



Annasaheb Dange College of Engineering and Technology, Ashta

Tal - Walwa, Dist-Sangli; India 416 301

(An Autonomous Institute)

## Department of Basic Sciences

### 5<sup>th</sup> Board of Studies Meeting 2021-2022

Sr. No.	Name of Member	Designation & Address	Position	Sign
1	Mr. S. S. Mohite	HOD Department of Basic Sciences. ADCET, Ashta	Chairman	
2	Dr. S. B. Joshi	Professor, WCE, Sangli	Member	
3	Dr. N. V. Nalawade	Principal, The New College Kolhapur	University Representative	
4	Dr. P. P. Patil	Associate Professor, J J Magdum College of Engg, Jaysingpur	Member	
5	Dr. Mrs. Bharati B Patil	Sanjay Ghodawat University, Atigre	Member	- Ab -
6	Mr. K. A. Shinde	Creative Engg. Pvt. Ltd. Palus	Representative From Industry	- Ab -
7	Mr. A. L. Joshi	Prima-Versa Technology Pvt Ltd, Pune	Alumni	
8	Mr. Z. D. Sande	Assistant Professor ADCET	Member	
9	Mr. C. V. Suryavanshi	Assistant Professor ADCET	Member	
10	Mr. R. B. Deshmukh	Assistant Professor ADCET	Member	
11	Mr. A. G. Shinde	Assistant Professor ADCET	Member	
12	Ms. S. D. Mane	Assistant Professor ADCET	Member	
13	Ms. S. S. Mohite	Assistant Professor ADCET	Member	
14	Mr. A. M. Metkari	Assistant Professor ADCET	Member	
15	Mrs. V. M. Vairat	Assistant Professor ADCET	Member	



Head of the Department

Board of Studies (BoS) 2017-2018

Sant Dnyaneshwar Shikshan Sanstha's  
**Annasaheb Dange College of Engineering and Technology, Ashta**  
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)

**Department of Basic Sciences**

**5<sup>th</sup> Meeting, Board of Studies**

**On**

**27<sup>th</sup> August 2022**

**Agenda of Meeting**

1. Welcome BOS Members.
2. Review of previous meetings.
3. Discussion on third revision drafted curriculum of Applied Mathematics I and II, Physics, Chemistry and Professional Communication for all programmes.
4. Discussion on mode of assessment for ISE I and ISE II of all programmes.
5. Discussion on nature of question paper and format of question paper for MSE and ESE.
6. Finalization of revised curriculum of Applied Mathematics I and II, Physics, Chemistry and Professional Communication for all programmes.
7. Any other points for discussion with permission of chairperson.

Prof. Mrs. S. S. Mohite

(Secretary)



Prof. S. S. Mohite

(HOD-Basic Sciences)

Date: 27/08/2022

Date: 27/08/2022

## 5<sup>th</sup> Board of Studies Meeting

BoS Meeting is conducted for curriculum revision for the programmes:

- 1) Mechanical Engineering
- 2) Civil Engineering
- 3) Electrical Engineering
- 4) Aeronautical Engineering
- 5) Food Technology
- 6) Computer Science and Engineering

And Agricultural Engineering (newly introduced) curriculum  
on 27/08/2022 at 10.00 am in the presence of

- 1) Dr. Bharati Patil
- 2) Mr. Prashant P. Patil
- 3) Dr. Santosh B Joshi
- 4) Dr. Nagesh V. Nalawade

Curriculum of following courses where discussed in detail

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





**Course: Applied Physics Date: 27/08/2022, Time 3.15PM**

The following points were discussed in BoS meeting of Applied Physics

1. First there was discussion about the teaching scheme and the credits allotted for Applied Physics.
2. The sequence of the units in the syllabus was finalized.
3. Quantum Physics is added as it is inlined with mechanical and Aeronautical engineering
4. For circuit branches in Unit –I, expert suggested that if possible exclude points ‘positive and negative crystal and pumping scheme’ as it was getting too much content in same unit.
5. It was suggested to use title ‘seven crystal system’ Instead of ‘Crystal system in brief, (Cubic, Monoclinic... Triclinic)’.
6. Wave optics is added in circuit branches.
7. Experiments is added numerical aperture of optical fibre and material characterization using ultrasound.
8. BOs member seems satisfied with overall syllabus of both (Core and Circuit branches) because it is inlined with the syllabus of COEP, VJTI, Mumbai and Government College of Engineering, Karad.
9. During discussion about Applied Physics Laboratory syllabus, TWO experiments i.e. ‘Numerical aperture of optical fibre and Material Characterizations using ultrasound’ were added and list of 14 experiments was finalised.
10. The method of conduction of experiments was discussed and finalised.
11. Guidelines for paper setter and nature of question paper for MSE and ESE were also discussed.
12. The pattern for mode of conduct of ISE-I and ISE-II finalised as written examination and poster presentation respectively.

**Applied Chemistry online meeting Date: 25/08/2022 at 11.30 am**

The BoS Meeting to discuss on syllabus of Course-Applied Chemistry was held on 25/08/2022 at 11.30 am with our BoS member Mr. Prashant P. Patil, Assistant Prof., J. J. Magdum College of Engineering, Jaysingpur.

In meeting the detailed curriculum of Applied Chemistry was discussed. The



following suggestions are prescribed by the BoS member:

1. Add an experiment on preparation of phenol-formaldehyde resin in laboratory course, since this experiment is related to a theory part of syllabus.
2. Lubricant and ceramic materials add in Mechanical branch
3. Added new unit Advance materials in CSE programme
4. Experiment with title 'Determination of viscosity of lubricating oil' is added.
5. Experiment with title 'Determination of calorific value of fuel using Bob calorimeter' is added.
6. Theory syllabus was set appropriately, according to him. So, there was no change suggested by him.
7. He appreciated that, the number of relevant reference and text books are available as per curriculum.
8. Relevant tools for appropriate evaluation in ISE were also discussed. He appreciated the conduction of activity based ISEs for F. Y. B. Tech. students.

#### **Applied Mathematics I and II**

**Date: 24/08/2022 at 11.00 am**

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

1. Suggested to change the title of unit number 4 "Curve Fitting and Statistics" to "Statistics and Curve Fitting" in Applied Mathematics I.
2. Suggested to change the title of unit number 5 "Expansion of Function and Indeterminate forms" to "Calculus" in Applied Mathematics I.
3. Add statistical techniques for the data analysis in the curriculum
4. Deleted Cayley Hamilton theorem from Eigen value and Eigen vectors.
5. Suggested in reference book list add the book with title "Linear Algebra and Its Application" by Devid C. Lay
6. "Linear Algebra" by I. K. Rana in the computer Science and Engineering Curriculum in AM I.
9. The books are enough and relevant to both Applied Mathematics I and Applied Mathematics II as per curriculum designed by our faculty for remaining programmes.
10. Lot of discussion on relevant tools for appropriate evaluation in ISE and question paper of ESE.
11. Suggested to give the flexibility to paper setter for Weightage of each question in question paper of Applied Mathematics I and Applied Mathematics II





12. Suggested to brainstorm on Evaluation scheme of Applied Mathematics I and Applied Mathematics II courses.

**Course Name: Communication Skills**

1. Expert appreciated concept of uniform syllabus for all programs.
2. Recommended to exclude practical session entitled 'Remedial Grammar' as it needs more time to elaborate and dictate.
3. Suggested practical based on **Vocabulary Building**.
4. Added new practical composing professional E-mails
5. Added new practical on Mock interview.
6. Added new practical organizing an Event.
7. **Same practical was suggested by the Expert from Civil Engineering Dr. Kumthekar in BOS of Civil Department.**
8. Particular emphasis by expert was on mode of conduction of practical session. It is recommended that modern techniques are to be used, and more opportunities are to be provided to students to perform on stage.
9. Special emphasis is to be given to the platforms while conducting practical's such as e-mail writing. i.e. instead of writing they should type their content and submit it.



  
HOD

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