



Strategic Plan for 2024-2034

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 Mapped Activities (2024-2034)

1. Industry Interaction

Objective: Foster strong collaboration with industries for curriculum relevance, internships, and placements.

- **Mapped to Vision/Mission:**

- Supports the "Equip Students with Competent and Cutting-Edge Technologies" and "Prepare Students for Global Challenges" by aligning academic programs with industry standards.
- Contributes to innovation ecosystem by facilitating real-world applications and problem-solving skills.

- **Short-term Activities (2024-2026):**

- Establish an Industry Interaction Cell to promote joint projects, internships, and industry-driven courses.
- Conduct annual workshops with industry experts to align the curriculum with industry demands.

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- **Long-term Activities (2026-2034):**
 - Sign MOUs with leading industries for collaborative research, faculty training, and student internships by 2028.
 - Achieve 100% internship placement for final-year students by 2030.
 - **Outcomes:**
 - Improved industry relevance of the curriculum.
 - Increased employability and industry engagement for students.
 - Development of a robust innovation-driven curriculum that meets societal needs.
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2. Faculty and Student Empowerment

Objective: Develop faculty and students to become global professionals and leaders in their fields.

- **Mapped to Vision/Mission:**
 - Aligns with the "Deliver Creative and Innovative Engineering Education" by providing continuous professional development opportunities for faculty.
 - Supports the "Mould Students to Meet Global Challenges" by fostering leadership skills and global exposure for students.
 - **Short-term Activities (2024-2026):**
 - Initiate faculty development programs with a focus on innovation in teaching and research.
 - Launch student leadership development programs focusing on communication, ethical responsibility, and problem-solving.
 - **Long-term Activities (2026-2034):**
 - Ensure that at least 30% of faculty have international research or teaching exposure by 2030.
 - Increase student participation in international conferences, exchange programs, and competitions to 70% by 2030.
 - **Outcomes:**
 - Enhanced global exposure and competency of faculty and students.
 - Improvement in teaching quality and leadership skills.
 - Higher employability and adaptability to global challenges.
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3. Innovation Ecosystem



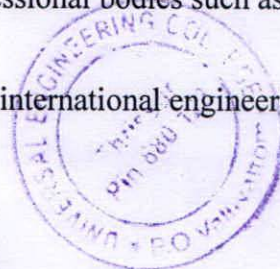
Objective: Foster innovation, entrepreneurship, and research among students and faculty.

- **Mapped to Vision/Mission:**
 - Supports the "Innovation Ecosystem" by creating a conducive environment for research, entrepreneurship, and skill development.
 - Encourages the application of cutting-edge technologies to solve real-world problems, aligning with "Serve the Needs of Society".
 - **Short-term Activities (2024-2026):**
 - Establish an Innovation Hub to support student and faculty startups by 2025.
 - Host annual hackathons to encourage creative problem-solving and innovation.
 - **Long-term Activities (2026-2034):**
 - Provide seed funding for at least 10 startups by 2030 and offer mentoring and networking opportunities.
 - Secure government and industry research grants for innovation-driven research by 2028.
 - **Outcomes:**
 - Growth of a strong culture of innovation and entrepreneurship.
 - Creation of successful student and faculty startups addressing societal challenges.
 - Increased institutional recognition in research and innovation.
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4. Professional Bodies Collaboration

Objective: Increase involvement in national and international professional organizations to stay at the forefront of engineering developments.

- **Mapped to Vision/Mission:**
 - Contributes to "Equip Students with Competent and Cutting-Edge Technologies" by ensuring alignment with global engineering trends.
 - Enhances global outlook through involvement with international professional bodies.
- **Short-term Activities (2024-2026):**
 - Ensure 100% faculty membership in professional bodies such as IEEE, ASME, ISTE.
 - Establish student chapters of national and international engineering societies by 2025.



- **Long-term Activities (2026-2034):**
 - Organize annual conferences in collaboration with professional bodies.
 - Facilitate professional certifications for students to improve their global competitiveness by 2029.
 - **Outcomes:**
 - Enhanced professional development and global exposure for faculty and students.
 - Improved networking opportunities and access to international resources.
 - Greater recognition and standing in professional and academic circles.
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5. Career Guidance and Placement

Objective: Provide career guidance and ensure 100% placement for all students in reputed organizations.

- **Mapped to Vision/Mission:**
 - Supports "Equip Students with Competent and Cutting-Edge Technologies" by connecting them with career opportunities that leverage their skills.
 - Aligns with "Serve the Needs of Society" by ensuring students contribute effectively to industry and the workforce.
 - **Short-term Activities (2024-2026):**
 - Establish a Career Guidance and Placement Cell to offer personalized counseling.
 - Conduct soft skills training and mock interviews for final-year students by 2025.
 - **Long-term Activities (2026-2034):**
 - Achieve 100% placement rate by 2029.
 - Secure global placement opportunities through partnerships with international firms by 2032.
 - **Outcomes:**
 - Higher placement rates and increased employability for graduates.
 - Enhanced industry connections and global career opportunities for students.
 - Increased student satisfaction and institutional reputation.
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6. Research and Development



Objective: Build a strong research culture with national and international collaborations.

- **Mapped to Vision/Mission:**
 - Supports the "Innovation Ecosystem" by encouraging cutting-edge research and collaboration.
 - Aligns with the mission to equip students with the latest technologies and serve societal needs through impactful research.
 - **Short-term Activities (2024-2026):**
 - Establish R&D labs in emerging fields such as AI, renewable energy, and healthcare by 2025.
 - Provide research grants for faculty and student-led projects.
 - **Long-term Activities (2026-2034):**
 - Aim for 30 patents and 50 high-impact publications annually by 2030.
 - Develop collaborative research partnerships with global institutions by 2029.
 - **Outcomes:**
 - Increased research output and global recognition for UEC's innovations.
 - Enhanced student and faculty engagement in interdisciplinary research.
 - Improved contributions to solving societal problems through research.
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7. Alumni Network Expansion

Objective: Leverage the alumni network for mentoring, career guidance, and fundraising.

- **Mapped to Vision/Mission:**
 - Supports "Serve the Needs of Society" by connecting students with experienced alumni for mentorship and guidance.
 - Contributes to global outlook through networking and alumni engagement across the world.
- **Short-term Activities (2024-2026):**
 - Launch an alumni mentorship program by 2025, connecting students with alumni in industry and academia.
 - Organize annual alumni reunions to generate scholarship funding and support infrastructure projects.
- **Long-term Activities (2026-2034):**
 - Establish an endowment fund driven by alumni contributions by 2029.



- Involve alumni in industry-academia projects by 2028.
 - **Outcomes:**
 - Stronger alumni engagement and support for the institution's growth.
 - Increased mentoring and career guidance opportunities for current students.
 - Enhanced fundraising efforts for scholarships and research projects.
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8. Societal Engagement

Objective: Promote social responsibility by engaging in community development projects.

- **Mapped to Vision/Mission:**
 - Aligns with "Serve the Needs of Society" by encouraging students to participate in projects that address societal challenges.
 - Inculcates moral and ethical values by promoting social responsibility among students.
 - **Short-term Activities (2024-2026):**
 - Launch a social responsibility project each year, focusing on rural electrification, digital literacy, or sustainability.
 - Ensure 100% student participation in at least one community service project by 2025.
 - **Long-term Activities (2026-2034):**
 - Establish a Center for Social Innovation by 2028 to support student-led initiatives.
 - Create a sustainable campus initiative recognized for environmental contributions by 2032.
 - **Outcomes:**
 - Increased societal impact through student and faculty engagement in social projects.
 - Development of socially responsible engineers who contribute to community development.
 - Recognition of UEC as a leader in sustainability and social responsibility.
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9. Internal Quality Assurance Cell (IQAC)

Objective: Ensure continuous quality improvement in teaching, learning, research, and institutional governance.



- **Mapped to Vision/Mission:**
 - Aligns with “Vision” and “all Mission” statements.
- **Short-term (2024-2026):**
 - **Leverage NAAC accreditation (B Grade)** earned in 2022 by enhancing continuous improvement efforts across all academic and administrative domains.
 - Support the ongoing **NBA accreditation process**, ensuring full compliance and readiness for a successful outcome by 2025.
 - Achieve **NBA accreditation** for all programs by 2026.
 - Conduct **annual academic audits** to monitor progress and align with national accreditation standards.
 - Implement **feedback mechanisms** from students, faculty, and alumni to improve curriculum and institutional operations.
- **Long-term (2026-2034):**
 - Achieve **NAAC re-accreditation** with a higher grade in 2027 by improving quality standards across departments.
 - Introduce **digital tools** for continuous monitoring and reporting of institutional KPIs, including student learning outcomes and faculty performance by 2028.
 - Regularly conduct **self-assessment exercises** across departments to ensure quality standards are met by 2030.
 - Achieve **autonomous status** by 2030, allowing the institution greater flexibility in curriculum design, governance, and innovation to meet global educational standards.

Monitoring and Evaluation

- **Annual Reviews:** Departments will conduct annual reviews to track progress against the strategic plan.
- **Mid-Term Review (2029):** A thorough review will assess whether UEC is on track to meet its 10-year goals, and adjustments will be made where necessary.
- **Key Performance Indicators (KPIs):**
 - **Placement rates, industry partnerships, faculty development, research output, and student satisfaction** will be tracked annually to ensure progress.

Budget and Resource Allocation



- **2024-2026:** Focus on setting up infrastructure for the **Innovation Hub, Career Guidance Cell, R&D labs, and IQAC.**
- **2026-2030:** Invest in **international collaborations, faculty development, and the alumni engagement program.** Increase revenue growth by diversification and addition of new programs.
- **2030-2034:** Expand efforts into **community engagement, social innovation, and further digital transformation.**

The **Internal Quality Assurance Cell (IQAC)** will ensure continuous improvement in all aspects of education and governance, building on the NAAC accreditation (B Grade) and ongoing NBA accreditation efforts, thereby securing UEC's long-term sustainability and success.



A handwritten signature in green ink, consisting of a large, stylized initial 'J' followed by a surname.

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