DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Alumni feedback: AY 2021-2022

- Alumni said that they were intrigued by the sheer infrastructure from the main campus to the library

- The alumni replied that lecturers made them learn worthwhile and memorable and gave them helpful advice and assistance that have greatly benefited both professionally and personally

- To organize Motivational talks on Stress management, Conflict handling, Teamwork, Team building and Study skills on research and developments, Patents and publications to be organized for students to strengthen their ideas and provide initiative paths

- To include more value-added courses that will help in acquiring modern technical skills

- At least two modules in each course to be taught by industry experts

Employer feedback: 2018 – 2022 Batch

- Projects and seminars must be done on latest emerging trends during third and final year

- Seminars / workshops must be organized for students on preparing placements for smart performance

- To make students industry ready and update their skill set, which can be achieved by making them do mini projects and other technical online courses as part of curriculum

- More emphasis should be given to their technical and interpersonal skills

- Encourage the students to participate in various Project exhibitions, Hackathons, and other academic related events

- To acquire domain knowledge by conducting workshops/seminars on the various areas like Data Science, Machine Learning, Artificial Intelligence, Cyber Security, Blockchain, Cloud Computing and other open-source tools

- Internship programmes help students to get industry experience with an insight to the corporate sector, domain-specific industrial motives

Student feedback: 2018 – 2022 Batch

- Content beyond syllabus can be listed and circulated with students
- Selection of professional and open electives by students based on their career goals and interest areas
- Quiz questions can be based on aptitude, pattern matching
- Hackathons can be conducted to improvise student's attention
- Students requested to organize industrial visits to companies like VMWare, SAP, IBM, Wipro, Cerner, and many more to know the advanced research and developments, programming techniques and practical working environments to meet their needs
- Increase the number of industrial visits to identify prospective areas of work
- To broaden the students' thinking level, self-study report preparation, seminars on the topics beyond the syllabus can be encouraged

Course Coordinators feedback: AY 2021-2022

To enhance the curriculum on current technologies, the course coordinators propose to fuse the gaps identified in the syllabus endorsed for the third, fourth, fifth, sixth semester, seventh and eighth semester.

- Recommendation to give more importance to statistics in data science and machine learning
- BoS suggested the courses 'Robotics process Automation' and 'UX/UI design principles' to be made part of Professional Elective to meet the industry requirements for placement activities
- Embedded Programming is required to develop IoT based projects
- Latest edition of books must be recommended as textbooks
- Recommended to include Cloud Computing certifications
- Recommendations to modify the courses offered under professional electives for semesters seven and eight

<u>Action plan 2022-2023 based on 2021-2022 feedback summary:</u>

Based on the Alumni feedback

- To continuously improve the curriculum to match the industry requirements.
- To organize Motivational talks on Stress management, Conflict handling, Teamwork, Team building and Study skills on research and developments, Patents, and publications by inviting experts from industry/IIT/IISc/Other Institutions of National importance
- To motive the students to publish them in Q1/Q2 journals.
- Motivate students to take up career building courses for overall development.
- To organize alumni talks so that the students can have a network with their seniors and get to know about the industrial requirements
- To enhance the number of industrial visits
- To strengthen industry collaboration through MoUs

Based on the Employer feedback:

- Students will be encouraged to do quality mini projects / research oriented major projects
- Hands-on workshops on Cloud computing/IoT/Big Data/Robotics/Blockchain will be organized for the students
- Motivational talks / Seminars will be conducted to enhance the interpersonal skills
- Students will be encouraged to participate in various activities like Hackathons, KSCST project proposals, Innovative idea submissions, External Competitions, State Level Inter collegiate Tech Fest, MANTHAN, UDAAN to stimulate their learning
- As per the new NEP 2020 curriculum, students will be encouraged to take internship in Centers of Excellence / industries
- Seminars on personality development, investigating abilities, employability skills and technical skills will be conducted to improve the performance in placements

Based on the Student feedback:

- Technical training sessions will be conducted by a special team of in-house faculty members to facilitate students for cracking technical interviews
- Seminars/ workshops and National Conferences will be organized to draw student attention about recent trend and technologies
- Quiz based on aptitude, pattern matching, hackathons, brain teaser will be conducted to

improvise student attention

- Expert lectures for different courses will be arranged to facilitate students with current technologies and scenario of industry
- Coding events from different clubs will be conducted to motivate students to enhance their coding skills

Based on the Course Coordinator feedback:

- As per the new NEP 2020 policy, "Mathematical Foundations of Computer Science" and "Discrete Mathematics" will be included in the third and fourth semester
- Robotic Process Automation will be offered as an open elective from the AY 2022-2023.
- Courses like Embedded Programming, Web of things, Pattern Recognition, Computational Intelligence, Computational science will be included in professional electives
- Latest edition books will be included as textbooks
- Students will be encouraged to take certification courses in NPTEL, MOOC, Courseera