

2026



Arvind Gavali College of Engineering
(An Autonomous Institute)

ACADEMIC COUNCIL MEETING

Prepared by :

Member Secretary, Academic Council



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www.agce.edu.in

Minutes of Meeting

Fourth Academic Council Meeting

Day & Date: Tuesday, 23th June 2026

Venue: Board Room, Arvind Gavali College of Engineering, Satara

Members Present

Sr. No.	Name	Category	Position
1	Dr. Sharad Mulik Director, AGCE	Ex – Officio	Chairman
2	Dr. Vishal Hingmire Dean Academics, AGCE	Ex – Officio	Member Secretary
3	Dr. Sachin Kulkarni Dean Academics (DBATU), AGCE	Ex – Officio	Member
4	Dr. H. N. Warhatkar HOD, Mechanical Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere	University Nominee	Member
5	Dr. S. L. Nalbalwar HOD, Electronics and Telecommunication Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere	University Nominee	Member
6	Dr. Suhas Deshmukh Director · National Council for Vocational Education and Training (NCVET), MSDE, Government of India	GB Nominee	Member
7	Dr. Bharatkumar Ahuja Vice Chancellor, JSPM University in Pune, India	GB Nominee	Member
8	Dr. Parikshit Mahalle Dean Research and Development, Professor, Department of AI & DS, VIT, Pune, India	GB Nominee	Member
9	Dr. N C Shivaprakash Professor, Department of Instrumentation and Applied Physics Indian Institute of Science, Bangalore	GB Nominee	Member
10	Dr. Shashikant Lokhande Principal, Sinhgad College of Engineering Vadgaon, Pune	GB Nominee	Member
11	Dr. Vaibhav V. Dixit Principal, RMDSTIC, Pune & Academic Council & BOS Chairman, SPPU, Pune	GB Nominee	Member
12	Dr. Abhishek Patange Data Science and AI Specialist ABB Global Industries and Services Private Limited, Bangalore	GB Nominee	Member
13	Dr. Kiran Bhole Dean (R&D) · Sardar Patel College of Engineering (SPCE), Mumbai	GB Nominee	Member
14	Dr. Madan Mali Professor of Electronics and Telecommunication, SCOE, Savitribai Phule Pune University	GB Nominee	Member
15	Dr. Kailas Karande Principal · SKN SINHGAD COLLEG OF ENGINEERING, KORTI, PANDHARPUR	GB Nominee	Member

16	Dr. Sanjeev J. Wagh Professor & Head, Information Technology, Government College of Engineering, Karad	GB Nominee	Member
17	Dr. Manik Gaikwad Professor & Principal at Sinhgad Institute of Technology, Lonavala, India	GB Nominee	Member
18	Dr. Tushar Shende PG/PhD Convener, AGCE	Director's Nominee	Member
19	Dr. Gayatri Mirajkar Dean R & D, AGCE	Director's Nominee	Member
20	Dr. Sagar Gorad COE, AGCE	Ex – Officio	Member
21	Mr. Nitin Kanse Registrar, AGCE	Director's Nominee	Member
22	Dr. Chandrashekhar Shinde HoD, Computer Science Engineering, AGCE HoD, AI & DS, AGCE	Ex – Officio	Member
23	Dr. Deepali Shinde HoD, Electrical Engineering, AGCE	Ex – Officio	Member
24	Mr. Suraj Ghadage HoD Mechanical (Heat Power Engineering), AGCE	Ex – Officio	Member
25	Mr. Ankur Kamble HoD Mechanical Engineering, AGCE	Ex – Officio	Member
26	Mr. Pranav Pathak HoD, Electronics & Computer Engineering, AGCE	Ex – Officio	Member
27	Mr. Suraj Ghadage HoD B.Voc.(Industrial Automation & Industrial Tool Manufacturing), AGCE	Ex – Officio	Member
28	Dr. Avinash Khadtare HoD, Core Science & Engineering, AGCE	Ex – Officio	Member
29	Mr. Dayanand Jagtap HoD, Electronics & Telecommunication Engineering, AGCE	Ex – Officio	Member
30	Ms. Pradnya Salunkhe HoD, B.Voc.(Software Development & Data Science), AGCE	Ex – Officio	Member
31	Mrs. Tejashree Jadhav HoD, MCA, AGCE	Ex – Officio	Member
32	Mrs. Komal Sonawane HoD, BCA, AGCE	Ex – Officio	Member

Agenda-wise Discussion & Suggestions

1. Introduction to Samarth Education Trust and AGCE, Satara

2. Welcome Address & Opening Remarks– Chairman, Academic Council

Ms. Nilophar Khan presented an overview of Samarth Educational Trust and Arvind Gavali College of Engineering (AGCE), Satara, covering the growth of the Trust, the vision and mission of the institute, academic programmes, achievements, recognitions, and accreditations. She also introduced the distinguished members of the Academic Council and highlighted the institute's academic progress, governance, and commitment towards excellence and innovation.

The meeting commenced with a warm welcome by **Dr. Sharad Mulik, Chairman of the Academic Council**. He welcomed all the esteemed members of the Academic Council and highlighted the institute's continuous efforts under the guidance of Samarth Educational Trust towards academic excellence, quality improvement, and overall institutional development.

3. Confirmation of Minutes - Third Academic Council Meeting

Dr. Vishal Hingmire presented

- Briefed the members on the **action taken on the key resolutions and suggestions** of the previous meeting.
- Highlighted the **implementation of revised academic regulations, semester pattern, and Semester II curriculum** across all programmes.
- Informed the Council about the **incorporation of expert suggestions in curriculum planning** and effective conduct of academic activities as per the Academic Calendar.
- Presented the **examination reforms and quality enhancement measures**, including ERP-based processes and continuous monitoring through IQAC.

4. . Review of Second Semester Academics under Autonomy

Dr. Vishal Hingmire presented

- the review of Second Semester academic activities conducted under autonomous status.
- The Council was apprised of the academic initiatives undertaken during the semester, including workshops, guest lectures, remedial lectures, and project-based learning activities.
- Student development activities such as certification courses, internships, community service, co-curricular events, sports, and Parent–Teacher Meet were also highlighted.
- The implementation of Continuous Assessment–I and II under the autonomous evaluation framework was presented.
- The result analysis of UG, PG, BCA, MCA, and B.Voc. programmes was placed before the Council for review.
- Faculty development, research, and innovation-related activities conducted during the semester were also presented.

5. Presentation & Approval of Curriculum – First Year B.Tech and Second Year all Programs

Dr. Vishal Hingmire presented

- the curriculum structure for First Year B.Tech and Second Year of all programmes for A.Y. 2026–27.
- The revised curriculum approved in the respective Board of Studies meetings was placed before the Council for consideration.
- The proposed First Year B.Tech curriculum structure for Semester I and Semester II, along with course-wise revisions, was presented.
- The curriculum framework for Second Year B.Tech programmes, including credit distribution and course structure as per NEP 2020 guidelines, was also explained.
- The provisions for Open Electives, Multidisciplinary Minor, Honors Degree, and Emerging Minor Degree were presented as part of the revised curriculum structure. The Academic Council reviewed the proposed curriculum and accorded its approval.

Suggestion Given by Academic Council Members

I. Proposed Credit Distribution

Dr B. B. Ahuja and N.C. Shivprakash Recommended

- **Standardizing the total credit requirement of all B.Tech. programmes at 166 credits**, wherever feasible, for uniformity across programmes.

Dr B. B. Ahuja suggested

- **Reviewing programmes with excess or lower credits** and making appropriate adjustments so that the credit structure is rationalized during the initial years of autonomy.
- Ensuring that **Programme Core, Basic Science, Engineering Science, and related foundational course categories collectively constitute at least 50% of the total programme credits**, in alignment with NEP expectations.
- Treating these core and foundational categories as an integral part of the **main programme curriculum structure**.
- Carrying out only **minor modifications / slight tweaking** in the existing framework, as the present structure is broadly appropriate and largely aligned with the required academic norms.
- **Standardizing project credits across all B.Tech. programmes** to ensure uniformity in academic workload and evaluation.
- **Keeping Programme Elective credits uniform across all programmes**, so that students do not face credit mismatches in case of migration / branch transfer after the First Year.
- Reviewing the current curriculum structure and making **minor adjustments** wherever required to align elective and project credits across programmes.
- Clearly defining the **number of courses and structure of the Multidisciplinary Minor (MDM)** in the detailed curriculum presentation.
- Maintaining a clear distinction between: **MDM credits as part of the 166-credit programme structure**, and **Minor degree credits as an additional academic component over and above 166 credits**, wherever applicable.

II. Open Elective

Dr B. B. Ahuja suggested

- Reviewing the **credit structure of elective / theory courses** and, wherever feasible, bringing greater **uniformity in credits and examination pattern** across such courses.
- Introducing **Open Elective courses in Economics, Financial Management, and Business Laws** for engineering students.
- Replacing the proposed **Patent Law** course with a broader **Business Laws** course, if considered appropriate.
- Deciding the **semester of offering** of such electives in a manner that aligns with curriculum balance and student workload.
- Using such electives to provide students with **interdisciplinary knowledge beyond core engineering**, thereby supporting employability, management orientation, and industry readiness.

Dr. N.C. Shivaprakash suggested

- Clearly distinguishing between:
- **MDM / first minor** as part of the **166-credit programme structure**, and
- **Emerging minor** as an **additional component over and above 166 credits**.
- Replacing a **single compulsory course model** with a **basket-based flexible choice model** for minor / elective offerings.
- Designing **multiple interdisciplinary baskets** (for example, 3–5 baskets) containing courses from areas such as **Data Analytics, Business Analytics, Intellectual Property, Healthcare / Digital Health, Pharmacy-related innovation, and other emerging fields**.
- Utilizing faculty expertise from **Engineering, Management, Pharmacy, and allied disciplines** while designing such baskets.
- Strengthening the curriculum by offering students **greater flexibility, interdisciplinary choice, and exposure to emerging digital innovation domains**

Dr. Parikihit Mahalle recommended

- Designing **Institute-level Open Electives as linked / progressive baskets** across **Semester III to Semester V**, so that students can build a structured skill pathway and progressively strengthen their expertise in a chosen domain.
- Creating **certificate-oriented elective baskets / pathways**, where completion of a sequence of related electives can provide students with a clearly identifiable skill set.
- Adopting a **separate and flexible assessment scheme for Open Electives**, especially for interdisciplinary / non-engineering courses, rather than strictly following the same evaluation pattern as Programme Core and Programme Elective courses.
- Including **projects, activities, assignments, presentations, and experiential learning components** in the assessment of Open Electives to make them more student-centric, application-oriented, and skill-focused.

Dr. N.L. Nalbalwar suggested

- Introducing **Quantum Technology / Quantum Computing / Quantum Physics fundamentals** in the curriculum, either as a mandatory component, an elective, or as part of the Physics / related course structure.
- Reviewing the existing **Physics and allied foundational courses** to explore the inclusion of **quantum-related content**, either fully or in a blended form with classical topics.
- Making **Artificial Intelligence** a **mandatory foundational course** for students, wherever appropriate.

- Directing each department / course coordinator to identify and incorporate **AI-related theory components, practical activities, case studies, or applications** within their respective courses, wherever feasible.
- Strengthening the practical orientation of courses by including **AI-enabled practicals, assignments, projects, and application-based learning activities** relevant to the subject domain.
- Continuing curriculum modernization efforts to ensure that students receive exposure to **emerging technologies of high future relevance**, particularly **AI and Quantum Technology**.

Dr. N.C Shivaprakash suggested

- The Council suggested exploring the introduction of a **Minor in Quantum Computing / Quantum Technology**, in view of its high future potential and relevance as a next-generation computing paradigm. It was observed that students should be exposed at least to the **fundamentals of Quantum Computing** at the undergraduate level.
- making **AI exposure compulsory across disciplines**.
- integrating **AI-based applications in practicals and course delivery**.
- introducing **Quantum Computing fundamentals / minor programmes**.
- adopting relevant **AICTE minor-major baskets** in emerging areas for future-ready education.

Dr. Kailash Karande recommended

- strengthening the structure of **Engineering Practices / practical-oriented courses** so that they align with related subject domains and contribute to interdisciplinary learning.
- ensuring that **revised and modernized content** is reflected not only in syllabus documents but also in **practical implementation and student activities**.
- designing courses in a way that they provide **current knowledge, practical exposure, and real engineering experience** to students.

Dr. S.L. Nalbalwar suggested

- The Academic Council may consider introducing a **Minor in Financial Management / FinTech / Finance-related areas** by incorporating a basket of finance-oriented courses, thereby enabling students to develop interdisciplinary knowledge aligned with future industry requirements.

Dr. B. B. Ahuja and Dr. N.C. Shivaprakash recommended

- Revising the credit structure of Minor programmes to align with the **Government of Maharashtra NEP guideline requirement of 18–20 credits**.
- Ensuring that the Minor credits are properly mapped within the **overall 166-credit programme structure**, as applicable.
- Defining **multidisciplinary minors** as baskets of courses offered by departments other than the student's parent department, thereby promoting interdisciplinary learning.
- Clearly distinguishing the structure and credit treatment of **Minor / Honors pathways** in the curriculum framework for better academic clarity and compliance.

Dr. B. B. Ahuja suggested

- Designing **multidisciplinary minor baskets** in a more targeted and curated manner so that students gain relevant interdisciplinary exposure rather than only broad cross-departmental choices.
- Ensuring that courses offered under such minors are aligned with **emerging technology areas** and are relevant to the student's parent discipline as well as to industry requirements.

- Encouraging Computer Science and allied students to opt for selected courses from Electronics / Electrical / Mechanical domains such as **Sensors and Automation, IoT, Wireless Communication, and Smart Materials** where appropriate.
- Reviewing the current basket structure to ensure that the available options under multidisciplinary minors are **purposefully customized, academically coherent, and outcome-oriented**.
- Structuring all **multidisciplinary minor programmes** in such a way that they are completed **by the end of the Sixth Semester**, particularly in view of students opting for the **Apprenticeship Embedded Degree Programme** in the Seventh and Eighth Semesters.
- Designing multidisciplinary minor courses to be **predominantly laboratory-oriented / hands-on**, rather than purely theory-based.
- Strengthening laboratory infrastructure and practical components for courses under multidisciplinary minors, especially in areas such as **Sensors and Automation, Wireless Communication, IoT, and related emerging domains**.

III. Multi - Disciplinary Minor

Dr. N.C. Shivaprakash recommended

- Incorporating an **integrated course design model**, wherever feasible, such as **1 credit of theory + 2 credits of laboratory / practical work**.

Dr. Sanjeev Wagh suggested

- Reviewing the **semester-wise sequencing of courses** in the **AIDS and Computer Science programmes** to ensure logical academic progression.
- Introducing **Fundamentals of Artificial Intelligence** at an earlier stage in the **AIDS curriculum** so that students receive domain exposure before taking advanced courses such as **Statistics, Data Analytics, and Machine Learning**.
- Reordering courses in the **Computer Science programme**, wherever necessary, so that **Object-Oriented Programming precedes Data Structures** and supports a stronger conceptual foundation.
- Revising the curriculum structure to ensure that all courses are arranged in a **pedagogically coherent and progressive sequence**.

Dr. N.C. Shivaprakash recommended

- revising the Minor credit structure, wherever required, to ensure alignment with the **recommended 18–20 credit framework**.
- incorporating the suggestions made during the discussion while finalizing the curriculum.
- designing Minor courses in an **integrated theory + practical / laboratory mode** so that students receive both conceptual and hands-on learning experience.

IV. Honor Degree & Emerging Minor Degree

Dr. N.C. Shivaprakash recommended

- prescribing a **“no backlog” condition** for students pursuing the Honors programme at the time of programme completion.
- reviewing and, if required, **revising the minimum CGPA eligibility criterion** for Honors admission beyond the presently proposed **7.5 CGPA**.
- clearly defining all **eligibility and continuation conditions** for the Honors programme in the academic regulations / curriculum framework.

Dr B.B Ahuja suggested

- strengthening the curriculum with a greater emphasis on **core branch fundamentals, skill development, and employability**
- introducing / enhancing **hands-on, practice-oriented, and application-based learning components** across courses.
- developing mechanisms for **skill-oriented courses or embedded practical learning within existing subjects**.
- reviewing the Honors and curriculum structure in a way that supports both **academic progression and improved industry readiness** of students.

- i. **Dr. Samina Mulla presented** the course structure of the B.Tech - Artificial Intelligence & Data Science in the Academic Council.

Dr. Sanjeev Wagh suggested positioning **DBMS** in **Semester III** and **Computer Networks** in **Semester IV** to ensure a progressive learning sequence from data management to networking concepts.

- ii. **Dr. Avinash Khadtare presented** the course structure of the B.Tech - Mechanical Engineering in the Academic Council.

Dr Suhas Deshmukh suggested that **Mechanical System and Mechatronics** should preferably be retained as separate subjects, as they have distinct academic focus.

- iii. **Dr. Chandrashekhar Shinde presented** the course structure of the B.Tech - Computer Science & Engineering in the Academic Council. – **Approved.**
- iv. **Mr Pranav Pathak presented** the course structure of the B.Tech - Electronics & Computer Science Engineering in the Academic Council. – **Approved.**
- v. **Mr Dayanand Jagtap presented** the course structure of the B.Tech - Electronics & Telecommunication Engineering in the Academic Council. – **Approved**
- vi. **Dr Deepali Shinde presented** the course structure of the B.Tech - Electrical Engineering in the Academic Council. – **Approved**
- vii. **Dr Gayatri Mirajkar presented** the course structure of the M.Tech - Electronics & Computer Science Engineering in the Academic Council. – **Approved.**
- viii. **Mr Ankur Kamble presented** the course structure of the M.Tech - Mechanical Engineering (Design) in the Academic Council. - **Approved**
- ix. **Mrs. Reshma Lohar presented** the course structure of the M.Tech - Computer Science & Engineering in the Academic Council. – **Approved.**

Dr B.B Ahuja suggested to rename the course by replacing "**Mini Project Seminar**" with "**Mini Project**".

- x. **Ms. Tejashri Jadhav presented** the course structure of the MCA in the Academic Council. – **Approved.**
- xi. **Dr. Sachin Kulkarni presented** the course structure of the BCA in the Academic Council. – **Approved.**
- xii. **Mr. Suraj Ghadge presented** the course structure of the B.VoC – Data Science & ITM in the Academic Council. – **Approved.**

Dr B.B Ahuja suggested to redesign the **B.Voc. curriculum** with reduced theory content and greater emphasis on laboratory work, hands-on learning, and industry-based training, while also strengthening English communication, soft skills, and personality development components to enhance its vocational focus and improve students' employability.

6. Presentation & Approval of Semester I & II Academic Calendar

A.Y. 2026-27

Dr. Vishal Hingmire presented the proposed curriculum structure for First Year B.Tech and Second Year of all programmes for A.Y. 2026–27. The schedule for commencement of classes, Continuous Assessments (CA-I & CA-II), Mid-Semester Examinations, Practical Examinations, End Semester Examinations, and commencement of the subsequent semester was explained.

7. Examination Regulations

Dr. Sagar Gorad presented the proposed Examination Regulations under the autonomous system. The adherence to the examination calendar, absorption policy for students into autonomous programmes, and course equivalence framework were explained. The provisions related to multiple entry–exit, MOOC/NPTEL credit transfer policy, revised scheme of assessment, and revised PRN pattern were presented before the Council.

8. Any Other Matter with Permission of the Chair

9. Concluding Remarks & Vote of Thanks

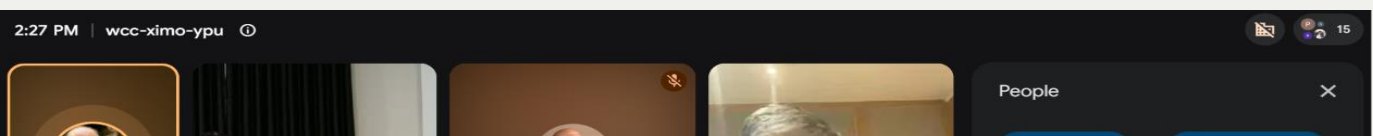
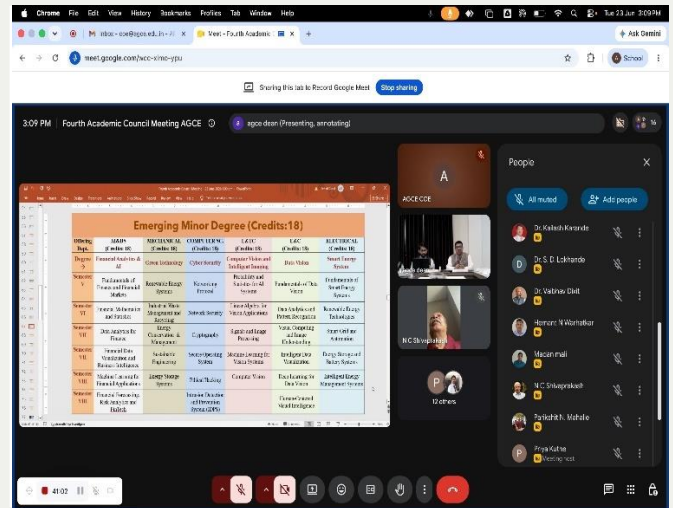
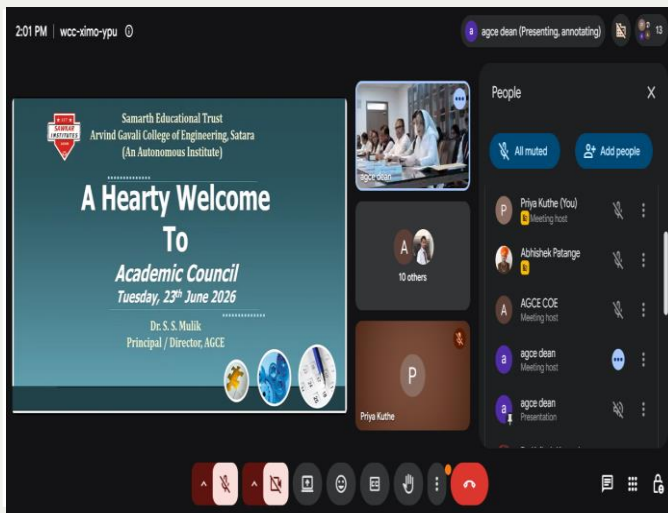
Concluding Remarks and **Vote of Thanks** was given by **Mr. Vaibhav Raut**, expressing gratitude to the Chairperson, Council Members, and all contributors for their valuable insights and commitment to academic excellence.

--sd--
Dean Academics
(Autonomy)

--sd--
Principal/Director
(AGCE)

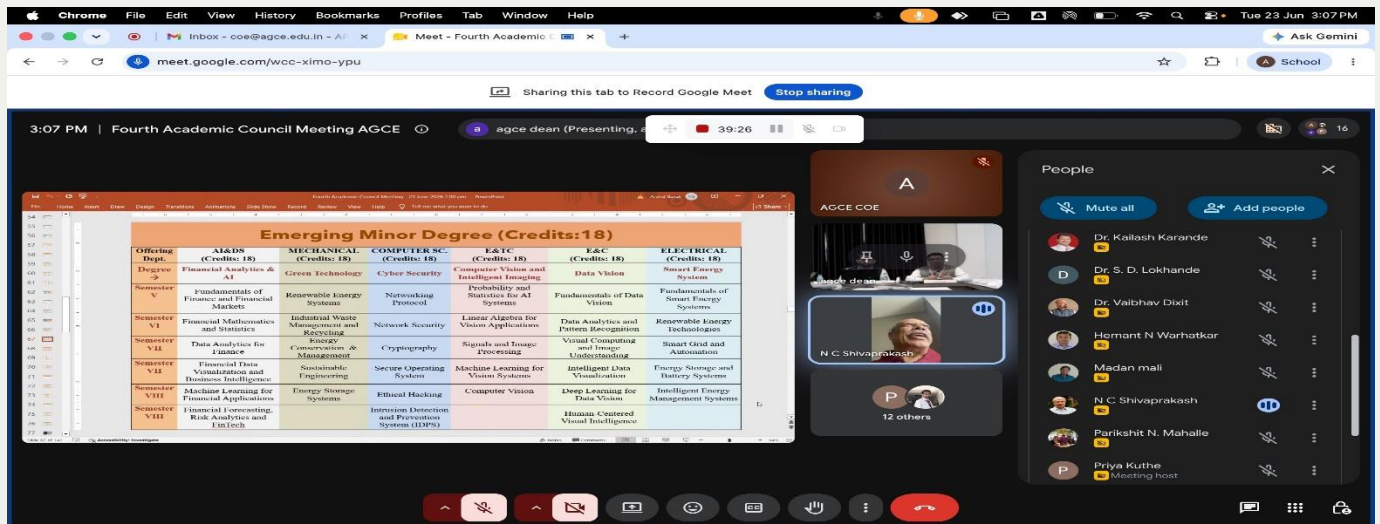
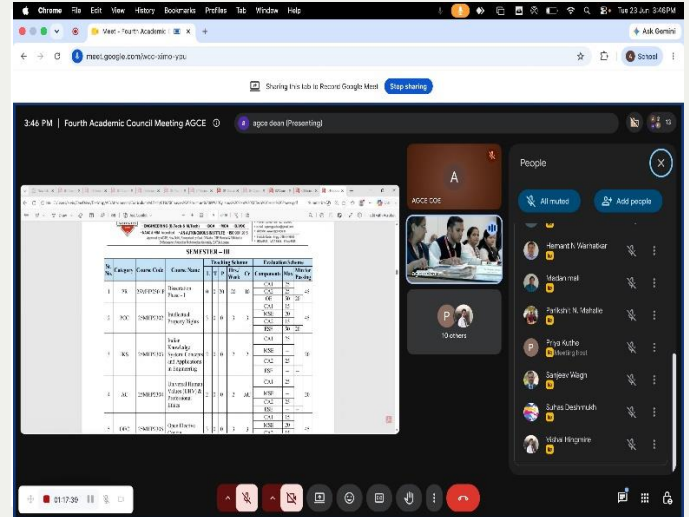
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ACADEMIC COUNCIL MEETING

AGCE, SATARA
TUESDAY, 23TH JUNE 2026



2:38 PM | Fourth Academic Council Meeting AGCE

agce dean (Presenting)

People: 10 others

OPEN ELECTIVE COURSES for B.Tech All Programs (CREDIT - 08)

Instructions for Open Elective (OE) Courses

1. Students may opt to complete an approved equivalent course offered through the NPTEL platform in lieu of the prescribed Open Elective (OE) course.
2. The Institute/Department shall notify the list of approved equivalent NPTEL courses for each Open Elective at the beginning of the respective semester.
3. The selection of the NPTEL course shall be made strictly as per the recommendations of the Board of Studies (BoS).

Semester - III (Credits: 2)

Sl. No.	Course Name	Course Code
1.	Engineering with Health and Technology	25042101
2.	Basic in Engineering Fundamentals	25042102
3.	Introduction to Systems Engineering	25042103

Semester - IV (Credits: 2)

Sl. No.	Course Name	Course Code
1.	Business Communication	25052101
2.	Engineering Skill Development	25052102
3.	Business Fundamentals for Engineers	25052103

3:26 PM | Fourth Academic Council Meeting AGCE

agce dean (Presenting, annotating)

People: 10 others

DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

AGCE DEAN

AGCE COE

Dr. B.B. Ahuja

Parikshit N. Mahalle

Suhas Deshmukh

6 others



4:17 PM | Fourth Academic Council Meeting AGCE

agce dean (Presenting)

People: 10

AGCE DEAN

AGCE COE

Dr. B.B. Ahuja

Dr. Kailash Karande

Parikshit N. Mahalle

6 others