NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade. Accredited by NBA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Alumni feedback: AY 2024-2025

1. The alumni appreciated the modern infrastructure and advanced laboratories, emphasizing their significant role in fostering both academic excellence and research innovation aligned with current industry requirements.
2. The alumni commended the Department's holistic soft skills training, including communication, time management, leadership and critical thinking, which have proven essential in their professional growth.
3. The alumni appreciated the institution's growing entrepreneurial ecosystem, highlighting the availability of incubator access, idea lab facilities, startup accelerators, and structured mentorship programs that effectively supported graduates in launching their own ventures.
4. The strength and global reach of the alumni network were highly praised. The alumni suggested enhancing digital engagement platforms and establishing international chapters to facilitate broader career networking and collaborative opportunities.
5. The alumni who participated in international exchange programs, global research collaborations, and internships described these experiences as transformative in shaping their cross-cultural understanding and global employability.

Employer Feedback: 2021 – 2025 Batch

1. Employers recommended increased student involvement in organizing and participating in technical competitions, hackathons, and coding challenges to foster critical thinking, innovation, and collaborative problem-solving abilities.
2. To enhance students' preparedness for the dynamic industry landscape, it was suggested to embed practical mini-projects and curate online technical courses into the curriculum, emphasizing experiential learning of contemporary skills.
3. Employers emphasized the importance of a structured feedback ecosystem, where regular interaction with industry professionals helps in refining academic content and aligning the student competencies with current market needs.
4. Employers highlighted the importance of organizing regular workshops, seminars and TEDx-style events focused on emerging domains including Artificial Intelligence, Machine Learning, Data Science, Cybersecurity, Blockchain, Cloud Computing, and modern open-source technologies to enhance the student's domain knowledge.
5. Employers encouraged the integration of globally recognized certification programs into the academic roadmap, enabling students to earn credible skill-based credentials that boost their employability and career readiness.

Students Feedback: 2021– 2025 Batch

1. Students expressed the need for greater international exposure through structured study abroad programs, global internships, and cultural exchange initiatives aimed at enhancing their global perspectives and cross-cultural understanding.
2. A growing interest was noted among students for the adoption of sustainable campus practices, including recycling programs, energy-efficient infrastructure, and the promotion of environmentally responsible initiatives to foster a green academic environment.
3. Students emphasized the importance of increasing hands-on learning experiences through well-structured lab sessions, interdisciplinary workshops, and real-world projects to strengthen the application of theoretical knowledge.
4. The implementation of virtual laboratories and simulation tools was recommended to facilitate experiential learning in a risk-free, flexible digital environment, especially in areas requiring technical experimentation.
5. Students underscored the importance of promoting undergraduate research by providing access to well-equipped research laboratories, funding support for innovative student-led projects, and opportunities for collaboration with faculty on research publications and patent filings.

Course Coordinators Feedback: AY 2024-2025

1. It was recommended to introduce specialized courses on Blockchain Technology and Cyber Security to prepare students for careers involving secure digital transactions, decentralized systems, ethical hacking, data protection, and network security.
2. Coordinators emphasized the inclusion of Internet of Things (IoT) and 5G Technology to equip students with skills in connected devices, smart infrastructure, and next-generation wireless communication systems.
3. The curriculum was suggested to include Augmented Reality (AR), Virtual Reality (VR), and Deep Learning to foster competencies in immersive technologies and advanced artificial intelligence models applicable in various sectors such as Education, Healthcare, and Automation.
4. It was proposed to integrate Sustainable Computing and Software Testing into the coursework to promote energy-efficient technology practices and to build a solid foundation in test-driven development, quality assurance, and software reliability.
5. Coordinators recommended offering hands-on modules in UI/UX Design, Generative AI, and Full Stack Development to enhance student readiness in user-centered design, intelligent automation, and end-to-end web and application development.

Action plan 2025-2026 based on 2024-2025 Feedback Summary

Based on the Alumni Feedback

- Upgrade and maintain modern infrastructure and advanced laboratories to support academic and research excellence.
- Strengthen soft skills training by enhancing communication, leadership, and critical thinking components.
- Conduct startup competitions and provide access to incubators, idea labs, and mentorship support.
- Expand the alumni network globally by creating international chapters and digital collaboration platforms.
- Develop new academic partnerships to increase opportunities for international exchange programs and global internships.

Based on the Employer Feedback

- Organize regular technical competitions, hackathons, and coding challenges to improve problem-solving and innovation.
- Integrate mini-projects and industry-relevant online technical courses into the curriculum to enhance practical skills.
- Establish a structured industry feedback system to align academic content with market requirements.
- Invite industry professionals and alumni to various expert talks on current trends and emerging technologies.
- Embed globally recognized certification programs into the academic structure to boost employability.

Based on the Student Feedback

- Establish collaborations with international universities for studying with global internship opportunities.
- Launch sustainability initiatives including energy-efficient infrastructure and campus-wide eco-awareness campaigns.
- Increase practical exposure through enhanced lab sessions, workshops, and interdisciplinary projects.
- Implement virtual labs and simulation tools to support flexible and hands-on digital learning.
- Promote undergraduate research through faculty mentorship, project funding, and support for publications and patents.

Based on the Course Coordinator Feedback

- To introduce courses on Blockchain, Cybersecurity, and Smart Contracts for secure digital systems and data protection.
- Incorporate IoT, Edge Computing, and 5G Technologies into the curriculum for smart infrastructure development.
- Include AR/VR, Metaverse, and Deep Learning courses to foster skills in immersive and intelligent systems.
- Add modules on Generative AI, UI/UX Design, and Full Stack Development to prepare

students for modern software roles.

- Embed Sustainable Computing and Software Testing courses to promote green practices and software quality assurance.