemes, Soft funding AICTE Proposal
6	Hydraulic structures	1CVPE405	<ul style="list-style-type: none"> • Add contents regarding Dam, Spillways • Add design concepts.
7	Pavement design & analysis	1CVPE406	<ul style="list-style-type: none"> • Add advanced materials of road pavements, polymer concrete • Testing of materials used for flexible and rigid pavement, Crack pattern analysis, joint failures, Dowel bars design • Add latest IRC codes
8	Advance design to cone Structure	1CVPE407	<ul style="list-style-type: none"> • Combine unit 1 and 2 • Unit 2 will be Design of elevated water tank • Add Counter port, buttress, inclined surcharge



9	Design of foundation	1CVPE408	<ul style="list-style-type: none"> • Add design of combined and raft footing
10	Quantity surveying & Valuation	1CVPC410	<ul style="list-style-type: none"> • Unit 1 will be fundamental of Specifications, • Add how to find quantities & estimate of road structure, quantity of door, window frame, waist slab, beam, Rate analysis of various items • Add practical approach to calculate Valuation, rent of property • Add how to write tender notice • Add use of Software for finding quantities, Estimation & costing, E-Tendering
11	Structural Design and Drawing- II	1CVPR452	<ul style="list-style-type: none"> • Add use of software like ETAB, Stadd, AutoCAD, and Rivet to design structures.
12	Design of Bridges	1CVPE411	<ul style="list-style-type: none"> • Add design of Post Tensioned bridges, Girder bridges.
13	Management Information System	1CVPE412	<ul style="list-style-type: none"> • Add application part for Civil Engineering
14	Advanced Engineering Geology & Rock Mechanics	1CVPE413	<ul style="list-style-type: none"> • Focus should be on Applications in Civil Engineer • Add importance of geology for Construction of Tunnel, bridge, dam, Flood, Earthquake design structure, how rocks will be protected?
15	Industrial waste water treatment	1CVPE414	<ul style="list-style-type: none"> • Add how Industrial waste is different from domestic waste • Add latest Technology used for Heavy metal, Paint Industry • Add different Environmental protection government schemes/policy
16	Human Resource development	1CVPE415	<ul style="list-style-type: none"> • Add content regarding applications in Civil Engineering
17	Project Management	1CVPC416	<ul style="list-style-type: none"> • Cancel content of CPM, PERT • Add the concept of BIM • Add Modern techniques like Nevil Soft • Add Drilling Equipments, Crushing Equipments Blasting, Scrapper, Hoes, Compactor, Control Blast and remove use of tractor





26/04/2018

**MINUTES OF THE MEETING
 SECOND BOARD OF STUDIES (UG)**

DATE: 23-04-2018, AT 11.15 AM

VENUE: CSE DEPARTMENT SEMINAR HALL

The 2nd Board of Studies (BoS) of Undergraduate Programme the Department of Computer Science and Engineering, ADCET, Ashta was held on 23-04-2018, at 11.15 am in the CSE Department Seminar Hall.

Dr. S. K. Shinde, HOD CSE chaired the Meeting.

The following is the list of BOS Members:

Sr. No.	Name	Post
1.	Dr. S. K. Shinde Head and Chairman BOS, Department of Computer Science and Engineering, ADCET, Ashta, Sangli	Chairman
2.	Dr. P. J. Kulkarni, Professor, Walchand College of Engineering, Sangli	Member
3.	Dr. A. V. Deshpande, Principal, Smt. Kashibai Navale College Engineering, Pune	Member
4.	Dr. S. D. Joshi, Dean and Professor, Bharati Vidyapeeth Deemed University, College of Engineering, Pune	Member
5.	Dr. S. H. Patil, Professor, Bharati Vidyapeeth Deemed University, College of Engineering, Pune	Member
6.	Dr. S. J. Wagh, Head and Professor, Department of Information Technology, Government College of Engineering, Karad	Member
7.	Dr. Anappa Associate Professor, National Institute of Technology, Suratkal. Karnataka.	Member



Sr. No.	Name	Position
8.	Dr. Atul Rohankar, Leader, Delta Embedded Solutions Pvt. Ltd. Pune	Member
9.	Mr. Ranjit Nimbalkar, Software Developer, HSBC, Pune	Member
10.	Mr. Rohit Limkar, Team Lead, Tata Consultancy Services, Pune	Member
11.	Mrs. A. N. Mulla Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
12.	Mr. S. G. Sutar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
13.	Mr. S. P. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
14.	Mr. S. D. Khatawkar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
15.	Mr. A. S. Dange Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
16.	Mr. S. S. Sayyad, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
17.	Mr. S. V. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member - Secretary

Dr. Annapa, Dr. Rohankar, Mr. Rohit Limkar and Mr. Ranjit Nimbalkar were unable to attend due to their personal engagements.

The Chairman extended a warm welcome to all the participants in the meeting and thanked them for sparing their precious time to participate in the meeting.

The Chairman felicitated Dr. P. J. Kulkarni (WCE, Sangli), Dr. A.V. Deshpande (KNCOE, Pune), Dr. S. D. Joshi (BVDU COE, Pune) Dr. S. J. Wagh (GCE, Karad) and Dr. S. H. Patil (BVDU COE, Pune)

The Chairman introduced all the members of BOS.

The chairman introduced Department and presented draft Autonomous structure of B. Tech. (CSE).

The chairman allowed carrying out proceedings of **Board of Studies (BoS)**.

Agenda of the meeting and resolutions are as follows:

Agenda No.2.1: Confirmation of the minutes of last meeting

Resolution - Confirmed

Agenda No.2.2: Discussion & and finalization of Changes in structure of S.Y.B.Tech.

The chairman Dr. S. K. Shinde presented the course structure of S. Y. B. Tech. to all BoS Members. He has given information about Academic council guidelines. Also, He asked to incorporate miniproject course as well as communication skill theory course to Laboratory course and reduce the tutorial of Software engineering and Computer Architecture.

All bos members agreed to **add a miniproject** which will be of 2 hours a week for S. Y. Sem-II and remove software engineering tutorial as well as computer architecture tutorial slot.

Also all members agreed that **the Communication skill course**, we keep **two hours practical** instead of theory.

Dr. S. D. Joshi asked to check Communication lab infrastructure for conduction of practicals.

Dr. S. H. Patil suggested to refer AICTE model curriculum which is having less credits than our autonomy curriculum credits. They also mentioned to try to accommodate good things of AICTE model structure, curriculum from coming academic year.

All other members are agreed to act upon for the same after approval from the Academic council.



Dr. P. J. Kulkarni suggested to change Microprocessor course name as a Processor Architecture. Also, He put the point that Data Structure laboratory course should be reduced from four hours to two hours per week and conduct the practical's in C++.

All members in meeting have agreed for change in subject name of Microprocessor.

Mr. S. S. Sayyad mentioned that for Data structure laboratory four hours practical slot per week is required.

Dr. P. J. Kulkarni mentioned reduce theory component and increase practical component. Also, there should be uniformity in number of CO's for each course.

Dr. Wagh suggested to give some part of syllabus as a self study for reducing the credit of autonomy curriculum. He also suggested to keep PL-I Laboratory of 2 hrs.

All members in meeting have agreed for his suggestion.

Resolution:-

As per changes revised S. Y. B. Tech. (CSE) Curriculum is approved

See Appendix -I

Agenda No.2.3: Discussion and finalization of course curriculum of S.Y. B.Tech.

Dr. S. D. Joshi and Dr. A. V. Deshpande said that Syllabus is good. There should be assessment and extra credit should be given for internship.

Dr. Wagh said that Discrete Mathematics syllabus units are not in proper sequence and it should be rearrange. Refer AICTE syllabus for the same.

All other members have accepted his suggestion.

Resolution:-

See Appendix -I

Agenda No.2.4: Discussion and finalization of Bridge course for S. Y. B. Tech.

Dr. P. J. Kulkarni said bridge course should be part of audit course. Student should not be allowed for S. Y. B. Tech unless and until he completes the Bridge course. Certificate should be issued to him upon completion of Bridge course.

All other members are agreed with his suggestion.

Resolution:-

Bridge course is approved.

Agenda No.2.5: Any other Issues with the permission of chair.

Dr. A. V. Deshpande mentioned that there should be Induction program should be conducted for faculty members.

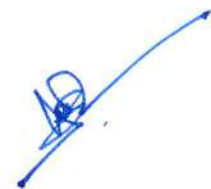
Dr. P. J. Kulkarni mentioned that give extra credits to student for their individual activities like publication in SCI, Scopus indexed journals, presentation, internships, workshops, NPTEL courses and Mooc's. Refer MCCI for getting internships opportunities. AICTE is giving permission of minimum 45 days for internship.

Resolution:- All other members are agreed to act upon for the same after approval from the Academic council.



Member Secretary

Board of Studies (BoS)



Chairman

Board of Studies (BoS)



24/04/2019

**MINUTES OF THE MEETING
THIRD BOARD OF STUDIES (UG)**

DATE: 20-04-2019, AT 11.15 AM

VENUE: CSE DEPARTMENT SEMINAR HALL

The 3rd meeting of Board of Studies (BoS) of Undergraduate Programme at Department of Computer Science and Engineering, ADCET, Ashta was held on 20-04-2019, at 11.15 AM in the CSE Department Seminar Hall.

Dr. Smriti H. Bhandari, HoD CSE chaired the Meeting.

The following is the list of BoS Members:

Sr. No.	Name	Position
1.	Dr. S. H. Bhandari Head and Chairman BoS, Department of Computer Science and Engineering, ADCET, Ashta, Sangli	Chairman
2.	Dr. P. J. Kulkarni, Professor, Walchand College of Engineering, Sangli	Member
3.	Dr. A. V. Deshpande, Principal, Smt. Kashibai Navale College Engineering, Pune	Member
4.	Dr. S. D. Joshi, Dean and Professor, Bharati Vidyapeeth Deemed University, College of Engineering, Pune	Member
5.	Dr. S. H. Patil, Professor, Bharati Vidyapeeth Deemed University, College of Engineering, Pune	Member
6.	Dr. S. J. Wagh, Head and Professor, Department of Information Technology, Government College of Engineering, Karad	Member
7.	Dr. Annappa Professor, National Institute of Technology, Suratkal. Karnataka.	Member
8.	Dr. Atul Rohankar, Leader, Delta Embedded Solutions Pvt. Ltd. Pune	Member

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Sr. No.	Name	Position
9.	Mr. Ranjit Nimbalkar, Software Developer, HSBC, Pune	Member
10.	Mr. Rohit Limkar, Team Lead, Tata Consultancy Services, Pune	Member
11.	Mr. A. S. Dange Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member Secretary
12.	Mrs. A. N. Mulla Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
13.	Mr. S. G. Sutar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
14.	Mr. S. P. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
15.	Mr. V.A. Kamble Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
16.	Mr. S. D. Khatawkar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
17.	Mr. S. S. Sayyad, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
18.	Mr. R. M. Kamble, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
19.	Mr. A. R. Pradnyawant Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member

Dr. Annappa, Dr. P. J. Kulkarni, Dr. S. J. Wagh attended the meeting. Mr. Limkar provided his inputs on proposed curriculum through telephonic talks and email communication. The Chairman extended a warm welcome to all the participants in the meeting and thanked them for sparing their precious time to participate in the meeting. The Chairman felicitated Dr. P. J. Kulkarni (WCE, Sangli), Dr. S. J. Wagh (GCE, Karad) and Dr. Annappa (NIT, Surathkal).

The Chairman introduced all the members of BoS and allowed carrying out proceedings of Board of Studies (BoS).



Agenda of the meeting and resolutions are as follows:

Agenda Item No.1: To confirm the minutes of meeting of BoS held on 23/04/2018

Resolution - Confirmed

Agenda Item No.2: To place before the BoS the report about the action taken on the decisions of its second meeting held on 23/04/2018

The chairman presented the summary of action taken on the suggestions of BoS in the last meeting (Annexure I). Members appreciated the action taken except the rearrangement of Units in Discrete Mathematics.

It was resolved to carry out the suggested changes in rearrangement of Units in the next revision of SY curriculum in academic year 2020-21.

Agenda Item No.3: To discuss and approve structure and curriculum contents of T.Y. B. Tech

The chairman Dr. S. H. Bhandari presented the course structure and draft curriculum of T. Y. B. Tech. to all BoS Members. The discussion is summarized as below:

A. Course: Internet of Things

Dr. Wagh suggested including practical aspects for IoT. Environment for implementing IoT projects need to be included. He also suggested book for IoT by Vijay Madiseti. Also he pointed out need of laboratory for the course. But the discussion ended with inclusion of laboratory experience through mini projects.

B. Course: Computer Algorithms

Members mentioned need to add details in Unit 6 and it was accepted to modify the contents. Computer Algorithms Laboratory was approved by the members.

C. Course: System Software

Dr. P. J. Kulkarni suggested to allot more contact hours to Compiler. Dr. Annappa suggested adding compiler design for multi-core architecture. He suggested to include latest editions of books. He also suggested giving 50% weightage to compiler.

After brain storming, it was decided to increase contact hours for Compiler and introduction of compiler design for multi-core architectures was postponed to next revision.

D. Course: Information Security

It was suggested to change the title of the course as "Information and Network Security"

E. Course: Database Engineering and Database Engineering Laboratory courses are approved without any change.



- F. Course: Professional Elective – I (2-0-2)
Following courses are finalized under this: **Advanced Programming**, Software Testing and Quality Assurance, Network Administration
- Advanced Programming**: Instead of including three languages, members suggested to include **Python** and Ruby. Also suggested to add advanced concepts of python. Accordingly the curriculum will be updated.
 - Software Testing and Quality Assurance is moved to semester V (earlier in semester VI) with laboratory experience. The syllabus is to be modified accordingly and further will be approved from industry expert.
 - Network Administration: All the members suggested to generalize the contents. More focus should be on open source. Suggestion to include Network Operating System and adding a case study in Unit 6 that might be the latest version of Windows server.
- G. Dr. Wagh suggested that **Mini Project should be theme based** that should include the topics the students are studying or have studied.
- H. The course Economics and Finance should be changed to Entrepreneurship Development and Planning. The existing contents of Economics and Finance to be incorporated under new title.
- I. Dr. Annappa suggested that Advanced Database System should **include concepts of NoSQL**.
- J. **Machine Learning was approved without any change**.
- K. Under Professional Elective II, Digital Image Processing, Ad hoc Networks were approved as it is. Further the members suggested rethinking upon more contents related to Graph Theory in advanced data structures. Curriculum already contains two units related to Graph.
- L. Professional Elective III (3-1-0): Computer Graphics & Multimedia Techniques shifted to semester VI (earlier it was in semester V with lab). Further members suggested to have maximum three number of text books. Curriculum of Storage Networks was approved. It was suggested to change the title Ethical Hacking and Cyber Security as Cyber Security.
- M. Unix & Shell Programming, Object Oriented Modeling and Design were approved without any change.
- N. It was **suggested to reduce contents of Web Programming**. Accordingly the modifications will be made.

Resolution:-

After undergoing the changes revised T. Y. B. Tech. (CSE) Curriculum will be sent to BoS for approval.

Agenda Item No. 4: To discuss and approve mode of assessment of T.Y. B. Tech curriculum

The samples of few of the courses were discussed and approved.

Agenda Item No. 5: To discuss and approve new structure of F.Y. B. Tech to Final Year B. Tech curriculum to be implemented from Academic year 2019-20

New structure was presented to BoS with 170 credits.

Dr. P. J. Kulkarni emphasized to reduce total credits by 5-6.

It was decided to rethink on the course Workshop Practice.

Dr. Wagh mentioned that data communication course would be heavy for FY students. Dr. Annappa suggested placing it in 3rd semester and discrete mathematics can be brought in 2nd semester, which in turn needs to shift Computer Networks to 4th semester and OS needs to bring in 3rd Sem. It was resolved to rethink on this, probably modifying the contents of data communication.

Dr. P. J. Kulkarni suggested to change the title of "Biology" as "Biology for Engineers"

Computer Programming Laboratory to be renamed as "Computer Programming"

Dr. P. J. Kulkarni suggested to merge Basic Electrical and Basic Electronics.

Dr. P. J. Kulkarni suggested that Internship/Project in semester VII to be changed to Project and it is accepted by all members.

Resolution:-

To check for reduction of total credits and to accommodate the suggestions.

Agenda Item No. 6: To discuss and approve curriculum contents of F.Y. B. Tech to be implemented from Academic year 2019-20

Discussed curriculum contents of F.Y. B. Tech.

Discussed and approved Syllabus of Computer Programming. Also, chairman mentioned about branch specific computer programming curriculum development for other branches.

Dr. P. J. Kulkarni suggested to include ICT for Professional Communication.

Resolution:-

Contents of majority of courses of F.Y. B.Tech. were approved.

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Agenda Item No. 7: To note the student's performance for ISE and MSE

Discussed S.Y. B. Tech Results.

Data structure result was below 80% for MSE, Dr. Annappa suggested to focus more on problem formulation during practical sessions, he also suggested to arrange expert sessions for the same. Further the improvement in final results was noted and appreciated as a result of mode of conduct.

Overall result is appreciated by BoS Members.

Agenda Item No. 7: Any other item with the permission of chair

No special discussion was carried out.

Resolution: It was resolved to act upon the BoS suggestions after approval from Academic Council.

The meeting was ended with vote of thanks to all members.

**Member Secretary
Board of Studies**



**Chairman
Board of Studies (BoS)**



21/12/2019

**MINUTES OF THE MEETING
FOURTH BOARD OF STUDIES**

DATE: 21-12-2019, AT 10.30 AM

VENUE: CSE DEPARTMENT SEMINAR HALL

The 4th meeting of Board of Studies (BoS) of Undergraduate Programme at Department of Computer Science and Engineering, ADCET, Ashta was held on 21-12-2019, at 10.30 AM in the CSE Department Seminar Hall.

Dr. Smriti H. Bhandari, HoD CSE chaired the Meeting.

The following is the list of BoS Members:

Sr. No.	Name	Position
1.	Dr. S. H. Bhandari Head and Chairman BoS, Department of Computer Science and Engineering, ADCET, Ashta, Sangli	Chairman
2.	Dr. S. J. Wagh, Head and Professor, Department of Information Technology, Government College of Engineering, Karad	Member
3.	Dr. P. J. Kulkarni, Professor, Walchand College of Engineering, Sangli	Member
4.	Dr. Annappa Professor, National Institute of Technology, Suratkal, Karnataka.	Member
5.	Mr. Rohit Chavan, Software Developer, Oracle, Pune	Member
6.	Mr. Nakul Agrawal, Team Lead, Tata Consultancy Services, Pune	Member
7.	Mr. A. R. Pradnyavant Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member-Secretary
8.	Mr. A. S. Dange Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
9.	Mrs. A. N. Mulla Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member

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Sr. No.	Name	Position
10.	Mr. S. G. Sutar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
11.	Mr. S. P. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
12.	Mr. V. A. Kamble Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
13.	Mr. S. D. Khatawkar Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
14.	Mr. S. S. Sayyad, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
15.	Mr. R. M. Kamble, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
16.	Mrs. A. S. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
17.	Mr. V. D. Chougule, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
18.	Mr. P. B. More, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
19.	Mrs. A. S. Tamboli, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
20.	Mr. D. R. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
21.	Ms. Amruta Dange, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
22.	Dr. Suhas Sapate, Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
23.	Mr. T. S. Ruprah, Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member

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Dr. S. J. Wagh , Dr. P. J. Kulkarni, Mr. Rohit Chavan, Mr. Nakul Agrawal attended the meeting. Dr. Annappa has attended meeting using Skype video conference and provided his inputs on proposed curriculum through Skype video call.

The Chairman extended a warm welcome to all the participants in the meeting and thanked them for sparing their precious time to participate in the meeting.

The Chairman felicitated Dr. P. J. Kulkarni (WCE, Sangli), Dr. S. J. Wagh (GCE, Karad), Mr. Rôhit Chavan (Oracle, Pune) and Mr. Nakul Agrawal (TCS, Pune).

The Chairman introduced all the members of BoS and allowed carrying out proceedings of Board of Studies (BoS).

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Agenda of the meeting and resolutions are as follows:

Agenda Item No.1: To confirm the minutes of meeting of BoS held on 20/04/2019

Resolution - Confirmed

Agenda Item No.2: To place before the BoS the report about the action taken on the decisions of its third meeting held on 20/04/2019

The chairman presented the summary of actions taken on the suggestions of BoS in the last meeting (Annexure I). Members appreciated the action taken and especially congratulated the team for introducing 'Biology for Engineers' at FY B Tech. Further, the members suggested that 'Biology for Engineers' course can be proposed at Institute level.

Dr. S. J. Wagh suggested having three units from basics of biology and remaining three units should consist of applications of Biology with engineering perspective. Also, he suggested handling the applied part of the course by engineering faculty and not by the faculty from basic science.

Dr. P. J. Kulkarni suggested, faculty should also undergo ILTES certification.

Resolution - It is resolved to monitor the execution of 'Biology for Engineers' course and further discuss about the revision if required.

Agenda Item No.3: To discuss and approve structure and curriculum contents of Final Year B. Tech

The chairman Dr. S. H. Bhandari presented the course structure and draft curriculum of Final Year B. Tech. to all BoS Members.

A. Discussed and approved the structure of Final Year B. Tech

B. Course: Distributed and Cloud Computing Lab

Dr. Annappa suggested including POE for the course. It was also suggested to add web resources like NPTEL, MOOCs. Dr. Wagh mentioned that some part of curriculum can be given for self-study.

C. Mr. Rohit Chavan suggested to introduce novel idea of Business incubation even at department level. He appreciated the concept of internship to be introduced at VIII semester and further suggested that apart from students going to avail internships at various industries, we can start the incubation at department. The alumni and other industry persons can contribute into this activity by sharing technical knowledge and expertise in respective domains.

D. Mr. Nakul Agrawal suggested, adding one module on Banking and Finance in EDP course.

E. Course: Big Data Analytics

Dr. P. J. Kulkarni mentioned that it is well designed curriculum. Also, mentioned to refer to course and book by Seema Acharya. Regarding the Laboratory, sequence of experiments can be altered. Apache installation can be taken first. Data governance, rules and regulation for handling /sharing data can be added. PI data capturing can be introduced.

F. Open Elective

Course: Database Essentials and Business Intelligence

The curriculum has been accepted. Dr. Annappa suggested adding introductory part of NoSQL in it.

G. Course: Machine Learning

Dr. S. J. Wagh suggested to keep unit no 4 at unit no 1 and then start with machine learning.

Dr. P. J. Kulkarni suggested to treat the concepts such as SVM, ANN and Deep Learning without going into the detailed mathematical treatment. Being an open elective it is decided to introduce more application oriented stuff.

H. Course: Project Management course is approved without any change. Mr. Nakul mentioned to Agile Project management but it is included in Software Engineering course.

I. Course: Professional Elective – V and VI

It is proposed that these two electives will be introduced at VIII semester in self-study mode. The list of courses will be announced at the commencement of VIII semester based on availability of the MOOC courses. All the students will opt for one course under PE-V and PE-VI each. They will register for the MOOC certification course and complete the same. The institute's assessment pattern will be followed for assessment of these courses.

Blockchain Technology and such similar courses can be offered under these electives.

J. Courses: Design Thinking and Professional Elective IV

It is proposed to introduce new course 'Design Thinking' at semester VII with structure as 0-0-2. Mr. Nakul Agrawal and his team at TCS have designed the curriculum and that will be shared to BoS members for their suggestions (if any).

Also, members agreed upon the PE-IV courses (2-0-2) namely Deep Learning, Parallel Programming and Advanced Web Programming.

Resolution - After undergoing the changes revised Final Year B. Tech. (CSE) Curriculum will be sent to BoS for approval.

Agenda Item No. 4: To discuss and approve mode of assessment of Final Year B. Tech curriculum

The samples of few of the courses were discussed and approved.

Agenda Item No. 5: To discuss and approve curriculum contents, mode of assessment of S.Y. B. Tech to be implemented from Academic year 2020-21

The curriculum contents and mode of assessment were discussed and approved.

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Mode of conduct should be decided by course coordinator it could be case studies, mini projects, quizzes, role play, seminars etc.

Resolution - S.Y B. Tech curriculum contents and mode of assessment are approved.

Agenda Item No. 6: To note the student's performance and placement records for Academic year 2018-19

Discussed result analysis of 2018-19 SEM I and II.

Dr. P. J. Kulkarni appreciated the passing percentage of all the courses. In addition to result analysis based on attainments of COs, he suggested to come-up with the analysis emphasizing module-wise outcomes. This will help the teacher, to take appropriate action, in case of weak attainment of some module outcomes.

Overall result is appreciated by BoS Members. TPO Mr. Suhel Sayyad briefed the members regarding the companies and placements.

Discussed placement of academic year 2018-19. 85% placements were done. (36 out of 42).

Need of bringing and increasing the number of companies not requiring any grade criteria was discussed.

Dr. Bhandari mentioned the initiatives at institute and department level to increase the placements and also to increase the pay packages. She mentioned about efforts regarding aptitude and skill improvement for TY and SY students. All the members appreciated the efforts.

Dr. Annappa suggested, video or Skype lectures can be organized from industry persons.

Resolution - It is resolved to analyse the results considering module-wise outcomes as well. The initiatives for improvement in technical skills are well appreciated and resolved to continue the same.


Agenda Item No. 7: Any other item with the permission of chair

No special discussion was carried out.

Resolution: It is resolved to act upon the BoS suggestions after approval from Academic Council.


Member Secretary
Board of Studies (BoS)




Chairman
Board of Studies (BoS)



06/02/2021

**MINUTES OF THE MEETING
FIFTH BOARD OF STUDIES**

DATE: 06-02-2021, AT 10.00 AM

VENUE: Online Mode using Microsoft Team in CSE Department

The 5th meeting of Board of Studies (BoS) of Undergraduate Programme, B.Tech., at Department of Computer Science and Engineering, ADCET, Ashta was held on 06-02-2020, at 10.00 AM in the CSE Department in online mode using Microsoft Teams Platform.

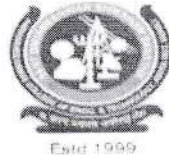
Dr. Smriti H. Bhandari, HOD CSE chaired the Meeting.

The following is the list of BoS Members:

Sr. No.	Name	Position
1.	Dr. S. H. Bhandari, Head and Chairman BoS, Department of Computer Science and Engineering, ADCET, Ashta, Sangli	Chairman
2.	Dr. S. J. Wagh, Head and Professor, Department of Information Technology, Government College of Engineering, Karad	Member
3.	Dr. Annappa, Professor, National Institute of Technology, Suratkal, Karnataka.	Member
4.	Dr. Vahida Zakirhusen Attar, Associate Professor, College of Engineering, Pune	Member
5.	Dr. Yashodhara V. Haribhakta Associate Professor, College of Engineering, Pune	Member
6.	Dr. Modi Chirag Navinchandra Assistant Professor, National Institute of Technology, Goa.	Member
7.	Mr. Sudhakar Shenoy, Technical Head, Proxima Biz, Pune.	Member
8.	Mr. Rohit Chavan, Principle Consultant, Oracle Financial SS Ltd, Pune	Member
9.	Mr. Nakul Agrawal, Team Lead, Tata Consultancy Services, Pune	Member
10.	Mr. A. R. Pradnyavant, Assistant Professor, Department of Computer Science	Member-Secretary



Sr. No.	Name	Position
	and Engineering, ADCET, Ashta	
11.	Dr. Suhas Gajanan Sapate, Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
12.	Mrs. A. N. Mulla, Associate Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
13.	Mr. S. G. Sutar, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
14.	Mr. S. P. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
15.	Mr. A. S. Dange, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
16.	Mr. V. A. Kamble, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
17.	Mr. S. D. Khatawkar, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
18.	Mr. S. S. Sayyad, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
19.	Mr. R. M. Kamble, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
20.	Mrs. A. S. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
21.	Mr. V. D. Chougule, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
22.	Mr. P. B. More, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
23.	Mr. T. S. Ruprah, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
24.	Mr. Y. S. Lubal, Assistant Professor, Department of Computer Science	Member



Sr. No.	Name	Position
	and Engineering, ADCET, Ashta	
25.	Mr. D. R. Patil, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member
26.	Ms. Amruta Dange, Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta	Member

Dr. S. J. Wagh, Dr. Annappa, Dr. V. Z. Attar, Dr. Y. V. Haribhakta, Dr. C. N. Modi, Mr. Sudhakar Shenoy, Mr. Rohit Chavan, Mr. Nakul Agrawal attended the meeting.

The Chairman extended a warm welcome to all the members in the meeting introduced all the members of BoS at the beginning of the proceedings of Board of Studies (BoS).

Dr. Suhas Sapate presented vote of thanks to end up the meeting.



Agenda of the meeting and resolutions are as follows:

Agenda Item No.1: To confirm the minutes of meeting of BoS held on 21/12/2019

Resolution – Confirmed.

Agenda Item No.2: To communicate the action taken on the decisions of its fourth meeting held on 21/12/2019

The chairman presented the summary of action taken on the suggestions of BoS in the last meeting (Annexure I). Members appreciated the action taken.

The chairman presented the approved curriculum structure of T. Y. B. Tech. The chairman discussed minor changes in structure as follows, the PE IV Course Advanced Data Structures is added under PE III at the place of soft computing. A new course Augmented Reality and Virtual Reality (AR-VR) is added under PE IV.

Agenda Item No.3: To discuss and approve curriculum contents of Third Year B. Tech. (Revision 1)

The chairman Dr. S. H. Bhandari and respective course coordinators presented the course curriculum of Third Year B. Tech. to all BoS Members. The suggestions given by the BoS members are listed as given below.

A. Discussion about Open Electives

1) Course: Database Essentials and Business Intelligence

- a) Dr. Annappa suggested to demonstrate the tools while teaching this course.
- b) Dr. Attar suggested to discuss and demonstrate mini-project / B.Tech. project of CSE students as a part of case studies to the enrolled students.

2) Course: Software Engineering and Project Management

- a) Dr. Annappa suggested to include case studies in the course. He also suggested to maintain the flow of all phases of Software Engineering and Project Management in the case study.

3) Course: Data Structures and Algorithms

Dr. Annappa suggested to add 2 hours lab session in the course.

Dr. Haribhakta suggested to introduce tutorials or assignments to the course.

Dr. Attar suggested to reduce some contents and make it simple. She suggested that Graph and Trees can be removed and she also mentioned to add prerequisites to the course.



As the Open Elective course structure to be followed is 3-0-0, decision to be taken at department level about the conduct of laboratory experience.

B. Course: System Programming and Compilers

Dr. Haribhakta suggested to revise the contents of Unit 5 and 6. Also mentioned to reduce the contents of unit 6 and give more focus on code generation and code optimization.

Dr. Annappa suggested to give more focus on compiler construction (7 to 8 hours) and allocate 4 to 5 hours to unit 5 and 6.

Dr. Attar suggested to revise the contents of unit 3 and 4.

C. Course: Design and Analysis of Algorithms

Dr. Haribhakta suggested to include brief introduction to computational complexity.

Dr. Annappa suggested to allocate 2 hours for computational complexity in first unit. Identify NPTEL/MOOC courses and provide the links for the same in curriculum.

Dr. Attar suggested to give more weightages to NP concepts.

D. Course: Internet of Things

Dr. Attar suggested to include the prerequisites like Data Communication, Computer Network etc.

Dr. Wagh suggested to include mini-project for the course.

E. Course: Storage Networks

Dr. Annappa suggested to invite experts for special lectures.

F. Course: Ad Hoc Networks

Dr. Wagh appreciated that the flow of the contents of the course is good. He suggested to include the contents on "Vehicular ad hoc networks" in the course.

G. Course: Cyber Security

Dr. Chirag Modi suggested to include Critical Information Infrastructure security, case studies, Smart Grid, Micro Grid. Also mentioned to include various tools for cyber security during the tutorial sessions.

Dr. Wagh suggested to change the name of unit 5 from "cyber forensics" to "digital forensic".

Dr. Attar suggested to arrange expert lectures to cover 10-20% curriculum. Also demonstrate the vulnerability skills at the time of lecture.

H. Course: Design and Analysis of Algorithms Laboratory



Dr. Attar suggested to give comparison of algorithms.

Dr. Annappa suggested to give set of problem statements and let students decide which algorithm is to be used to solve the given problem.

I. Course: Web Programming

Mr. Rohit Chavan suggested to include latest frameworks such as Spring, Struts, Java full stack etc. in the course.

J. Course: Advanced Programming

Dr. Annappa suggested to give small applications for development as a part of assignments to all the students.

K. Course: Computer Graphics and Multimedia Techniques

Curriculum is discussed and approved without any change.

L. Course: Unix and Shell Programming

Curriculum is discussed and approved without any change.

M. Course: Mini Project

Dr. S. H. Bhandari told about mini-project exhibition organized in the department and the practice of peer review. Dr. Annappa appreciated the mini-project practice in the department.

N. Course: Internship/ Intra institute/ Inter institute activities

Curriculum is discussed and approved without any change.

O. Course: Technical Writing

Dr. Annappa mentioned that this course is the need of hour in curriculum. Also suggested to include an assignment on how to write project report.

Mr. Rohit appreciated initiative towards Technical Writing course and mentioned that it is an important step towards incubation center.

P. Discussion about Open Electives

1) Course: Internet of Things

Curriculum is discussed and approved without any change.

2) Course: Cyber Laws and Ethical Hacking

Curriculum is discussed and approved without any change.



Q. Course: Entrepreneurship Development and Planning

Dr. Annappa suggested to include Government schemes like startup India, etc.

R. Course: Advanced Database System

Curriculum is discussed and approved without any change.

S. Course: Machine Learning

Dr. Annappa and Dr. Haribhakt appreciated the efforts of department towards frequent changes of the ML curriculum.

T. Course: Software Testing and Quality Assurance

Dr. Annappa appreciated the efforts taken by faculty while make changes in the curriculum. Also suggested to include few tools related with Testing.

U. Course: Real Time System

Dr. Annappa mentioned that important points are covered in the course curriculum. Also mentioned to give demonstrations for few of the points for better understanding.

V. Course: Advanced Data Structures

Curriculum is discussed and approved without any change.

W. Course: Augmented Reality and Virtual Reality

Dr. Annappa suggested to include Extended Reality in the course curriculum.

X. Course: Digital Image Processing

Curriculum is discussed and approved without any change.

Y. Course: Open Source Technology

Dr. Annappa suggested to include Scilab in the course curriculum. Also mentioned to use Open Source forum of IIT Bombay. Encourage students to join the Open Source Software Development forums.

Z. Course: Advanced Database System Laboratory

Dr. Annappa suggested to give set of problem statements and let students decide the approach to be used to solve the given problem statement.

AA. Course: Object Oriented Modeling and Design

Curriculum is discussed and approved without any change.



BB. Course: Internship/ Intra institute/ Inter institute activities

Curriculum is discussed and approved without any change.

CC. Course: Constitution of India

Dr. S. H. Bhandari mentioned that this course curriculum is designed as per AICTE norms.

Resolution:-

After undergoing the changes revised Third Year B. Tech. (CSE) Curriculum will be sent to BoS for approval.

Agenda Item No. 4: To discuss and finalize MOOC courses of Final Year B. Tech. (SEM VIII). (Revision 0)

The chairman Dr. S. H. Bhandari presented the MOOC course of PE V and PE VI of Final Year B. Tech. to all BoS Members.

The following MOOC courses are listed under Professional Elective V.

Sr. No.	Course Title	Platform	Duration/ Enrollment	Offered By
1	Blockchain Architecture Design And Use Cases	NPTEL	12 Weeks	Prof. Sandip Chakraborty, IIT Kharagpur Dr. Praveen Jayachandran, IBM
2	Introduction to Kubernets	Edx	14 Weeks	Chris Pokorni, Instructor, NQB8 Cloud Tech Consulting Neependra Khare, Founder and Principal Consultant, CloudYuga Technologies
3	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	12 Weeks	Prof. Sudip Misra, IIT Kharagpur

The following MOOC courses are listed under Professional Elective VI.

Sr. No.	Course Title	Platform	Duration/ Enrollment	Offered By
1	Artificial Intelligence: Knowledge Representation and Reasoning	NPTEL	12 Weeks	Prof. Deepak Khemani, IIT Madras
2	Reinforcement Learning	NPTEL	12 Weeks	Prof. Balaraman Ravindran,



				IIT, Madras
3	Natural Language Processing with Classification and Vector Spaces	Coursera	4 Weeks-24 Hours including assignments	Deeplearning.ai
	Natural Language Processing with Probabilistic Models		4 Weeks-24 Hours including assignments	

Dr. Annappa mentioned to inform students regarding importance of these courses. Dr. Bhandari explained that these course contents are according to the available Coursera / NPTEL courses. Curriculum is discussed and approved without any change.

Resolution:-

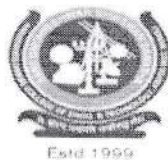
The list of MOOC courses of Final Year B. Tech. (CSE) Curriculum will be sent to BoS for further approval and endorsement.

Agenda Item No. 5: To discuss about introducing Honors and Minor Programmes in CSE

The chairman Dr. S. H. Bhandari presented the proposed Honors and Minor Engineering courses to all BoS Members.

The following courses are listed under Honors Engineering.

Semester	AI & ML	Cloud Architect
V	Data Science (3) + Project (2)	Google Cloud Platform Fundamentals: Core Infrastructure (3) + Project (2)
VI	Data Visualization (3) + Project (2)	Google Cloud Platform Fundamentals: Foundation (3) + Project (2)
VII	Deep Learning (3) + Project (2)	Google Cloud Platform Fundamentals: Core Services (3) + Project (2)
VIII	Natural Language Processing (3) + Project (2)	Google Cloud Platform Fundamentals: Scaling and Automation (3) + Project (2)



The following courses are listed under Minor Engineering.

Semester	Machine Learning	Computer Science Essentials
V	ML Basics, Regression and Feature Engineering (3) + Project (2)	Data Structures (3) + Project (2)
VI	Classification Techniques (3) + Project (2)	OOP using Java (3) + Project (2)
VII	Clustering and Recommender Systems (3) + Project (2)	Python Programming (3) + Project (2)
VIII	Deep Learning (3) + Project (2)	LAMP (3) + Project (2)

Dr. Annappa mentioned to have minimum eligibility criteria in terms of his/her CGPA while offering these courses to students.

Mr. Nakul mentioned to widen the scope of Data Science in Minor engineering.

Agenda Item No. 6: To discuss and approve mode of assessment of Third Year B. Tech courses

The mode of assessment are discussed and approved.

Resolution:-

T.Y B. Tech. mode of assessment are discussed and approved.

Agenda Item No. 7: To note the student's performance and placement records for Academic year 2019-20

Discussed result analysis of 2019-20 SEM I and II. Overall result is appreciated by BoS Members. All members discussed placement of AY 2019-20 which was around 85% (33 out of 39).

Dr. Suhas Sapate explained the department's efforts towards internship and placement of CSE students and told the plan of action towards improving the internship and placement.

All the BoS members appreciated the efforts taken by department to improve the student performance and student placement.


Resolution:-

It is decided to keep the consistent efforts towards internships and placements so as all the students will have the opportunities.




DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING

Agenda Item No. 8: Any other item with the permission of the chair
No special discussion was carried out.


Member Secretary
Board of Studies (BoS)




Chairman
Board of Studies (BoS)



BOS Meeting Report

(Date 15th July, 2017)

BOS members

- **Dr. S. S. Ahankari**
Chairman BOS meeting, HOD- MechEngg. Dept
- **Dr. Prashant Kumar**
Emeritus professor, DeptOf Mechanical Engg, COEP, Pune
- **Dr. S. P.Chavan**
Professor, DeptOf Mechanical Engg, WCE, Sangli
- **Dr. V. D. Shinde**
Professor, DeptOf Mechanical Engg, DKTE, Ichalkaranji
- **Mr. Bhalchandra Joshi**
Director, JoshiJampalaEnggPvt Ltd, Satara
- **Mr.RameshGavade**
Manager, Design Dept, KBL, Kirloskarwadi
- **Mr.GaneshNikam**
Product Manager, Forbes Marshal, Pune
- **Mr.NitinZanvar**
Managing Director, Zanvar group of Industries, Ashta
- **Dr. S.S. Mohite**
Professor, DeptOf Mechanical Engg, GCE, Karad



A) Agenda of Meeting:

1. Autonomy
2. BOS meeting
3. Department activities
4. Formation of curriculum structure
5. Discussion on first year courses syllabus, and M.Tech design syllabus
6. Discussion on Sem III to Sem VIII structure

B) Points Elucidated

Dr. S. S. Ahankari Chairman of BOS meeting presented curriculum structure of Mechanical engineering program. The points explained are:

1. Numbering of course code
2. Computer programming course in first year
3. Workshop I and II combined as workshop I
4. Environmental science for engineers(Audit course) is included in Sem III
5. In continuation of computer programming of first year, computer programming C++ is included in Sem III
6. MATLAB is included in applied numerical method lab
7. Machine drawing theory course is added in Sem III
8. General proficiency course(Audit course) is added in Sem III
9. Domain wise professional electives are floated from Sem V

Professional Elective-I

OMEPE306- Mechanics of Solids	Advanced	OMEPE307- Advanced Foundry Technology	OMEPE308- Fluid Dynamics
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10. Mechatronics is added in Sem VI , so that students can use the knowledge for project in final year
11. Domain wise professional electives II will be continued in Sem VI



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)
Department of Mechanical Engineering



Professional Elective-II

0MEPE313 -FEA	0MEPE314 -Advanced Manufacturing Technology	0MEPE315 -CFD
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Professional Elective-II Lab

0MEPE361 - FEA	0MEPE362 - Advanced Manufacturing Technology	0MEPE363 - CFD
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12. Human values and professional ethics course is added in Sem VI

13. Research methodology is added in Sem VII

14. Domain wise professional electives III and IV will be continued and open elective are floated in Sem VII

Professional Elective-III

0MEPE403- Mechanical System Design	0MEPE404- Advanced Welding Engg.	0MEPE405- Design of thermal System & Optimization
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Professional Elective-IV

0MEPE406- Noise and Vibration	0MEPE407- NDT	0MEPE408- Steam Engineering
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Professional Elective-IV Lab

0MEPE453- Noise and Vibration	0MEPE454 - NDT	0MEPE455- Steam Engineering
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Open Elective

0MEOE409- IMOR	0MEOE410- Ind. Automation & Robotics	0MEOE411- Mechanics of Fibrous Composites
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MOM & report on BOS meeting

Mechanical Engineering department was introduced to all the BOS members by Dr. S.S.Ahankari.

The BOS members suggested to ponder over following issues:

1. Humanity courses can be floated in curriculum
2. Emphasis to be given for creative thinking & product design
3. Curriculum should also give scope for self learning
4. Credit count is more
5. Employability in mechanical engineering students.
6. Robust mechanism has to be found out for student's interest in specific domain
7. Courses like decision making, stress management, standards, problem solving, IPR, energy conservation are not the part of curriculum.
8. Many suggestions were given in different courses like course titles, contents, contact hours, electives, course position in semester, etc.
9. Motivation needed for students to participate in conferences, symposiums, national-international competitions, etc.



Comments from BOS members (UG):

Dr. S.P. Chavan:

1. Add more no. of electives
2. FEA should be compulsory course, rather than elective.
3. Position of course IHP & ICE to be changed to VI & VII semester respectively.
4. Add automobile engineering & Industry management as an elective courses.
5. Engineering graphics practical's to have for 50 marks.

M.Bhalchandra Joshi

1. Appreciated for environmental science initiative.
2. In order to increase Employability of mechanical engineering students occupation focused structure should be emphasized on.
3. Courses like economics, humanity needs to be focused on.
4. Students should realize the importance of time management, attention to & importance of work, professional ethics, production management, line charts.

Mr. V.D.Shinde

1. Too much heavy structure in semester VII of 6 theory courses.
2. Too much credits 192, reduction of credits need to be thought over.
3. Need to change the position of Metallurgy & MTP to be changed to IV & III semester respectively.
4. Add Research methodology as an open elective.

Mr. Nitin Zanvar

1. More skill is to be imparted to students.
2. Hands on practice wherever possible is required.



Mr. Ramesh Gawade

1. Some drafting softwares like AutoCad, Pro-e, CATIA, Solid edge, Solid works&& Analysis softwares like Ansys for seismic analysis, structural analysis CFD analysis can be incorporated in curriculum
2. Tooling design & tool engineering can be added as an elective.
3. Technical training is to be given to students by Industry or Institute.
4. Students have to be made aware about Industry standards.
5. Industrial visits are to be conducted.
6. Emphasize on Foundry, 3D printing, rapid prototyping, machine shop, NDT etc.

Mr. Ganeshprasad Nikam

1. Appreciated to have professional communication being added in the curriculum.
2. Need mechanism to find out for student's interest in specific domain
3. FEA & CFD & solar technology can be kept as core courses
4. Energy conservation is not reflecting anywhere so need to be added
5. Courses like decision making, stress management, problem solving techniques need to be added.



Major changes suggested by BOS members for UG courses

1. FEA should be compulsory course, rather than elective.
2. Position of course IHP & ICE to be changed to VI & VII semester respectively.
3. Add automobile engineering & Industry management as an elective courses.
4. Need to change the position of Metallurgy & MTP to be changed to IV & III semester respectively
5. FEA & CFD & solar technology can be kept as core courses

General comments about First Year courses

Engineering Graphics:

Sr. no.	Existing content	Suggested Modification
1	Unit 2 Projection of lines & planes, 9 hrs are given in course structure	Contact hours can be increased to 10 hrs.
2	Unit 3 Projection of solids 06 hours are allotted in current course	Contact hours can be reduced to 5 hours.

Basic Mechanical Engineering:

Sr. no.	Suggested Modification
1	General materials used in industry must be included in Unit 6.
2	No need of VCR & VAR in Unit 4, instead applications of it can be incorporated

Immediate actions taken

1. FEA course made compulsory
2. Position of IHP & ICE courses is changed
3. Position of Metallurgy & MTP courses is changed
4. In Engg. Graphics contact hours of Unit 2 are increased to 10 hrs.
5. In Engg. Graphics contact hours of Unit 3 are reduced to 05 hrs.
6. General materials used in industry are added in Basic Mechanical Engineering.



M. Tech Mechanical Design Engineering

Suggestions

Semester I

1. Make Reliability Engineering as elective course instead of compulsory.
2. In the course Advanced Mechanics of Solid (503), revise the course contents & modify Unit 1 title.
3. Keep 'Process Equipment Design' as compulsory course. It is because of the fact that almost all industries make use of various types of pressure vessels, storage tanks, water and steam pipes lines, hydraulic and pneumatic actuators, heat exchangers etc. The designs of all such parts are covered in this course.
4. Add Overhead cranes, winches in the course Material Handling & Equipment Design.
5. For the courses Material Handling & Equipment Design & Process Equipment Design – contents of material can be added as Mechanics of Composites is elective course.
6. Two courses - Advanced Modelling & Simulation techniques (508), Mathematical Modelling & Simulation (511) both seems same.

Instead of these two courses - keep only one course as 'Advanced Mathematics and Computation'.

7. Instead of Professional Ethics and Values, keep non-credit Research Methodology.
8. Refer the table for the course 'Advance Design Engineering' - Unit 5 should be modified.

Sr. no.	Existing contents	Suggested Modifications
1	Design for Materials and Processes: a) Design for brittle fracture, Design for fatigue failure, Design for different machining process, assembly & safety etc. b)Cams Basic curves, cam size determination, calculating cam profiles, advance curves, polydyne cams,	<ol style="list-style-type: none">1. Most part of it is covered in UG.2. Include advanced design techniques can be added.3. No. of hours can be increased.



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

Minutes of Meeting

BOS Meeting

Date – 28th April, 2018, Saturday

DEPARTMENT OF MECHANICAL ENGINEERING



Minutes of Meeting

BOS Meeting SY B.Tech (192 Credits) & M.Tech

Date – 28/04/2018, Saturday

- 1) Dr. Prashant Kumar, Professor Emeritus COEP Pune
- 2) Dr. S SMohite, Profcssor GCE Karad
- 3) Dr. VasudevShinde, Professor DKTEIchalkaranji
- 4) Mr. Bhalchandra Joshi, Joshi JamphalaSatara (Industry Expert)
- 5) Mr. Ramesh Gavade, ManagerKBL Pune (Industry Expert)
- 6) Mr. Ganesh Nikam, (Aluminus - Industry Expert)

Theory Subjects SY B.Tech Sem - III

Points-

- 1)**Engineering Mathematics - III** – It was proposed to take 1-hour lecture to explain the application of the subject in real life and motivate studentsspecially Diploma students to understand and correlate the subject.
- 2)**Engineering Thermodynamics**–Focus on heat transfer in process industry (80% process industries include drying process). Prof. S A Urunkar – Process heat transfer included in TE HMT subject.
- 3)**Fluid Mechanics** –In laminar and pipe flow chapter cover velocity and pressure drop calculations in pipe bend which is useful in piping design application. Erosion of pipe due to velocity of fluid can be included in TE. FM equations must be covered in M3.
- 4)**Machine Tools &Processes**–Practical application of Non-conventional machining processes. Add additive manufacturing (3D printing) in chapter 1. It is added in TE advanced manufacturing processes. Fabrication processes of polymer and composites must be included. Students must practically see the processes. More industrial visits and vocational training must be included.



5) Machine Drawing– Visualization/imagination is important, students must be able to put the ideas on paper without using computer software. Improve free hand sketching skills, line work. Measure the component and then draw the component. Give project to each student to measure the machine component and draw assembly and detail drawing.

6) Computer Programming C++ - One semester project should be given. Students should write programs for application-based problem. C++ is basic platform for all the languages.

7) Environmental Studies – No any changes can be done. University syllabus.

LABORATORYS

8) Fluid Mechanics Laboratory–Add experiments on solar panels, solar cells.

9) Machine Drawing Laboratory(AutoCAD) – Individual drawing must be given to each student.

10) Computer Programming C++ Laboratory - One semester project should be given to each student to write programs for application-based problem.

11) Workshop Practice -III – Every student must do manual arc welding, they should burn the electrode. While preparing pattern they should consider allowances.

12) General Proficiency –Scientific techniques of decision making must be included. Students must be able to make quick and correct decisions.

SEM IV

Theory Subjects

1) Applied Numerical Methods –Add importance of subject in Unit 1. Add points in each chapter that numerical are based on mechanical engineering applications.

2) Mechanics of Materials –Modulus of rigidity not used, replace it with shear modulus. Introduction to 3D stress and strain analysis. Application of partial differential equation (PDE) in strain curvature. Remove the word moment of resistance and add bending



moment. Remove the word built up sections and add varying sections. Add more sections such as C. rectangular, circular.

3) Thermal Engineering –Add advanced boilers and their maintenance. Basics and details of Steam must be included. This is included in Steam Engg subject (elective).

4) Hydraulic Machines –Add centrifugal fans, valves, compressors.

5) Kinematics of Machines –Give projects based on application of mechanism for automation. Practical example of mechanism, add names of mechanism with practical approach.

6) Materials Science and Metallurgy - Dislocations must be added in Unit 1. Reduce hours for chapter on heat treatment and powder metallurgy. Add heat treatment of polymer and composites.

LABORATORYS

7) Numerical Methods using MATLAB Laboratory –Availability of license copy of MATLAB software.

8) Hydraulic Machines Laboratory –Modify turbocharger experiment. Remove word study and keep only word trial. Two experiments on Francis turbine can be combined to one.

9) Kinematics of Machines Laboratory –Don't include assignment on flywheel and dynamometer. Include assignment on belt drive. Don't combine flywheel and dynamometer, both are different concept. Add mini project for practical application of mechanism.

10) Materials Science and Metallurgy Laboratory –Include tensile, compressive, hardening, normalizing test. Add experiments with available equipment's. Add industrial visits.

11) Computer Aided Design Laboratory –Solid Edge software is widely used. Individual component for each student. Use 3D modeling in AutoCAD software. Use modeling software for mini project and final year project.

12) Workshop Practice -IV – Hands on all machine tool available in the workshop. Industrial visit - remove gear manufacturing industry.



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

Minutes of Meeting

BOS Meeting F.Y. B. Tech & T.Y.B. Tech

Date – 20th April, 2019, Saturday

DEPARTMENT OF MECHANICAL ENGINEERING



Annasaheb Dange College of Engineering and Technology

(An Autonomous Institute Affiliated to Shivaji University, Kolhapur)



Department of Mechanical Engineering

Board of Studies Members

1. Dr. Prashant Kumar, Professor Emeritus, COEP Pune
2. Dr. S S Mohite, Professor, GCE Karad
3. Dr. Vasudev Shinde, Professor, DKTE Ichalkaranji
4. Mr. Ramesh Gavade, Manager, KBL Pune (Industry Expert)
5. Mr. Ganesh Nikam, (Alumnus & Industry Expert, Forbes Marshall)

Agenda of Meeting

1. BOS meeting
2. Department activities
3. Formation and Finalization of revised 170 Credit Curriculum Structure
4. Discussion on third year courses (192 credits) and first year courses (170 credits) syllabus
5. Discussion on Sem-III to Sem-VIII structure of 170 Credit Structure.
6. Discussion about Professional and Open Electives to be added in revised curriculum



Annasaheb Dange College of Engineering and Technology

(An Autonomous Institute Affiliated to Shivaji University, Kolhapur)



Department of Mechanical Engineering

Board of Studies Members

1. Dr. Prashant Kumar, Professor Emeritus, COEP Pune
2. Dr. S S Mohite, Professor, GCE Karad
3. Dr. Vasudev Shinde, Professor, DKTE Ichalkaranji
4. Mr. Ramesh Gavade, Manager, KBL Pune (Industry Expert)
5. Mr. Ganesh Nikam, (Aluminus & Industry Expert, Forbes Marshall)

Agenda of Meeting

1. BOS meeting
2. Department activities
3. Formation and Finalization of revised 170 Credit Curriculum Structure
4. Discussion on third year courses (192 credits) and first year courses (170 credits) syllabus
5. Discussion on Sem-III to Sem-VIII structure of 170 Credit Structure.
6. Discussion about Professional and Open Electives to be added in revised curriculum

Suggestion/ Comments given by BOS members

T. Y. B.Tech

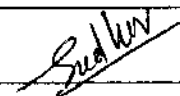
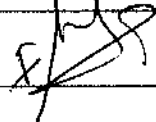
Sr. No	Course	Comments/ suggestions
1	Advanced Foundry Technology	Relation between advanced foundry and advanced manufacturing- Difference in syllabus
2	---	Software subject to be added in first semester
3	CAD -CATIA	CAD -CATIA, solid works to be added
4	Design of Machine Elements -I	<ol style="list-style-type: none"> 1. Selection of material. steps in design must be included, Problem definition- which is required for project (product design steps) 2. Prototyping without numerical to create interest in students 3. Can be done in mini project prototype development
5	Heat &Mass Transfer	Basic concept of Mass Transfer must be added
8	Manufacturing Engineering	<ol style="list-style-type: none"> 1. Economic aspects of tooling can be added 2. Standardoperating procedure to add
10	Heat &Mass TransferLaboratory	Numerical analysis assignment on heat transfer (application of Advanced Numerical Method - Like simple bar conduction, 2D Laplace equation)
11	Dynamics of Machine Laboratory	<ol style="list-style-type: none"> 1. Gyroscope - on small mobile, miniature gyroscope can be introduced (content beyond syllabus) 2. Industrial visit can be included regarding usage of FFT analyzer
12	Advanced Mechanics of Solids	<ol style="list-style-type: none"> 1. Bending through equations can be added 2. Sensors must be added
13	Advanced Foundry Technology	<ol style="list-style-type: none"> 1. Introduce 3D printing, die casting, advanced techniques for pattern making 2. Special Steels to add in unit no 4 , melting of special steels 3. In composite Laboratorycourse add polymers. 4. Composite must not be elective 5. Casting of polymers must be included
14	Manufacturing Engineering Laboratory	<ol style="list-style-type: none"> 1. Jig fixture assembly and dismantling 2. Manufacturer's catalogues must be used
16	MINI Project	The no of students in each group can be reduced. (may be 5)
17	Mechatronics	<ol style="list-style-type: none"> 1. 8051, 8052, Arduino can be mentioned 2. Remove outdated parts like flipflops
18	Hydraulics and pneumatics	Study of earthmoving systems, single system, full system
19	Metrology and Quality Control	<ol style="list-style-type: none"> 1. Quality Management System to be added 2. Quality tools to be included

20	Finite Element Analysis	1. Practical use of software 2. Verification of the results
21	Advanced Manufacturing Technology	Unit no. 4 can be eliminated- Composite Manufacturing and Composite Machining can be added.
22	Computational Fluid Dynamics	1. More practical's on software to be engaged 2. Connectivity in theory and Laboratory must be established 3. During lecture hours practical problems can be taken
23	Research Methodology -II	IPR (Patent filing) can be introduced
24	Mechanical Measurement Laboratory	1. Exposure to strain gauges 2. Force and torque measurement to be removed 3. Use of strain gauges for various applications to be made aware about
26	Mechatronics Laboratory	1. Arduino to be added 2. Curriculum of Microprocessor and Microcontroller to be reduced
27	Finite Element Analysis Laboratory	1. Beam model analysis assignment can be added 2. Harmonic transient analysis
28	Advanced Manufacturing Technology Laboratory	3D printing machine is required
29	Workshop Practice- VI	Make saleable product in group of 4 to 5 students
30	----	Pressure vessel design - Process Equipment as an elective can be floated

Suggestion / Comments given by BOS members

F. Y. B.Tech

Sr. No	Course	Comments/ Suggestion
1	C++	Reduce contact Hours
2	Engineering Graphics	Free hand sketches can be incorporated to improve skills
3	Machine Drawing Laboratory	Properly/ specific problem to be mentioned.

Prepared by		Approved by	
BOS In charge	Mrs. J.S. Jadhav	H.O.D.	



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

Minutes of Meeting

**BOS Meeting: Second Year B.Tech (170 Credits)
& Final Year B.Tech (192 Credits)**

Date – 14th December, 2019, Saturday

DEPARTMENT OF MECHANICAL ENGINEERING



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)
Department of Mechanical Engineering
BOS: MINUTES OF MEETING



BOS Meeting Report & Minutes of Meeting

Board of Studies (BOS) Meeting

Day & Date - Saturday, 14th December, 2019

Venue: Civil Seminar Hall

Time: 10:00 am to 1:30 pm

Members present for the Meet

Sr. No	Name of Expert	Designation
1	Dr.L.Y.Waghmode	Chairman (HoD)
2	Dr. S. S. Mohite	Academic Expert-1
3	Dr. V. D. Shinde	Academic Expert-2
4	Mr. Ganeshprasad Nikam	Alumni Representative
5	Mr. Amod Kulkarni	Industry Representative
6	Dr. S. P. Chavan	Member
7	Dr. A. B. Shinde	Member
8	Dr. P. D. Kulkarni	Member
9	Dr.S.S.Desai	Member
10	Mr. A. M. Pirjade	Member
11	Mr. V. B. Patil	Member
12	Mr. M. M. Jadhav	Member
13	Mrs. J. S. Jadhav	Member
14	Mr. A. A. Jadhav	Member
Sr.	Name of Expert	Designation

No	Name of Expert	Designation
15	Mr. P. S. Daingade	Member
16	Mr. R. R. Gaji	Member
17	Mr. A. R. Mane	Member
18	Mr. Y. P. Ballal	Member
19	Mr. V. S. Ganachari	Member
20	Mr. G. B. Pawar	Member
21	Mr. K. J. Burle	Member
22	Mr. G. N. Rakate	Member
23	Mr. H. H. Patil	Member
24	Mr. S. A. Mullya	Member
25	Mr. S. V. Patil	Member
26	Mr. V. G. Salunkhe	Member
27	Mr. P. V. Mali	Member
28	Mr. K. I. Nargatti	Member
29	Mr. P. M. Wadekar	Member
30	Mr. S. S. Bhosale	Member
31	Mr. G. M. Chendke	Member
32	Mr. S. L. Chittewar	Member
33	Mr. S. T. Ghutukade	Member
Sr.	Name of Expert	Designation



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering
BOS: MINUTES OF MEETING

No		
34	Mr. V. S. Gondkar	Member
35	Mr. R. T. Patil	Member
36	Mr. S. S. Chavan	Member
37	Mr. P. B. Patil	Member
38	Mr. A.V. Patil	Member
39	Mr. A. S. Tate	Member

rNo	Name of Expert	Designation
40	Mr. S. V. Yadav	Member
41	Mr. P. B. Pawar	Member
42	Mr. P. R. Bhokare	Member
43	Mr. A.S. Dabhale	Member
44	Mr. S.V.Nishandar	Member
45	Mr.D.A.Mhamane	Member
46	Mr. M MBepari	Member

Agenda of the Meet

Sr. no.	Time	Particulars
1.	10:00am to 10:05am	SaraswatiPujan& Lighting lamp
2.	10:05am to 10:20 am	Felicitation of Guests
3.	10:20am to 10:30am	Welcome Speech -Dr. L.Y.Waghmode HOD, Mechanical Engineering Department
4.	10:30 am- 11:45 am	Review of S.Y.B. Tech Curriculum 170 Credits
5.	11:50 am - 1:20 pm	Review of Final Year .B. Tech Curriculum 192 Credits
6.	1:20 pm - 1:30 pm	Vote of thanks




H.O.D.
Mechanical Engineering



Minutes of Meeting

Dr. L. Y. Waghmode, Chairman (BOS) & Head of Mechanical Engineering Department chaired the meeting and welcomed all the members to the Board of Studies Meeting of the Department of Mechanical Engineering.

Dr. L. Y. Waghmode introduced the Department and presented the curriculum of Second Year B.Tech (170 Credits) & Final Year B.Tech (192 Credits), and requested the panel members to put forward their suggestions & recommendations.

The BOS members suggested to ponder over the following issues:

1. For industrial visits course teacher must provide questionnaires' and students are supposed to write answers of asked question in industrial visit report.
2. For newly added courses; course teacher has to create interest among the students in first two lectures.
3. For newly added courses; literature referred by course teacher must be communicated to the paper setter.
4. Develop rapid prototyping laboratory.
5. Communication, Letter writing and chart reading is to be focused on.
6. To clarify the contents, emphasis can be given on videos while teaching.
7. Wherever applicable, analytical methods can be incorporated.
8. More number of Industrial visits are to be arranged.




H.O.D.
Mechanical Engineering



The detailed suggestions for different courses are summarized below:

Second Year B.Tech (170 Credits)- SEM-III

Sr. No.	Course	Course Code	Suggestions
1.	Kinematics of Machines	1MEPC202	<ul style="list-style-type: none">○ Add analytical method
2.	Thermodynamics	1MEPC203	<ul style="list-style-type: none">○ Give importance to analytical method.○ Add introduction to Mass balance/Heat balance and its applications.○ For Unit 3: add types of steam, superheated and saturated, concept, theory and its applications.○ Appropriate pressure of steam for different applications.○ Velocity of steam. (Should not exceed more than 30 m/s).○ For Unit 5: Turbine-use saturated steam.○ For Unit 6: Performance of steam turbine, add how to improve performance, add theory of impact of quality of steam on turbine.○ Add Rankine and modified Rankine cycle.
3.	Strength of Materials	1MEPC204	<ul style="list-style-type: none">○ Add any software treatment.○ Add assignment on deflection to calculate stress induced for simply supported beam with point load.○ For torsion, experiment can be created with apparatus.
4.	Materials science and Metallurgy	1MEES205	Nil
5.	Manufacturing Processes & Machine Tools	1MEPC206	<ul style="list-style-type: none">○ Add progression in development of machines, Machine tool transformation – state of art.○ No bake sand molding can be included in CO₂ molding. Furon molding a new trend.○ Lathe types are changing – lathe with turrets, live tools with sub – spindle and Y- axis.○ Industries may be visited.○ Abrasive Jet Machining
6.	Kinematics of Machines	1MEPC251	<ul style="list-style-type: none">○ Add graphical simulation/computational tool using any software such as ADAMS.



Department of Mechanical Engineering
BOS: MINUTES OF MEETING

	Laboratory		
7.	Material science & Metallurgy Laboratory	1MEES252	<ul style="list-style-type: none">○ Remove analysis word from experiment number 1.○ Add hard/soft materials. For different materials tests can be conducted and graphs/properties can be visualized.○ Industrial visit for metal heat treatment, forging shops.○ Weightage to powder metallurgy can be reduced and can be given to carbide tool manufacturing.○ Add Cold forming, hammering.
8.	Work shop Practice - II	1MEPC253	<ul style="list-style-type: none">○ Give batch wise job for welding.○ Remove pattern making job from curriculum.○ Report preparation for welding operation by considering varying parameters must be added.○ Different experiments for TIG and MIG welding must be introduced.○ Male part of job preparation in workshop practice - II; Female part of job preparation in workshop practice - III can be performed for the job needed to be prepared on lathe machine.○ Add performance on radial drilling machine.
9.	General proficiency Laboratory	1MEHS254	<ul style="list-style-type: none">○ Letter writing,○ Technical letter writing,○ Gantt chart,○ Pareto analysis,○ Graphical tools.

Second Year B.Tech (170 Credits) - SEM-IV

Sr. No.	Course	Course Code	Suggestions
1.	Dynamics of Machines	1MEPC208	<ul style="list-style-type: none">○ Add applications of gear trains with automotive power transmissions.○ Example - Gyroscope in mobiles, accelerometers, MEMS gyroscopes.



Department of Mechanical Engineering
BOS: MINUTES OF MEETING

			<ul style="list-style-type: none">○ In Unit 4 - add industrial visit for studying balancing.
2.	Fluid Mechanics	1MEPC209	<ul style="list-style-type: none">○ For Unit 4 add advantages of Laminar flow.
3.	Design of Machine Elements-I	1MEPC210	<ul style="list-style-type: none">○ Add Roller screw design
4.	Tools Engineering	1MEPC211	<ul style="list-style-type: none">○ Hex cutting
5.	Metrology, Quality Control & Measurement	1MEPC212	<ul style="list-style-type: none">○ Add calibration with master instrument available in FIE group. Facility can be availed by industrial visit to FIE research lab.
6.	Economics for Mechanical Engineers	1MEHS213	<ul style="list-style-type: none">○ Contemporary issues must be covered.○ Add reference books.○ Questions based on journals.○ Add breakeven analysis.○ Unit 1 - Nature of Companies - Pvt. Ltd, proprietorship, public etc.○ Non-banking financial sources.○ Unit 3 - make separate heads for expenses.○ Unit 5 - Add Profit loss statement.○ Unit 6 - Add Asset to liability ratio, PBT, PAT.
7.	Dynamics of Machines Laboratory	1MEPC255	<ul style="list-style-type: none">○ Show balancing chart available in automobile service center.
8.	Fluid Mechanics Laboratory	1MEPC256	Nil
9.	Metrology, Quality Control & Measurement Laboratory	1MEPC257	<ul style="list-style-type: none">○ Add one more experiment on measuring instrument / Add industrial visit.
10.	CAD Laboratory	1MEPC258	<ul style="list-style-type: none">○ Point load analysis to find deflection of beam
11.	Workshop Practice III	1MEPC259	<ul style="list-style-type: none">○ For jig and fixture exercises, reserve at least six turns of practical.○ Add GD &T symbols on job drawing, jig and fixtures exercises sheets.○ Casting hardness may be included and covered in industrial visit.



Final Year B.Tech (192 Credits) - SEM-VII

Sr. No.	Course	Course Code	Suggestions
1.	Refrigeration and Air conditioning	OMEPC401	<ul style="list-style-type: none">○ Give importance to real life examples.○ Add importance, types and applications of insulation.○ For unit 4 - Psychrometry use the link humcal.com/index.php○ For unit 6 - Ideal velocity of air in duct, Discuss ASHRAE standards, Heat recovery system in recirculation of air, Importance of ventilation of air, Pressure drops in duct design, duct system for process industry, if possible add filter, add material of duct.
2.	Internal Combustion Engines	OMEPC402	<ul style="list-style-type: none">○ Discuss new trends in engines.○ Add applications of IC engines.○ Unit 6 - discuss alternative fuels like CNG, Exposure towards Electric vehicle and Hybrid vehicles.○ Include fuel pumps.
3.	Mechanical System Design	OMEPE403	<ul style="list-style-type: none">○ Give case study for ergonomics, aesthetics.○ Unit 5 and 6 – general terminology has been used. Give tangible examples and specify it.○ Can think of exercise in ANSYS.○ Add optimization technique in this subject○ Add industrial visit.
4.	Advanced Welding Engineering	OMEPE404	<ul style="list-style-type: none">○ To clarify contents give emphasis on videos while teaching / Add industrial visit.
5.	Design of thermal System & Optimization	OMEPE405	<ul style="list-style-type: none">○ Discuss concept of air heater.
6.	Noise & Vibration	OMEPE406	Nil
7.	Non Destructive Testing	OMEPE407	<ul style="list-style-type: none">○ Take help of ISNT chapter while teaching.
8.	Steam Engineering	OMEPE408	<ul style="list-style-type: none">○ Add fuel efficiency. (GCV, NCV)○ Add feed water recovery/ condensate recovery.



Department of Mechanical Engineering
BOS: MINUTES OF MEETING

			<ul style="list-style-type: none">○ Add basics and types of steam.○ Change sequence of topics.○ Reduce contents of Topic 3 and Topic 5.○ Combine topic 5 and 6 and add steam basics.○ Deep study of enthalpy, entropy, latent heat, use of steam table.
9.	Industrial Management and Operation Research	OMEOE409	Nil
10.	Industrial Automation and Robotics	OMEOE410	<ul style="list-style-type: none">○ Add Industry 4.0, IoT○ Add pick and place gantries, multi machine automation, cycle time analysis, line balancing
11.	Mechanics of Fibrous Composites	OMEOE411	Nil
12.	Human values and Professional Ethics	OMEHS412	Nil
13.	Refrigeration and Air conditioning Laboratory	OMEPC451	Nil
14.	Internal Combustion Engines Laboratory	OMEPC452	Nil
15.	Noise & Vibration Laboratory	OMEPE453	Nil
16.	NDT Laboratory	OMEPE454	<ul style="list-style-type: none">○ Experiment number 1 must be performed on engineering components.○ Add experiment on leakage testing if possible.○ Add industrial visit.
17.	Steam Engineering. Laboratory	OMEPE455	<ul style="list-style-type: none">○ Add design of sample steam air heater.○ Take blower experiment in Turbo machinery.○ Arrange visit to Forbes Marshall.○ Arrange minimum two industrial visits for subject.○ Add one more experiment
18.	Project-I	OMEPR456	Nil



Final Year B.Tech (192 Credits) - SEM-VIII

Sr. No.	Course	Course Code	Suggestions
1.	Industrial Engineering	0MEPC413	○ Add LIFO etc.
2.	Smart Materials	0MEPC414	○ Take precaution of literature availability.
3.	Vehicle Dynamics	0MEPE415	Nil
4.	Solar Technology	0MEPE416	Nil
5.	Vehicle Dynamics Laboratory	0MEPE457	Nil
6.	Solar Technology Laboratory	0MEPE458	○ For Experiment 1 make arrangement of Pyrometer. ○ For Experiment 3 make arrangement of concentric collector. ○ Take group activity for stand-alone system. ○ Take audit for college or industry.
7.	Project-II	0MEPR459	Nil

Prepared By
BOS Meeting In charge

Sudhakar



Approved by
H.O.D
Mechanical Engineering



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

Minutes of Meeting

BOS Meeting: Third Year B.Tech (170 Credits)

Day & Date – Friday, 05th February, 2021

DEPARTMENT OF MECHANICAL ENGINEERING



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

BOS Meeting Report & Minutes

Day & Date - Friday, 05th February, 2021

Venue: Online (Microsoft Teams app)

Time: 10:00 am to 1:30 pm

Members present for the Meet

Sr. No	Name of Expert	Designation
1	Dr.L. Y. Waghmode	Chairman (HoD)
2	Dr. S. T. Chavan	VC Nominee
3	Dr. S. S. Mohite	Academic Expert-1
4	Dr. V. D. Shinde	Academic Expert-2
5	Mr. Ganeshprasad Nikam	Alumni Representati ve
6	Mr. Amod Kulkarni	Industry Representati ve
7	Dr. S. P. Chavan	Member
8	Dr. A. B. Shinde	Member
9	Dr. P. D. Kulkarni	Member
10	Dr. S. A. Moolya	Member
11	Mr. A. M. Pirjade	Member
12	Mr. V. B. Patil	Member
13	Mr. M. M. Jadhav	Member

14	Mrs. J. S. Jadhav	Member
15	Mr. A. A. Jadhav	Member
16	Mr. P. S. Daingade	Member
17	Mr. R. R. Gajl	Member
18	Mr. A. R. Mane	Member
19	Mr. Y. P. Ballal	Member
20	Mr. V. S. Ganachari	Member
21	Mr. G. B. Pawar	Member
22	Mr. K. J. Burle	Member
23	Mr. G. N. Rakate	Member
24	Mr. H. H. Patil	Member
25	Mr. S. V. Patil	Member
26	Mr. V. G. Salunkhe	Member
27	Mr. P. V. Mali	Member
28	Mr. K. I. Nargatti	Member
29	Mr. P. M. Wadekar	Member
30	Mr. G. M. Chendke	Member
31	Mr. S. L. Chittewar	Member
32	Mr. S. T. Ghutukade	Member
33	Mr. V. S. Gondkar	Member
34	Mr. R. T. Patil	Member



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

35	Mr. S. S. Chavan	Member
36	Mr. P. B. Patil	Member
37	Mr. A.V. Patil	Member
38	Mr. A. S. Tate	Member
39	Mr. S. V. Yadav	Member
40	Mr. P. B. Pawar	Member
41	Mr. P. R. Bhokare	Member

42	Mr. A. S. Dabhole	Member
43	Mr. S. V. Nishandar	Member
44	Mr. D. A. Mhamane	Member
45	Mr. S. S. Deshamukh	Member
46	Mr. V. T. Didake	Member
47	Mr. S. S. Gawade	Member
48	Mr. D. A. Dhanawade	Member




H.O.D.
Mechanical Engineering



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

Agenda of the Meet

Sr. no.	Time	Particulars
1.	10:30 am to 10:35 am	Welcome
2.	10:35 am to 10:45 am	To confirm the minutes of 4 th meeting of BOS.
3.	10:45 am to 10:55 am	To note the action taken report on the decisions taken during the 4 th meeting of BOS.
4.	10:55 am- 11:45 am	To discuss and modify the 170 credit structure to include value added courses as per NAAC and NBA requirements.
5.	11:50 am - 1:20 pm	To discuss and finalize the curriculum contents of TY B. Tech. Sem -V and Sem -VI of 170 credits.
6.	1:20 pm - 1:30 pm	Vote of thanks.




H.O.D.
Mechanical Engineering



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

Minutes of Meeting

1. Dr. L. Y. Waghmode, Chairman (BOS) & Head of Mechanical Engineering Department chaired the meeting and welcomed all the members to the Board of Studies Meeting of the Department of Mechanical Engineering.
2. Dr. L. Y. Waghmode introduced the Department and welcomed all the BOS members.
3. The minutes of 4th BOS meetings were confirmed.
4. Discussion on value added courses was carried out.
5. Separate meetings of each group, namely Design, Manufacturing, and Thermal, were started after value added courses discussion.
6. Dr. S. P. Chavan, Dr. S. A. Moolya and Mrs. J. S. Jadhav presented the curriculum of Design, Manufacturing and Thermal groups respectively. Mr. K. J. Burle also presented the curriculum to the BOS members belonging to industry separately.




H.O.D.
Mechanical Engineering



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

The detailed suggestions for different courses are summarized below:

Value Added Courses:

1. No. of hours can be increased
2. Hands on training Upto 60 Hrs can be given
3. Value added courses can be floated in terms of theory as well as practical sessions
4. Industrial visits can be arranged for students to get more practical insights.
5. Some credit/certification/minor degree can be offered to the students at institute level to make it more effective.
6. Artificial Intelligence and Machine Learning can also be floated.
7. Innovation and Design Thinking can be thought of as a value added course.
8. Students to be made aware in advance.
9. Students can be asked for the courses of their choice.
10. According to response of the students, some minor/nominal fees can also be charged.

Third Year B.Tech (170 Credits)

SEMESTER-V

Course Code	Course	Suggestions given
1MEPC301	Turbo Machinery	<ul style="list-style-type: none">• Cover more numerical on MPSH and NPSH.• Cover application of pumps
1MEPC302	Heat and Mass Transfer	<ul style="list-style-type: none">• Cover basic metal properties like heat transfer coefficient.• Include basics of mass transfer only. Avoid analytical content (no numerical and derivations)
1MEPC303	Design of Machine Elements -II	<ul style="list-style-type: none">• Change the topic sequence (Consider unit 4 as unit 1)
1MEPC304	Industrial Hydraulics and Pneumatics	No suggestions



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

Course Code	Course	Suggestions given
1MEPE305	Power Plant Engineering	<ul style="list-style-type: none">Plant maintenance not necessary to cover under power plant engineering.Add steam energy audit.
1MEPE306	Mechanical System Design	No suggestions
1MEPE307	Foundry and Forming Technology	<ul style="list-style-type: none">Include Manufacturing Technology by P. N. Rao book in text book list.Refer GATE Questions.Allot at least 2 Hr. for numerical treatment.
1MEPC351	Turbo Machinery Laboratory	No suggestions
1MEPC352	Heat and Mass Transfer Laboratory	No suggestions
1MEPC353	Design of Machine Elements –II Laboratory	<ul style="list-style-type: none">Syllabus is heavy for 2 hrs/week if possible, go for 4hrs/week.Teach kinematic design for multi speed Gear box.
1MEPC354	Industrial Hydraulics and Pneumatics Laboratory	No suggestions
1MEPC355	CAM Laboratory	<ul style="list-style-type: none">Add Industrial visit.Use a free source CAM software or purchase a license copy.
		<ul style="list-style-type: none">

The detailed suggestions for different courses are summarized below:

Third Year B. Tech (170 Credits)

SEMESTER-VI

Course Code	Course	Suggestions given
1MEES308	Operation Research	No suggestions
1MEPC309	Refrigeration & Air Conditioning	<ul style="list-style-type: none">Refer standard charts while designing duct
1MEPC310	Noise and Vibration	<ul style="list-style-type: none">Add impact of noise on environment and human body in unit.6



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

Course Code	Course	Suggestions given
		<ul style="list-style-type: none">Remove numerical part like Holzer methodGo for cantilever beam like examplesReduce syllabus
1MEPC311	Mechatronics and Robotics	<ul style="list-style-type: none">Add modern controllers like Arduino, Raspberry piInterfacing of sensors to above controllersIn unit 4 remove MEMS
1MEPE312	I C Engine	<ul style="list-style-type: none">Focus on basic concepts of I. C. Engine rather than numerical.Suggested to give more emphasis on electrical vehicle.
1MEPE313	Machine Tool Design	<ul style="list-style-type: none">Unit no.2 need to be modified for gear box design
1MEPE314	Advanced Manufacturing Technology	<ul style="list-style-type: none">Give more weightage to additive manufacturing by dividing into 2 topics instead of 1.Increase the content of Unit 6. (Composite Materials) and increase the teaching hours.Add implementation of G & M code in manufacturing a part on rapid prototyping machine.If possible, combine second and third unit; avoid repetition of the content covered in manufacturing processes in Second Year B.Tech.Reduce the content of unit 5. Welding Technology.
1MEPC356	Refrigeration & Air Conditioning Laboratory	No suggestions
1MEPC357	Noise and Vibration Laboratory	<ul style="list-style-type: none">Add shaft alignment experimentTake any 8 experiments from the list
1MEPC358	Mechatronics & Robotics Laboratory	<ul style="list-style-type: none">Change the title of last experiment like study of robotic programming
1MEPE359	I C Engine Laboratory	No suggestions
1MEPE360	Machine Tool Design Laboratory	<ul style="list-style-type: none">Detailed content required for case study no. 1Use title like design of bed for lathe machine/milling machine etc.Think about design of multi speed gear box



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)



Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 5th February, 2021.

Course Code	Course	Suggestions given
MEPE361	Advanced Manufacturing Technology Laboratory	<ul style="list-style-type: none">• Use industrial visit word in 8th experiment.• Make a student group and give separate problems to each group.• Calculate theoretical strength of polymer composites and also validate it on tensile testing machine.• Plan the content to be delivered in 10-12 weeks.
IMEPR362	Hands on Training/Internship/ Mini Project/ Certification Course	<ul style="list-style-type: none">• Reduce batch size for 4 to 5 students
<ul style="list-style-type: none">• Extra comment: Add Innovation and design thinking course separately in curriculum		

Sudhanu
15/02/2021
Prepared By
BOS Meeting In charge



[Signature]
Approved by
H.O.D
Mechanical Engineering



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

Minutes of Meeting

BOS Meeting: Final Year B.Tech (170 Credits)

Day & Date – Saturday, 09th October, 2021

DEPARTMENT OF MECHANICAL ENGINEERING



Department of Mechanical Engineering
BOS: MINUTES OF MEETING
Date: 9th October, 2021.

BOS Meeting Report & Minutes

Day & Date - Saturday, 09th October, 2021

Venue: Online (Microsoft Teams app)

Time: 2:00 pm to 5:30 pm

Members present for the Meet

Sr. No	Name of Expert	Designation	Sr. No	Name of Expert	Designation
1	Prof. M. M. Jadhav	Chairman (HOD)	21	Mr. K. J. Burle	Member
	Dr. S. T. Chavan	VC Nominee	22	Mr. G. N. Rakate	Member
3	Dr. S. S. Mohite	Academic Expert-1	23	Mr. H. H. Patil	Member
4	Dr. V. D. Shinde	Academic Expert-2	24	Mr. S. V. Patil	Member
5	Mr. Ganeshprasad Nikam	Alumni Representative	25	Mr. V. G. Salunkhe	Member
6	Mr. Vishal Balval	Industry Representative	26	Mr. P. V. Mali	Member
7	Dr. L. Y. Waghmode	Member	27	Mr. P. M. Wadekar	Member
8	Dr. S. P. Chavan	Member	28	Mr. G. M. Chendke	Member
9	Dr. A. B. Shinde	Member	29	Mr. S. L. Chittewar	Member
10	Dr. P. D. Kulkarni	Member	30	Mr. S. T. Ghutukade	Member
11	Dr. S. A. Moolya	Member	31	Mr. V. S. Gondkar	Member
12	Mr. A. M. Pirjade	Member	32	Mr. R. T. Patil	Member
13	Mr. V. B. Patil	Member	33	Mr. S. S. Chavan	Member
14	Mrs. J. S. Jadhav	Member	34	Mr. P. B. Patil	Member
15	Mr. A. A. Jadhav	Member	35	Mr. A. V. Patil	Member
16	Mr. R. R. Gaji	Member	36	Mr. A. S. Tate	Member
17	Mr. A. R. Mane	Member	37	Mr. S. V. Yadav	Member
18	Mr. Y. P. Ballal	Member	38	Mr. S. V. Nishandar	Member
19	Mr. V. S. Ganachari	Member	39	Mr. A. S. Mulla	Member
20	Mr. G. B. Pawar	Member			



Minutes of Meeting

1. Prof. M. M. Jadhav, Chairman (BOS) & Head of Mechanical Engineering Department chaired the meeting. Mr. R. R. Gaji welcomed all the members to the Board of Studies Meeting of the Department of Mechanical Engineering.
2. Prof. M. M. Jadhav introduced the Department and welcomed all the BOS members. The suggestions given at the 6th BOS meeting and action taken were discussed. The detailed structure and curriculum of Honor's/Minor's degree in Robotics were presented.
3. Separate meetings of each group, namely Design, Manufacturing, Thermal and interdisciplinary were started.
4. Prof. M. M. Jadhav, Dr. S. A. Moolya, Mr. S. V. Yadav and Mr. S. S. Chavan presented the curriculum of design, manufacturing, thermal and interdisciplinary groups respectively. Dr. S. P. Chavan, Dr. S. A. Moolya, Dr. S.A.I. Bellary and Dr. L. Y. Waghmode offered vote of thanks.
5. The minutes of 7th BOS meetings were confirmed.



Department of Mechanical Engineering
BOS: MINUTES OF MEETING
Date: 9th October, 2021.

The detailed suggestions for Robotics (Honor's/Minor's degree) are summarized below:

1. Avoid old controllers 8085, 8051.
2. Prefer to teach recent controllers like - Raspberry pi, PIC
3. Develop a lab relevant to course content like tinkering lab.

Other Suggestions related all domain:

1. In the next BOS meeting, form four domains including mechatronics and other interdisciplinary courses.
2. Floating of Additive Manufacturing as a course.
3. One/two day's workshop on Design Thinking should be arranged before starting project to identify problem.
4. Course content delivery should include: Flipped class room mode, Case based learning & Problem based learning, Course projects, Field visits, etc.
5. Course outcomes of some of the courses should include higher order thinking skills: synthesizing, analyzing, reasoning, comprehending, application, and evaluation, e.g., TQM, Advanced Materials, REE, etc.
6. External examiners for theory courses of end semester examination were discussed and finalized.
7. External examiners for oral examination were discussed and finalized.



The detailed suggestions for different courses are summarized below:

Final Year B.Tech (170 Credits)

SEMESTER-VII

Course Code	Course	Suggestions given
1OE***	Open Elective-III	
	Total Quality Management	No suggestions
	Reliability Engineering	No suggestions
	Renewable Energy Engineering	<ul style="list-style-type: none">• Add book Ranjanrakesh, Kothari and Singhal (Renewable Energy Sources) These books are Recommended by AICTE.
Additional	Advanced Materials	<ul style="list-style-type: none">• Check availability of book, that will cover all syllabus.• Chapter 3 and 4 – add application of materials.• Introduction to Biomaterials, Agrawal&Gopinath, Cambridge University Press (Advanced material), Renewable Energy Sources and Emerging Technologies, PHI,
1MEPC401	Vehicle Engineering	<ul style="list-style-type: none">• Add one or two separate units on Electric vehicles.• Add one unit on battery system
1MEPC402	Finite Element Analysis	No suggestions
1MEPE***	Professional Elective-III	•
1MEPE403	CFD	No suggestions
1MEPE404	Condition Monitoring	No suggestions
1MEPE405	Non-Destructive Testing	<ul style="list-style-type: none">• Add Radiography image processing, latest update in developing films in market.• Remove word 'etc.'
1MEPE***	Professional Elective-IV	
1MEPE406	Energy Engineering	No suggestions
1MEPE407	Reliability Engineering	No suggestions
1MEPE408	Industrial Engineering	<ul style="list-style-type: none">• Remove text-book O.P Khanna, and add B. Mahadevan
1MEPC451	Finite Element Analysis	<ul style="list-style-type: none">• Remove Theoretical Assignments (1 and 2)



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Department of Mechanical Engineering

BOS: MINUTES OF MEETING

Date: 9th October, 2021.

Course Code	Course	Suggestions given
	Laboratory	<ul style="list-style-type: none">Shift the experiment no 4. as experiment 1 (Introduction to ANSYS Software)
1MEPE***	Professional Elective-III Laboratory	<ul style="list-style-type: none">
1MEPE452	CFD	No suggestions
1MEPE453	Condition Monitoring	No suggestions
1MEPE454	Non-Destructive Testing	<ul style="list-style-type: none">Increase the number of experiments on the equipments available in the lab. Add experiments on ultrasonic testing with different probes.

Final Year B. Tech (170 Credits)

SEMESTER-VIII

Course Code	Course	Suggestions given
1MEHS409	Engineering Management	No suggestions
1MEHS411	Constitution of India	No suggestions
1MEPR459	Internship/ Project	<ul style="list-style-type: none">Title should be Project Phase – I& IICase based study, Field visit learning should be performed to identify problemFlexibility for selecting the project and internship


Prepared By
BOS Meeting In charge


Approved by
H.O.D
Mechanical Engineering



**Annasaheb Dange College of Engineering and
Technology, Ashta
An Autonomous Institute**

Minutes of Meeting

BOS Meeting : First Year B.Tech (160 Credits)

Day & Date – Saturday, 27th Aug, 2022

DEPARTMENT OF MECHANICAL ENGINEERING





Minutes of Meeting

1. Prof. M. M. Jadhav, Chairman (BOS) & Head of Mechanical Engineering Department chaired the meeting. Mr. R. R. Gaji welcomed all members to the Board of Studies Meeting of Department of Mechanical Engineering.
2. Prof. M. M. Jadhav introduced the Department and welcomed all the BOS members. The suggestions given at the 7th BOS meeting and action taken were discussed.
3. Prof. M. M. Jadhav presented the detailed curriculum structure for all compulsory, open elective & professional elective courses of design, manufacturing & thermal domains.
4. Discussion has been done on credits allotted to all courses in each semester.
5. The committee members suggested floating value added courses to upgrade the knowledge and skill sets of students.
6. The committee members suggested covering the project as well as internship in final year semesters.
7. Apart from current three domains committee members suggested to add one more domain that is Multidisciplinary.
8. Suggestions are given regarding balancing of credits allotted in third and fourth semester.
9. External examiners for oral examination were discussed and finalized.
10. Dr. L. Y. Waghmode offered vote of thanks.





Department of Mechanical Engineering
BOS: MINUTES OF MEETING
Date: 27th Aug, 2022.

BOS Meeting Report & Minutes

Day & Date - Saturday, 27th Aug, 2022

Venue: Online (Microsoft Teams app)

Time: 10:00 am to 12:30 pm

Members present for the meet

Sr. No	Name of Expert	Designation	Sr. No	Name of Expert	Designation
1	Prof. M. M. Jadhav	Chairman (HOD)	17	Mr. A. R. Mane	Member
2	Dr. S. T. Chavan	VC Nominee	18	Mr. Y. P. Ballal	Member
3	Dr. S. S. Mohite	Academic Expert-1	19	Mr. G. B. Pawar	Member
4	Dr. V. D. Shinde	Academic Expert-2	20	Mr. K. J. Burle	Member
5	Mr. Ganeshprasad Nikam	Alumni Representative	21	Mr. G. N. Rakate	Member
6	Mr. Amod Kulkarni	Industry Representative	22	Mr. H. H. Patil	Member
7	Mr. Vishal Balvan	Industry Representative	23	Mr. S. V. Patil	Member
8	Dr. L. Y. Waghmode	Member	24	Mr. P. V. Mali	Member
9	Dr. S. P. Chavan	Member	25	Mr. G. M. Chendke	Member
10	Dr. P. D. Kulkarni	Member	26	Mr. S. T. Ghutukade	Member
11	Dr. S. A. Moolya	Member	27	Mr. V. S. Gondkar	Member
12	Mr. A. M. Pirjade	Member	28	Mr. R. T. Patil	Member
13	Mr. V. B. Patil	Member	29	Mr. P. B. Patil	Member
14	Mr. A. A. Jadhav	Member	30	Mr. A. S. Tate	Member
15	Mr. R. R. Gaji	Member	31	Mr. S. V. Nishandar	Member
16	Dr. V. G. Salunkhe	BOS Meeting In charge			





Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)
Department of Mechanical Engineering
BOS: MINUTES OF MEETING
Date: 27th Aug, 2022.



Agenda of the Meet

Sr. no.	Time	Particulars
1.	10:00 am to 10:10 am	Welcome
2.	10:10 am to 10:20 am	To confirm the minutes of 7 th meeting of BOS.
3.	10:20 am to 10:30 am	To note the action taken report on the decisions taken during the 7 th meeting of BOS.
4.	10:30 am - 11:00 am	To discuss and modify the 160 credit structure and discuss in detail of F.Y Curriculum of 160 credit courses as per NAAC and NBA requirements.
5.	11:00 am - 12:00 pm	To discuss and finalize the curriculum contents of F.Y B. Tech. Sem -I and Sem -II of 160 credits.
6.	12:00 pm - 12:10 pm	Vote of thanks.





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Annasaheb Dange College of Engineering and Technology
Ashta, (District: Sangli)
Department of Mechanical Engineering
BOS: MINUTES OF MEETING
Date: 27th Aug, 2022.



Detailed Course wise Suggestion

Course Code	Course Name	Name of Expert	Suggestion from Expert	Action Taken
General		Dr. Sandip Chavan	<ul style="list-style-type: none">• Internship & Project Phase (Change name)• Policy to be defined for Internship with industry project & internship with in house project are else separate two things internship and project.	<ul style="list-style-type: none">• As per guidelines from institute kept as it is Internship/ Project Phase II.• Suggestions are taken into consideration and policies are defined for Internship and projects and incorporated in structure.
		Dr. V. D. Shinde	<ul style="list-style-type: none">• Semester wise credit not balanced.• Develop design thinking lab.• Create Phase I or Phase II for evaluation.	<ul style="list-style-type: none">• As per guidelines from institute all credits are allocated to each semester.• Suggestions are taken into consideration and policy are defined and incorporated in structure.
		Dr. Suhas Mohite	<ul style="list-style-type: none">• Credit variation low is 16 and high is 22 (Think and redistribute it)• Add acoustic material to NVH	<ul style="list-style-type: none">• As per guidelines from institute all credits are allocated to each semester.• Acoustic related theoretical concepts are included in noise and vibration course.
		Mr. Ganesh Prasad Nikam	<ul style="list-style-type: none">• Solar Tech and Engineering Economics courses must be included	<ul style="list-style-type: none">• Solar Technology and Economics related courses are included in professional electives.





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2MEBS101	Engineering Chemistry	Dr. Suhas Mohite Mr. Ganesh Prasad Nikam	<ul style="list-style-type: none">Revisit to CO5 StatementAdd content related Galvanizing	<ul style="list-style-type: none">CO5 are revised as per suggestion given by expert.Theoretical concept related Galvanizing is incorporated in the curriculum.
2MEBS151	Engineering Chemistry Laboratory	Dr. Suhas Mohite	<ul style="list-style-type: none">Lab curriculum is appropriate	<ul style="list-style-type: none">--
2MEBS102	Applied Mathematics-I	Dr. Suhas Mohite	<ul style="list-style-type: none">Include practical examples on Eigen values to give significance for vibrationsAdd Case Study on excel for curve fittingInclude Practical examples on complex analysis to get magnitude and signals	<ul style="list-style-type: none">Suggestion are taken into consideration and incorporated into curriculum.Case study on excel sheet based on curve fitting is considered for ISE.
2MEBS107	Engineering Mathematics-II	Dr. Suhas Mohite	<ul style="list-style-type: none">Include ODE in the first unit before PDEAdd the application of spring mass damping circuit.Unit IV and V content must be revised as per student understanding level.In unit IV numerical methods must be included.	<ul style="list-style-type: none">Suggestion are taken into consideration and incorporated into curriculum.Unit IV and V content is revised and numerical methods are added into curriculum
2MEES103	Engineering Graphics	Dr. Sandip Chavan	<ul style="list-style-type: none">Content is more as per credit allocated	<ul style="list-style-type: none">The content is revised and updated in curriculum.
2MEES152	Engineering Graphics with CAD Laboratory	Dr. Sandip Chavan	<ul style="list-style-type: none">Rearrange the curriculum and defined its scope.	<ul style="list-style-type: none">Scope is identified and redefined in the lab curriculum.





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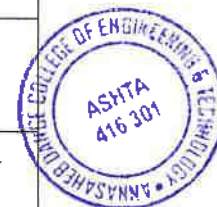


Department of Mechanical Engineering

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2MEES104	Basic Electrical & Electronics Engineering	Dr. Suhas Mohite	<ul style="list-style-type: none">Application ODE relevant to RL, RLC should be included.Unit4 NOR, NOT Gate relate to Transistor should be included.	<ul style="list-style-type: none">The content is revised and updated in curriculum.Suggestion are taken into consideration and incorporated into unit 4.
2MEES105	Computer Programming	Dr. Suhas Mohite	<ul style="list-style-type: none">Applications of Computer Programming in Mechanical Engineering should be included.	<ul style="list-style-type: none">Computer programming based mechanical applications are incorporated into curriculum.
2MEES110	Computer Programming Using C++	Dr. Suhas Mohite	<ul style="list-style-type: none">Consider future relevance of Computer Programming course in 2nd and 3rd year curriculum.	<ul style="list-style-type: none">Future relevance is considered into 2nd and 3rd year curriculum.
2MEES154	Workshop Practice-I	Mr. Ganesh Prasad Nikam	<ul style="list-style-type: none">Design and developing the jobs which should be commercial into the market.	<ul style="list-style-type: none">Suggestion are taken into consideration and incorporated into workshop Practice-I.
2MEES156	Workshop Practice-II	Mr. Ganesh Prasad Nikam	<ul style="list-style-type: none">Design and developing the jobs which should be commercial into the market.	<ul style="list-style-type: none">Suggestion are taken into consideration and incorporated into workshop Practice-I.
2MEES106	Engineering Physics	Dr. Suhas Mohite	<ul style="list-style-type: none">Add Dropler VibrometerAdd Dropler effect on vibration characteristic in laser vibrometer	<ul style="list-style-type: none">Dropler related content is incorporated into curriculum.
2MEES155	Engineering Physics Laboratory	Dr. Suhas Mohite	<ul style="list-style-type: none">Content is updated and satisfying the need of curriculum.	<ul style="list-style-type: none">
2MEES108	Applied Mechanics	Dr. Suhas Mohite	<ul style="list-style-type: none">Practical approach should be discussed briefly.	<ul style="list-style-type: none">Suggestion are taken into consideration and updated in the revised curriculum.
	Computer Programming Using C++	Dr. Suhas Mohite	<ul style="list-style-type: none">Applications of Computer Programming in Mechanical Engineering should be included.	<ul style="list-style-type: none">Computer programming based mechanical applications are incorporated into curriculum.





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2MEHS111	Professional Communication	Mr. Ganesh Prasad Nikam	<ul style="list-style-type: none">• Scope must not be limited to theoretical approach.	<ul style="list-style-type: none">• Various activity are included into the curriculum for enhancing their communication skills.
1MEES158	Computer Programming Using C++ Laboratory	Dr. Suhas Mohite	<ul style="list-style-type: none">• Consider future relevance of Computer Programming course in 2nd and 3rd year curriculum.	<ul style="list-style-type: none">• Future relevance is considered into 2nd and 3rd year curriculum.
1MEES157	Design Thinking Lab	Mr. Ganesh Prasad Nikam	<ul style="list-style-type: none">• Design thinking approach should be considered.	<ul style="list-style-type: none">• Curriculum is designed as per the NPTEL course content.
2MEHS204	Psychology	Dr. Sandip Chavan	<ul style="list-style-type: none">• Scope must not be limited to theoretical approach.	<ul style="list-style-type: none">• Activity based assessment is planned

Prepared By
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