



**UNIVERSAL ENGINEERING COLLEGE**  
Vallivattom P.O., Konathakunnu (Via), Thrissur - 680123

## **Strategic Plan for the Period 2019-2024**

### **Vision:**

"Provide excellent engineering education, imparting skill development and an innovation ecosystem to create engineers that cater to the needs of society with strong ethical values."

### **Mission:**

1. Qualified faculty and intact infrastructure, bestow creative and innovative engineering education.
2. Equip the students with competent and cutting-edge technologies.
3. Mould the students to meet the changing challenges with a global outlook.
4. Inculcate moral and ethical values among students so as to serve the needs of society.

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### **Strategic Goals and Initiatives (2019-2024)**

#### **1. Enhancing Employability and Skill Development**

- **Goal:** Ensure that students are well-prepared for placements and industry demands through skills development and training.
- **Key Actions:**
  - Increase placement-oriented training focusing on both technical and soft skills, with mock interviews and aptitude tests.
  - Organize regular industrial visits, internships, and training programs to give students hands-on experience.
  - Conduct placement-focused training sessions, emphasizing cutting-edge technologies like AI, data science, and robotics.
  - Strengthen partnerships with leading companies for placement opportunities.
  - Introduce more add-on courses and industry certification programs to bridge curriculum gaps.
- **Expected Outcomes:**
  - Improved placement rates and student readiness for the job market.
  - Higher participation in internships and industrial visits.

Approved by AICTE F.No. South-West/2011/1-415343821

Affiliated to University of Calicut No.GA1/D4/7100/2011 & APJ Abdul Kalam Technological University No. KTU/A/593/2015.

Ph: 0480 - 2863777, 2864177, 2860477, Fax:0480 - 2860077, Email: info@uec.ac.in, Web: www.uec.ac.in

- Increased number of students with industry-recognized certifications.
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## 2. Quality Assurance and Institutional Improvement

- **Goal:** Ensure continuous improvement in teaching and learning standards within the constraints of current accreditation scores.
  - **Key Actions:**
    - Implement a faculty performance appraisal system to ensure accountability and focus on teaching quality.
    - Regularly review and update the curriculum based on feedback from students and industry stakeholders.
    - Focus on innovative teaching methodologies and student engagement strategies to enhance learning outcomes.
    - Continue to monitor progress toward existing accreditation standards without necessarily aiming for an improved NAAC score.
  - **Expected Outcomes:**
    - Enhanced teaching methodologies and student engagement.
    - Improved learning outcomes despite current accreditation limitations.
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## 3. Student-Centric Learning and Academic Support

- **Goal:** Ensure the holistic development of students, with a focus on academic performance and practical learning.
  - **Key Actions:**
    - Offer remedial classes and academic support for slow learners to improve overall student outcomes.
    - Implement activity-based learning strategies to make the learning process more interactive and engaging.
    - Focus on project-based learning that integrates real-world problems to give students practical exposure.
    - Increase the number of technical talks, workshops, and webinars to fill curriculum gaps and introduce emerging topics.
  - **Expected Outcomes:**
    - Enhanced student learning outcomes and academic performance.
    - Increased participation in skill-based and project-based learning activities.
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#### 4. Promoting Online Learning and Lifelong Education

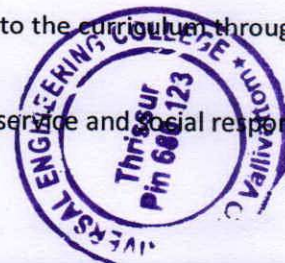
- **Goal:** Encourage lifelong learning among faculty and students to stay up-to-date with the latest technological advancements.
  - **Key Actions:**
    - Promote online certification courses from platforms such as NPTEL, Coursera, and edX among students and faculty.
    - Provide incentives and recognition for those who complete certified online courses.
    - Organize awareness campaigns and seminars to highlight the importance of continuous learning.
  - **Expected Outcomes:**
    - Increase in the number of students and faculty completing online certifications.
    - More faculty members leveraging online platforms for skill development.
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#### 5. Fostering Innovation and Entrepreneurship

- **Goal:** Create a vibrant innovation ecosystem and encourage entrepreneurship among students and alumni.
  - **Key Actions:**
    - Conduct regular events through the IEDC, such as hackathons, entrepreneurship boot camps, and innovation challenges.
    - Provide mentorship, funding, and incubation space to aspiring entrepreneurs.
    - Highlight and promote successful entrepreneurial alumni as role models for current students.
  - **Expected Outcomes:**
    - Growth in the number of student-led startups.
    - Enhanced entrepreneurial culture within the institution.
    - Increased collaboration with alumni entrepreneurs to mentor current students.
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#### 6. Ethical Values and Social Responsibility

- **Goal:** Inculcate strong ethical values and a sense of social responsibility in students.
- **Key Actions:**
  - Integrate ethics and professional responsibility into the curriculum through workshops, guest lectures, and case studies.
  - Encourage students to participate in community service and social responsibility initiatives.





- Partner with NGOs and government bodies to provide opportunities for students to contribute to societal development.
  - **Expected Outcomes:**
    - A well-rounded student body with strong ethical and moral values.
    - Increased student participation in social responsibility programs.
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### Monitoring and Evaluation

- Establish a Strategic Planning and Review Committee to monitor the progress of each goal.
  - Conduct annual evaluations to assess the impact of these initiatives and adjust the strategy based on performance metrics.
  - Collect feedback from students, faculty, industry, and alumni to continuously improve institutional practices and align with evolving needs.
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### Expected Outcomes by 2024:

- **Employability:** Improved placement rates and greater industry readiness among graduates, with a higher percentage of students obtaining certifications and participating in internships.
- **Quality Assurance:** Continued focus on quality improvement in teaching methodologies, leading to better learning outcomes.
- **Student Learning:** Holistic development of students with a focus on academic performance, innovation, and ethical values.
- **Entrepreneurship and Innovation:** Establish a thriving innovation ecosystem, with more startups and entrepreneurial ventures originating from the campus.

This strategic plan focuses on building an ecosystem that fosters academic excellence, skill development, and societal contribution, despite current constraints. The institution will continue to grow and adapt to meet the global challenges while maintaining a commitment to ethics and social responsibility.



  
Dr. Jose K. Jacob  
PRINCIPAL  
UNIVERSAL ENGINEERING COLLEGE  
P.O. VALLIVATTOM, THIRUVALLUR, TAMIL NADU 686123