



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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**Alumni feedback: AY 2022-23**

1. Alumni mentioned that they found the career counseling services provided by NHCE is instrumental in helping them navigate their professional paths after graduation.
2. The alumni expressed appreciation for the curriculum emphasis on practical, hands-on learning experiences, which they felt prepared them well for real-world challenges in their field.
3. They mentioned that the extracurricular activities and clubs offered in NHCE had allowed them to develop valuable leadership and teamwork skills that had been essential in their careers.
4. They suggested increasing the focus on industry partnerships to provide students with more opportunities for internships and practical exposure to their fields.
5. 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.

**Employer feedback: 2019 – 2023 Batch**

1. Encourage students to participate in various Project exhibitions, Hackathons, and other academic-related events to enhance their practical skills and creativity.
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 students' technical and interpersonal skills through specialized training and workshops.
4. Workshops/ Seminars/ TEDx talks on emerging trends like Data Science, Machine Learning, Artificial Intelligence, Cyber Security, Blockchain, Cloud Computing, and other open-source tools should be conducted to enhance students' domain knowledge and keep them updated with industry advancements.

### **Student feedback: 2019 – 2023 Batch**

1. Students suggested implementing a mentorship program where senior students or alumni can mentor juniors to provide guidance and support in their academic and career endeavors.
2. Some students expressed a desire for more flexible scheduling options, such as evening classes or online courses, to accommodate part-time work or other commitments.
3. A group of students recommended enhancing the campus facilities, such as updating the library resources, improving the Wi-Fi connectivity, or adding more recreational spaces, to create a more conducive learning environment.
4. Several students proposed the introduction of interdisciplinary courses or collaborative projects that would allow them to explore diverse subjects and develop a broader skill set.
5. Some students highlighted the importance of mental health support services and suggested increasing access to counseling or wellness programs to help students manage stress and maintain overall well-being.

### **Course Coordinators feedback: AY 2022-2023**

To improve the curriculum regarding current technologies, the course coordinators propose to address the gaps identified in the syllabus for the third through eighth semesters.

1. It was suggested that courses focusing on Quantum Computing and its applications be introduced to prepare students for upcoming advancements in this field.
2. There was a recommendation to integrate courses on Cybersecurity and Ethical Hacking to address the increasing demand for professionals with expertise in securing digital systems and networks.
3. It was proposed to include specialized courses in Data Mining and Big Data Analytics to equip students with skills for handling large volumes of data in various industries.
4. There was a suggestion to further enhance the existing curriculum by incorporating advanced courses on Artificial Intelligence and Machine Learning to meet the increasing demand for professionals skilled in advanced algorithms and data analysis techniques.
5. It was recommended to introduce courses on DevOps practices and tools to prepare students for roles in software development and IT operations, which are increasingly integrated in modern software development processes.

## **Action plan 2023-2024 based on 2022-2023 feedback summary:**

### **Based on the Alumni feedback**

- Conduct a survey to gather specific areas where alumni found the counseling services helpful.
- Organize workshops or webinars based on the survey results to address specific needs.
- Establish a feedback mechanism for ongoing improvement.
- Review the curriculum to ensure a balance of theoretical and practical learning.
- Enhance lab facilities and resources to support hands-on learning experiences.

### **Based on the Employer feedback**

- Integrate project-based learning into the curriculum.
- Offer specialized training in technical and soft skills.
- Organize workshops on emerging industry trends.
- Incorporate certifications in relevant technologies.
- Review and update professional elective courses.

### **Based on the Student feedback**

- Establish a mentorship program for juniors.
- Offer evening classes and online courses for flexibility.
- Conduct a comprehensive survey of campus facilities.
- Collaborate with other departments for interdisciplinary projects.
- Expand mental health support services.

### **Based on the Course Coordinator feedback**

- Research demand for courses in Quantum Computing.
- Collaborate with industry for cybersecurity courses.
- Develop specialized courses in Big Data Analytics and Visualization.
- Offer advanced AI and ML courses into the curriculum to meet higher demands.
- Offer courses on DevOps practices and tools.

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