



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 2023-24

1. Alumni appreciated the state-of-the-art infrastructure and well-equipped laboratories, which provided an excellent environment for both learning and research.
2. The alumni expressed appreciation for the soft skills training provided, including communication, time management, and problem-solving skills, which were crucial in their professional lives.
3. Alumni noted the support for entrepreneurial initiatives, including access to incubators and startup mentorship programs, which helped those interested in starting their own startups.
4. The alumni mentioned that the alumni network had been a valuable resource for networking and career advancement, and they encouraged NHCE to continue nurturing and expanding it.
5. Alumni who participated in exchange programs and international collaborations highlighted these experiences as significant in broadening their perspectives and enhancing their global outlook.

Employer feedback: 2020 – 2024 Batch

1. Encourage students to organize and participate more technical competitions and coding challenges to stimulate problem-solving skills and innovation among students.
2. To make students industry-ready and update their skill set, mini-projects and other technical online courses should be included as part of the curriculum.
3. More emphasis should be given to establishing a robust feedback mechanism where industry professionals can regularly provide input on curriculum and training programs to ensure they remain aligned with industry needs.
4. Workshops/ Seminars/ TEDx talks on emerging trends like Data Science, Machine Learning, Artificial Intelligence, Cyber Security, Block chain, Cloud Computing, and other open-source tools should be conducted to enhance students' domain knowledge and keep them updated with industry advancements.
5. Integrating industry-recognized certification programs into the curriculum to help students gain relevant credentials that enhance their employability.

Student feedback: 2020– 2024 Batch

1. Students suggested opportunities for international exposure, such as study abroad programs, international internships, and cultural exchange initiatives, to broaden their global perspectives.
2. Some students expressed interest in more sustainable practices on campus, such as recycling programs, energy-efficient facilities, and promoting eco-friendly initiatives, to foster an environmentally conscious community.
3. Students emphasized the need for more hands-on learning opportunities, such as lab sessions, workshops, and real-world projects, to better understand theoretical concepts and apply them in practice.
4. Several students proposed implementation of virtual labs and simulation tools that allow them to experiment with and understand technical concepts in a risk-free, virtual environment.
5. Some students highlighted the importance of for undergraduate research, including access to research labs, funding for student projects, and collaboration with faculty on research publications.

Course Coordinators feedback: AY 2023-2024

1. Add courses on Block chain Technology to prepare students for careers in industries adopting distributed ledger technologies for secure transactions and data integrity.
2. Incorporate courses on IoT to equip students with the knowledge and skills to design, develop, and manage IoT systems and applications.
3. It was proposed to include courses on AR and VR technologies to prepare students for developing immersive applications in gaming, education, and training.
4. There was a suggestion to further enhance courses on 5G Technology to provide students with in-depth knowledge about the next generation of wireless networks, including architecture, protocols, and applications.
5. It was recommended to introduce courses on focusing on Sustainable Computing to educate students on creating energy-efficient and environmentally-friendly computing systems.

Action plan 2024-2025 based on 2023-2024 feedback summary:

Based on the Alumni feedback

- Continuously monitor and maintain upgraded infrastructure
- Regularly assess and provide feedback on students' soft skills.
- Host startup competitions and provide funding opportunities.
- Reach out to alumni living abroad to establish international chapters.
- Develop new partnerships for exchange programs and increase student participation.

Based on the Employer feedback

- Organizing Technical Competitions and Coding Challenges
- Identify key areas for mini-projects aligned with industry demands.
- Implement a structured process to collect and analyze feedback.
- Invite industry experts and alumni to share insights and trends.
- Include certification completion as part of academic records or achievements.

Based on the Student feedback

- Establish partnerships with universities abroad for study abroad programs.
- Launch campaigns to raise awareness about eco-friendly practices and initiatives.
- Increase the frequency of lab sessions across all technical disciplines.
- Invest in virtual lab software and simulation tools for various disciplines.
- Establish mentorship programs where faculty members guide students in research endeavors.

Based on the Course Coordinator feedback

- Develop courses on block chain development, smart contracts, and decentralized applications (dApps).
- Offer courses on edge computing architectures, applications, and integration with IoT.
- Include courses on augmented reality (AR), virtual reality (VR), and the emerging metaverse technologies and their applications.
- Provide education on 5G networks, their architecture, and applications in various industries.
- Offer courses on green computing, energy-efficient data centers, and sustainable technology practices.