



# VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665

Approved by AICTE, Recognized by DTE Kerala

Affiliated to the APJ Abdul Kalam Technological University, TVM

Tel No: 0485 - 2259900 / Web : www.visat.ac.in / E-Mail : office@visat.ac.in

## STRATEGIC PLAN

### Strategic Directions

- Enrich Curriculum
- Accreditation
- Industry Institute Interaction, Consultancy and Entrepreneurship activities
- Research and Innovations
- Upgradation of Faculty qualifications and capacity building
- Learning Resources & internet facility
- Campus Infrastructure
- Social Responsibilities and Green Initiatives



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## 1. Enrich Curriculum

2021-2023

- a) Define course objectives and distinct outcomes for all courses within a year.
- b) Implement Outcome Based Learning (OBL) strategies.
- c) Improve curriculum delivery by incorporating cocurricular activities, such as industrial visits, technical talks, internships, industry projects, and hands-on experimental learning.
- d) Provide Add-on courses.
- e) Promote diversity within the students to create a more dynamic and comprehensive learning atmosphere through conducting activities.

2023-2026

- a) Focused on career development to prepare students for GATE and various competitive exams.
- b) Implement skill development initiatives in advanced technological domains for both students and faculty.
- c) Enhance engagement in doctoral student research.
- d) Foster student and faculty exchange programs, promoting dual-degree opportunities and collaborative research within the institution.



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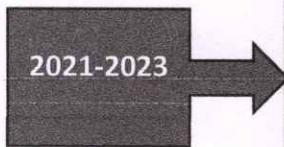
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## 2. Accreditation



## 3. Industry Institute Interaction, Consultancy and Entrepreneurship Activities



2021-2023

- Enhance collaborations with industry in terms of consultancy, sponsored research projects and technology transfer.
- Foster innovation driven entrepreneurship among the faculty and students through mentoring and training.
- Develop Intellectual Property Rights (IPR) cell in association with Kerala State Council for Science, Technology & Environment (KSCSTE) and Patent information centre government of Kerala.
- Set up an Institution Innovation council (IIC) as per the norms of MHRD's innovation cell in the 2019-20 academic year.
- Provide internship for all students.



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2023-2026

- a) Establish productive partnership between industry/ reputed organizations/ academic institutes for consultancy and internships through MoUs.
- b) Form an Innovation room to explore and implement the innovative ideas.
- c) Internships to all students for minimum 6 months duration.
- d) Obtain more consultancy work from government and non-government agencies.
- e) Establish Startups, incubation centres etc.

## 4. Research and Innovations

2021-2023

- a) All the faculty to participate in research activities on and off campus
- b) Receive research funding proposals from government or non-government organizations.
- c) Organise national and international Conferences to provide a platform for research scholars to meet, networking and knowledge sharing.
- d) Provide Incentives for staff members those who are publishing articles in Scopus indexed/ SCI journal.
- e) Establish research centres, IEEE student chapters and robotics labs etc.
- f) Publishing of papers and patents.



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2023-2026

- a) Start Internet of Things (IOT) Research lab
- b) Setting up Water quality testing lab.
- c) Developing the sponsored research through minor research proposals.
- d) Purchase of Plagiarism software's and purchasing of journals to ensure the quality research publications.
- e) Registration of alumni association.
- f) Start Robotics Lab.

## 5. Upgradation of Faculty qualifications and capacity building


2021-2023

- a) Encourage and support faculty members to complete their higher studies.
- b) Conducting the FDPs.
- c) Participation in conferences.
- d) Paper publishing in Scopus, sci, ieee etc.
- e) Conducting MOOC courses.

2023-2026

- a) Providing financial support to membership in various professional bodies related to their specialisation
- b) Motivate and support faculty members towards participation in NPTEL and Swayam courses and to get training through MOOCs.



  
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## 6. Learning Resources & Internet facility

2021-2023

- a) Implement web-based e-learning centre.
- b) Extend the number of technical and management books, journals and e-journals to strengthen the Institute library.
- c) Provide online research databases for students.

2023-2026

- a) Enhance laboratory facilities to meet the research and consultancy requirements.
- b) Improve institute infrastructure to accommodate development in research and technology.

## 7. Campus Infrastructure

2021-2023

- a) Improve the campus ambience through proper beautification and maintaining greenery.
- b) Develop Zero waste campus and energy efficient systems.
- c) Increase the waste disposal and treatment facilities.
- d) Construction of Hostel building, new reception area.
- e) Establish facilities for e-waste collection and plastic shredding unit.
- f) Maintain the existing infrastructure meeting the standards of safety and cleanliness

2023-2026

- a) Development of lift, playground, solar streetlight, solar panel, and Amphitheatre etc.





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## 8. Social Responsibilities and Green Initiatives

2021-2026

- Faculty and students to effectively participate in various societal activities.
- Conduct social service activities to build the perspective and to create awareness among faculty and students about the needs and issues of the society.
- Organise activities to encourage and facilitate continuation of education to those students from rural areas and weak sections.
- Strengthen on-campus collaborative grant opportunities.
- Carry out community activities to improve the quality of life for the region through outreach activities.
- Intensify the involvement of students in green campus initiatives & waste management.



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