



Vidya Pratishthan's
**KAMALNAYAN BAJAJ INSTITUTE OF ENGINEERING AND
TECHNOLOGY, BARAMATI**

Date: 09/09/2023

DEPARTMENT OF GENERAL SCIENCE AND ENGINEERING

Minutes of the Meeting

Curriculum draft was prepared by the internal BoS committee members of VPKBIET, Baramati and the soft copy of the draft was provided to the external BoS members for their views and guidelines. Based on this, a meeting of all the members of board of studies (BOS) of the **General Science and Engineering** Department for Basic Science courses and Communication and Professional skill course was held in the Online mode (for external members) as-well as in the offline mode (for internal members), on Saturday, 09-09-2023 at 11.00 a.m. to 2.00 p.m. in the Principal's cabin at VPKBIET.

Online meet link: - <https://meet.google.com/hgt-gxeb-svp>

Agenda of the meeting:

1. NEP based curriculum framework, credit system and its implementation.
2. Discussion on the curriculum draft of Basic Science courses and Ability enhancement courses of the First Year B. Tech.

Following BOS Members were present for the meeting:

Sr. No.	Name of Attendees	Designation (Subject)	Sign
1.	Dr. R. S. Bichkar	Principal, VPKBIET, Baramati	
2.	Dr. Aparna G. Sajjan	Chairman of BOS & Head of General Science and Engineering Dept, VPKBIET, Baramati	
3.	Dr. Vinayak V. Joshi	Member BOS, Professor, SPPU, Pune. (Mathematics)	Attended Online
4.	Dr. Kiran V. Dalvi	Member BOS, COEP Technological University, Pune. (Mathematics)	Attended Online
5.	Dr. Sunil G. Kandalkar	Member BOS, JSPM's Rajarshi Shahu College of Engineering, Tathawade, Pune. (Physics)	Attended Online

6.	Dr. Bhaurao R. Shinde	Member BOS, Sanjivani College of Engineering, Kopergaon, Ahmednagar. (Physics)	Attended Online
7.	Dr. Prabhakar B. Undre	Member BOS, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (Physics)	Attended Online
8.	Dr. Yogesh P. Patil	Member BOS, AISSMS Institute of Information Technology, Shivajinagar Pune. (Chemistry)	Attended Online
9.	Dr. Shridhar P. Saptale	Member BOS, Sinhgad Academy of Engineering, Kondhwa (Bk.), Pune. (Chemistry)	Attended Online
10.	Dr. Shashank Mane	BOS Member, Tuljaram Chaturchand Arts, Commerce and Science College, Baramati. (English)	Attended Online
11.	Dr. Anil P. Hiwarekar	Dean Academics, VPKBIET, Baramati	<i>Hiwarekar</i>
12.	Dr. Manisha S. Lande	Hea Autonomy, VPKBIET, Baramati	<i>MS Lande</i>
12.	Dr. Nirmal K. Sahuji	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>N K Sahuji</i>
13.	Dr. Anil S. Disale	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>Disale</i>
14.	Mr. Deepak S. Sonawane	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>DSonawane</i>
15.	Ms. Gauri G. Bhoite	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>G Bhoite</i>
16.	Dr. Anil B. Patil	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>ABP Anil Patil</i>
17.	Dr. Nitin A. Jadhav	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>N A Jadhav</i>
18.	Mr. Amol S. Jadhav	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>Amol S Jadhav</i>
19.	Ms. Supriya A. Thube	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>S A Thube</i>
20.	Mr. Abhijeet P. Khandagale	BOS Member, General Science and Engineering, VPKBIET, Baramati	<i>Abhijeet P Khandagale</i>
21.	Dr. Nitin T. Shelke	Member Secretary, General Science and Engineering, VPKBIET, Baramati, Baramati	<i>N T Shelke</i>

At the beginning of the meeting, Dr. Aparna Sajjan, Head, department of General Science and Engineering, presented the details of the First year B.Tech. curriculum incorporating the NEP-2020. In her presentation, she explained about the structure along with the examination schemes and the Blooms taxonomy levels of the course objectives for each of the Basic science and Ability enhancing courses. Then, all the internal subject experts of Mathematics, Physics, Chemistry and English, presented the detailed aspects of the syllabus, examination schemes and the activities that are proposed.

Following points were suggested by the external committee members of BOS during the meeting:

I) Mathematics:

1. Include links of online websites and MOOC video lectures such as NPTEL, in the syllabus.
2. Appropriate title for M-II can be given as ^{OP E}Integral Calculus and Fourier Series.
3. Assignments on MATLAB can be given as an activity or covered in extra lectures.
4. Linear Algebra course, Advanced statistics can be offered to the higher-class students as open electives.
5. Unit No. 3, Statistics, should be unit No. 6 in accordance to the relative syllabus of other units.

II) Physics:

1. Four units of Physics can be common to all branches and the remaining two units can be branch specific.
2. References for framing the syllabus must be mentioned.
3. More weightage can be given to the term work.
4. Demo experiment/s may be included in the practicals.
5. For the curriculum, the syllabus of autonomous institutes like IIT, and COEP may be referred to.
6. Simulation-based practicals can be included in Physics for demonstration.
7. Mini projects can be added for one semester under the activities.
8. Self-learning topics – Beyond the syllabus can be included.
9. Course outcomes must also be included for Practical

III) Chemistry:

1. Reduce some of the contents of the chemistry syllabus as it is difficult to cover the syllabus in the given time.
2. Introduce in Unit -2 sensor-based materials.
3. For rational evaluation, include ten experiments and few demonstration-based experiments including contents beyond syllabus.

IV) Communication and Professional Skills:

1. Communication skill course can be divided into two parts: 1) Basic Communication and 2) Research Methodology.
2. For communication, 1 Hr for theory and 2 Hr for practical can be given for a 2-credit course.
3. Oral exam for communication could be of 20 marks and 20 marks can be given for Activities.

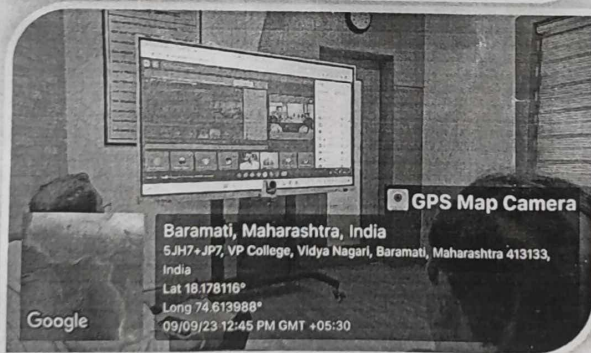
Common guidelines for all subjects:

1. One hour extra, Self-Study Slot, may be included in the academic timetable.
2. Basic science courses should be oriented toward major disciplines.
3. Continuous internal assessment (CIA) must be designed such that to map all the PO's.

Recorded online meeting Link: -

https://drive.google.com/file/d/1OlckUEYJwtdad-FBPHTX0A665D8mWQd/view?usp=drive_link

<https://drive.google.com/file/d/1OlckUEYJwtdad-FBPHTX0A665D8mWQd/view?usp=sharing>



Sajjan

Dr. Aparna G. Sajjan
BOS Chairman & HoD
General Science and Engineering,
VPKBIET, Baramati



R. S. Bichkar

Dr. R. S. Bichkar
Principal
VPKBIET, Baramati