



**NEW HORIZON
COLLEGE OF ENGINEERING**

Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
Accredited by NAAC with 'A' Grade & Accredited by NBA



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Alumni feedback: 2012 – 2016 Batch

Based on the alumni feedback taken during the alumni meet and also whenever they visit the college, the following are the key takeaways consolidated:

- Alumni appreciated the efforts of the department in molding their career.
- Around 70 -90% of the alumni gave very good and positive feedback about the department with respect to teaching -learning process, curriculum & syllabus and other administrative services provided.
- To create Career based tracks for technical creativity and analytical thinking skills to the students for solving various software related issues.
- Introduce domain specific teaching, learning curriculum from 3rd semester onwards for technical excellence in trending technologies
- Application oriented and Industry relevant mini projects to be included in the curriculum.
- Suggested to include subjects like Essential English, Ethics and life skills for students.

Employee feedback: 2012 – 2016 Batch

- Motivate to improve on the domain knowledge and technical skills by Core sector.
- Student's preparedness of interviews.
- Workshop and Seminars are the most proficient method to get ready for placements, personality development, investigating abilities, employability skills, technical skills to be coordinated for students to improve the degree of performance
- The curriculum can bridge the gap between industry and academic

- The Syllabus can include courses on Project based learning and also students can be more exposure to open source tools
- More opportunity should be given to students to active participation in technical events and expose the student ability to industry expert.
- The curriculum can help in building entrepreneurial motives, which helps the students for starting their ventures

Student Feedback: 2012 – 2016 Batch

- After receiving feedback from students, various expert talks can be provided insights on the recent advancements Machine Learning , Data Science , Internet of Things, and Database Management ,etc. to gain more knowledge about the trending technologies
- Selection of electives by students based on their career path.
- As per the recommendations of the students, guest talk on entrepreneur can be conducted.
- Students were given good opportunities, awareness about best practices and practical working environment through frequent industrial visits.
- Increase in the number of industrial visits can help students to identify their prospective area of work like software development, testing, design and automation and many more.
- For Gate and competitive exams, students suggested courses like FACD to be included in the curriculum during their initial 5th/6th semesters.
- Self study topics beyond syllabus can be listed and circulated with students.

Course Coordinators Feedback: 2012-2016 Batch

To enhance the curriculum and edify knowledge of the students on current modern prerequisites, the course coordinators proposed to fuse the gaps identified in the syllabus endorsed for the third, fourth, fifth, and sixth semester

- To promote the excellence and currency of the curriculum to uplift the technical skills and potential of students to find innovative ways to solve problems and to achieve success, the course coordinators suggested top-ups for the curriculum to boost the employability and equip the students to meet workplace challenges. In this regard Course coordinators proposed changes in the syllabus endorsed for the third, fourth, fifth, and sixth semester.

- The BOS members commented, the COs and POs should be mapped accordingly and also included in the syllabus and lesson plan for the better understanding
- The members suggested to refine Soft skills and Computer Organization courses.
- Application oriented and Industry relevant mini projects are suggested for programming subjects.
- Open electives and global electives were recommended
- The members also suggested that to maintain Career based tracks, the student must be empowered with basic knowledge by including the very in-depth fundamental knowledge into the syllabus of respective subjects.

Action plan 2017-2018 based on 2016-2017 Feedback summary:

Based on the Alumni feedback:

- Domain specific teaching - learning curriculum to be introduced from 3rd semester onwards for technical excellence in trending technologies
- Help the students with necessary software and guidance to take up real time projects.
- To accommodate syllabus with project based learning.
- To organize technical events/hackatons in the department as well encourage the students to actively participate in technical events organized outside the college.
- To include Essential English, Ethics and life skills and other value add-on courses in the curriculum.

To include the following subjects in the curriculum:

- Digital Experience Management using Adobe Experience Manager
- Virtualization Essentials with VMWare
- Big Data Analytics with HP Vertica

Action plan 2017-2018 based on 2016-2017 Feedback summary:

Based on the Employee feedback:

- Students and Faculty members were sensitized on the industry demand and expectations.
- Department - wise Resume writing sessions, mock interviews and various aptitude training were conducted.
- In all courses, the fifth chapter – 20% of syllabus every semester is handled by Industry experts. All labs have minimum 3 experiments beyond syllabus to incorporate more curiosity and hands-on with the subject.
- Providing a Very good exposure to open source tools in each lab.
- Companion talks were organized to help current students on recent advances in research, Industry needs and area of expertise on courses like Data Structures, Algorithms, programming paradigm, useful resources in the web for self-learning in coding, Tips for cracking the technical / coding round test and many more.

Action plan 2017-2018 based on 2016-2017 Feedback summary:

Based on the Student Feedback:

- Mini project contact hours were increased as per the requirement of the semester.
- Various technical event were organized to help current students to increase the problem solving ability and which indeed reframed and refined the Lab program questionnaires statements.
- As we maintain Career based tracks, the student were empowered with basic knowledge by including the very in-depth fundamental knowledge into the syllabus of respective subjects.

Action plan 2017-2018 based on 2016-2017 Feedback summary:

Based on the Course Coordinator Feedback:

- As per the need of the BOS members, the COs and POs is mapped accordingly and also included in the syllabus and lesson plan for the better understanding
- The members of BOS suggested to have a uniform format to represent the name of the textbook and reference books and also changed it as per IEEE standard format.
- Advanced concepts relevant to industry readiness and expectations are incorporated in the syllabus.
- As suggested by the BOS members integrated courses and value added courses were included in every semester.
- As suggested by the members Soft skills and Computer Organization subjects were refined and reframed.
- As per the member recommendations the following subjects were included as Professional electives in the curriculum:
 - ✓ Digital Experience Management using Adobe Experience Manager
 - ✓ Virtualization Essentials with VMWare
 - ✓ Big Data Analytics with HP Vertica