



SAMARTH EDUCATIONAL TRUST

ARVIND GAVALI COLLEGE OF ENGINEERING

• ENGINEERING (B.Tech & M.Tech) • BCA • MCA • B.VOC

• NAAC & NBA Accredited • AN AUTONOMOUS INSTITUTE • ISO 9001:2015

Approved by AICTE, New Delhi, Recognised by Govt. Of Maha., DTE Mumbai & Affiliated to Dr. Babasaheb Ambedkar Technological University (BATU), Lonere.

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• Institute Code : Engg. DTE EN-6545

• BCA 6545, MCA 6545, B.Voc 6545

22. Innovation Cell/ Club Report

Academic Year: 2025–26

1. Introduction

Students' Clubs play a vital role in holistic development of students by providing technical exposure, leadership skills, creativity, social responsibility and professional ethics. As per AICTE guidelines, the institute ensures that each club conducts a minimum of two (02) activities per semester, aligned with the objectives of the respective club.

This report presents separate information of each club, faculty coordinators and conducted activities.

2. General Information

- All student clubs are formally constituted for A.Y. 2025–26.
- Each club is assigned qualified faculty coordinators.
- Minimum two activities per semester per club are planned and executed.
- Activities focus on technical skill development, innovation, social awareness, wellness and employability.
- Proper records such as attendance, reports, photographs and outcomes are maintained.

3. Club-wise Detailed Information

3.1 Robotics and Automation Club



Faculty Coordinator: Dr. D. S. Shinde, Associate Professor & HoD (Electrical Engineering)

Objectives:

Promote hands-on learning in robotics and automation- Guest Lecture
Encourage interdisciplinary project development

Activities (Minimum 2 per Semester):

Guest Lecture on Arduino / Embedded Systems
Robotics Project Demonstration & Competition

3.2 Cloud Computing Club



Faculty Coordinator: Mr. Vijay Gujar, Assistant Professor (Computer Science)

Objectives:

- Enhance knowledge of cloud platforms and services
- Prepare students for industry-relevant certifications

Activities:

- Seminar on Cloud Platforms (AWS/Azure/GCP)
- Hands-on Lab Session on Cloud Deployment

3.3 AI-DS Club



Faculty Coordinators:

- Dr. Samina Mulla, Associate Professor & HoD (AI-DS)
- Ms. Tanmay Pawar, Assistant Professor (AI-DS)

Objectives:

- Develop analytical and AI-based problem-solving skills
- Encourage data-driven research

Activities:

- Workshop on Machine Learning / Data Analytics Tools
- Mini Hackathon on AI Applications

3.4 Yoga Club



Faculty Coordinator: Ms. D. S. Gaikwad, Assistant Professor (E&TC)

Objectives:

- Improve physical and mental well-being of students
- Promote stress management and healthy lifestyle

Activities:

- Regular Yoga & Meditation Sessions
- Yoga Awareness Program on International Yoga Day



3.5 Foreign Language Club

Faculty Coordinators:

- Mr. A. A. Kale, Assistant Professor (Core Science)
- Mr. Mandar Naphad, Lab Assistant (Computer Science)

Objectives:

- Enhance communication skills in foreign languages
- Improve global employability

Activities:

- Introductory Course on Foreign Language (German/Japanese/French)
- Language Proficiency & Cultural Awareness Session

3.6 3-D Printing Club



Faculty Coordinator: Mrs. Manisha Alatkhar, Assistant Professor (Mechanical Engineering)

Objectives:

- Introduce additive manufacturing concepts
- Encourage design thinking and prototyping

Activities:

- Workshop on 3D Modeling & Printing
- Live Demonstration of 3D Printing Applications

3.7 Competitive Exam Club



Faculty Coordinators:

- Ms. Neha Shinde, Assistant Professor (Core Science)
- Ms. Rutuja Barge, Assistant Professor (Core Science)

Objectives:

- Prepare students for GATE, GRE, CAT and other exams
- Improve aptitude and reasoning skills

Activities:

- Competitive Exam Orientation Program
- Aptitude & Reasoning Practice Sessions

3.8 Tarunai Club



Faculty Coordinator: Ms. Sanskruti Nalawade

Objectives:

- Encourage cultural, social and leadership activities
- Develop teamwork and community engagement

Activities:

- Cultural Event / Youth Awareness Program
- Social Responsibility Activity

3.9 Electro Literacy Club



Faculty Coordinator: Mr. Suhas Patil, Assistant Professor & Dean Academics (Mechanical Engineering)

Objectives:

- Create awareness about electrical safety and energy usage
- Promote basic electrical literacy

Activities:

- Electrical Safety Awareness Program
- Energy Conservation Awareness Drive

3.10 Photography Club



Faculty Coordinator: Mrs. Manisha Alatkhar, Assistant Professor (Mechanical Engineering)

Objectives:

- Develop creative and visual communication skills
- Promote documentation of institutional activities

Activities:

- Workshop on Basics of Photography
- Photography Competition / Exhibition

3.11 Digital Media Club



Faculty Coordinator: Dr. M. M. More, Associate Professor (Core Science)

Objectives:

- Promote digital content creation skills
- Enhance institutional digital presence

Activities:

- Workshop on Video Editing & Content Creation
- Social Media Management Awareness Session

3.12 Geotechnical Club



Faculty Coordinator: Mr. R. A. Katkar, Assistant Professor (Civil Engineering)

Objectives:

- Strengthen foundation engineering concepts
- Bridge theory with field applications

Activities:

- Expert Talk on Geotechnical Engineering Practices
- Site Visit / Case Study Discussion

3.13 Green Energy Club



Faculty Coordinator: Ms. Pooja Chavan, Assistant Professor (Core Science)

Objectives:

- Promote renewable and sustainable energy awareness
- Encourage eco-friendly practices
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Activities:

- Seminar on Renewable Energy Technologies
- Tree Plantation / Environmental Awareness Program

Below table highlights club activities, outcomes and mapping with Program Outcomes (POs) and Program Specific Outcomes (PSOs) as per Outcome Based Education.

Club Name	Sample Activities (Min. 2 / Semester)	Outcomes Achieved	PO/PSO Mapping
Robotics & Automation	Robotics Workshop, Project Competition	Hands-on skills, inter	PO1, PO2, PO3, PSO1
Cloud Computing	Cloud Seminar, Deployment Lab	Industry readiness, tool usage	PO1, PO5, PO12
AI-DS Club	ML Workshop, Guest Lecture	Analytical thinking, innovation	PO1, PO2, PO4, PSO2
Yoga Club	Yoga Sessions, Awareness Program	Health, stress management	PO8, PO9
Foreign Language Club	Language Training, Cultural Session	Communication skills	PO10, PO11
3-D Printing Club	Workshop, Printing Demo	Design thinking, prototyping	PO3, PO5, PSO1
Competitive Exam Club	Exam Orientation, Aptitude Practice	Career readiness	PO10, PO12
Tarunai Club	Cultural Event, Social Drive	Leadership, teamwork	PO9, PO11
Electro Literacy Club	Election Safety Program, Quiz Competition	Social responsibility	PO6, PO7, PO8
Photography Club	Photography Workshop, Exhibition	Creativity, documentation	PO10, PO11
Digital Media Club	Content Creation, Media Workshop	Digital literacy	PO5, PO10
Geotechnical Club	Expert Talk, Site Study	Practical exposure	PO1, PO4, PSO2
Green Energy Club	Energy Audit Competition, Plantation	Sustainability awareness	PO6, PO7

4. Conclusion

The institute ensures active functioning of all student clubs in line with AICTE guidelines. Each club conducts minimum two activities per semester, contributing to students' technical competence, creativity, ethics and social responsibility. The structured club system reflects the institute's commitment to outcome-based education and holistic student development.

Activity Glimpses-



Promote hands-on learning in robotics and automation- Guest Lecture by Tushar Inamdar



Seminar-Encouragement in interdisciplinary project development



Expert Lecture -Career in Cloud Computing by Mr. Sharan Jagdish Johijode, Tech Lead, Atos, Pune



Hands on Workshop-Google Cloud Fundamentals: Core Infrastructure by Mr. Abhijit Powar, Head, AWS Security, Pune



Activity on Prompt Engineering



Activity on Code Debugging using Python



Session on Balancing and Flexibility challenge



Regular yoga and Meditation Session



Session on Japanese Language by Janhavi Shinde- JLPT N3 completed



Activity on Japanese word pronounces ion



Workshop on 3D Printing Techniques



Session on 3D Modelling and Printing



Session on Cracking Techniques of Competitive Exam



Reasoning Test Practise Session



Brain Alter Game



Mandala Art Indian Culture drawing competition



Voter Registration Camp



Quiz Competition on Election Commission of India



Pho Exhibition- Theme Nature photo



Session on Photo shut Techniques



Session on Graphic Design and Digital Marketing



Session on Creative Logo Design and Branding



Visit to construction Site



Guest lecture on "Practical information of advance surveying and career guidance"



Tree Geo Tagging Activity



Tree Plantation Activity