



**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**

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### **Alumni feedback: 2011 – 2015 Batch**

- Alumni appreciated the efforts of the department holistically.
- Around 70 -90% of the alumni gave very good and positive feedback about the institution with respect to teaching -learning process, curriculum & syllabus and other administrative services provided
- Include value added certificate courses.
- Add field oriented software and theories.
- Need more support for project works.
- More professional elective courses emphasizing on modern trends
- To offer courses enhancing employability opportunities and entrepreneurship.

### **Employee feedback: 2011 – 2015 Batch**

- Adequate facility need to provide to students focusing on student's aptitude and grammar Skills.
- The courses can offer to provide a solution to issues relevant to Gender, Environment, and Sustainability.
- The curriculum should be relevant for employability and job placement.
- The curriculum is relevant for the solution of global and national problems.
- Effectiveness of curriculum for the development of entrepreneurship.
- The syllabus helps in bridging the gap between industry and academic institutions.
- The curriculum can helps students in building Soft skills and communications skills

### **Student Feedback: 2011 – 2015 Batch**

- After receiving feedback from students, various expert talk from industries, can be provided insights on the recent advancements like Block-Chain, Machine learning, Database, A.I etc. to gain more knowledge about the trending technologies
- To expose their practical and technical knowledge, student projects can be sent to open source platforms
- To participate actively and exhibit their talents, many technical events/ Hackathons can be organized.
- Students requested to schedule industrial visits with various companies to know the advanced research and developments, core programming techniques, and practical working environments to meet the industrial needs
- To broaden the students' thinking level, self-study report preparation, mini projects, seminars on the topics beyond the syllabus can be encouraged.

### **Course Coordinators Feedback: 2011 – 2015 Batch**

- 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 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.
- Use of Linux and Eclipse IDE were suggested for first year C Programming and Data Structures Lab.
- K & R and Cooper books were suggested as text and reference books.

- Specialization 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 2016-2017 based on 2015-2016 Feedback summary:**

**Based on the Alumni feedback**

- Students are encouraged to register for NPTEL courses of their choice.
- The faculty members handling professional elective will identify relevant Mooc/nptel courses as a part of curriculum and help the students in the registration and submission of assignments.
- Help the students with necessary software and guidance to take up real time projects.
- To accommodate syllabus with project based learning.
- To include the following subjects in the curriculum
  - Advanced Operating Systems with lab
  - Artificial Intelligence
  - Advanced computer networks & security(Industry relevant mini projects)
  - Multicore architecture and programming

**Action plan 2016-2017 based on 2015-2016 Feedback summary:**

**Based on the Employee feedback**

- The focus on building student's aptitude and grammar by conducting aptitude placement training in making the drive successful.
- Developed "Soft skills culture" for the students where the focus should be on "communication skills, cultural adaptability, leadership skills, Mobility".
- Students Need to be aware of the current development and changes and technologies languages that are coming up needs to be more confident in their approach
- Better all-round development of the Interpersonal and communication skills

- Students can improve coding as a skill, by giving them more time and tools to practice.

**Action plan 2016-2017 based on 2015-2016 Feedback summary:**

**Based on the Student Feedback**

- Various expert talks have been held to provide insights on recent advancements like Block-Chain, Machine learning, Databases Management, Data Structures, A.I and Applications. Technology Trends, and Industry in Future, object-oriented programming, etc. to gain more knowledge about the trending technologies
- Student projects were sent to open sources platforms to expose their practical and technical knowledge.
- Scheduled the industrial visits with various companies like Mind-tree, IBM, Wipro, Cerner, SAP and many more to know the advanced research and developments, core programming techniques, and practical working environments to meet the industrial needs
- Seminars on the self-study report were scheduled to develop a good work ethic and broaden the thinking level of the students

**Action plan 2016-2017 based on 2015-2016 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. Thereby Big Data Analytics and Cloud Computing with industry relevant mini projects were included.
- As suggested by the BOS members integrated courses and value added courses were included in every semester.

- Additional topics in C Programming and Data structures such as Introduction to Computing fundamentals, Flowcharts, Types of files were included in the respective modules.
- Lastly, as per the member recommendations the following subjects were refined and reframed in the curriculum:
  - Advanced Operating Systems with lab
  - Artificial Intelligence
  - Advanced computer networks & security(Industry relevant mini projects)
  - Multicore architecture and programming
  - Data warehousing and Data Mining