



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

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| 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. |



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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 were 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.





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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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