



# **VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS**

## **Department of Computer Engineering**

### **Curriculum Gap Analysis**

VPPCOE&VA is affiliated to Mumbai University therefore Computer Engineering department follows syllabus designed by team of BOS (Board of Studies) members along with all senior faculties & industrialists from various reputed institutes & organizations. The curriculum comprises of basic, core & advanced computing subjects related to respective engineering discipline. All course outcomes (COs) of all courses of the department are mapped with twelve Program Outcomes (POs) defined by National Board of Accreditation's (NBA) and two Program Specific Outcomes (PSOs), to attain COs/ POs/ PSOs. POs that have not been attained, department makes additional efforts to impart such knowledge by covering aspects through "Content Beyond Syllabus (CBS)". Content beyond syllabus are conducted by doing proper "GAP analysis" process to bridge the Gaps between the curriculums. Departments conduct meetings along with department academic & quality assurance committees to align the POs/PSOs with University curriculum for identification of the gaps. Each faculty also develops major elements of POs and PSOs to determine the level of mapping (Strong -3, Moderate-2, Low-1) to POs of the courses. Discussions focused on whether mapping to low-1 of introductory nature was adequate or does the department need to develop more beyond syllabus topics, introduce additional electives, laboratory experiments etc. to improve the level.

During meetings, all faculties survey the departmental academic functioning and discuss about improvements in curriculum to minimize the gaps. The following process is adopted by departments to minimize the gaps,

- Identification of the courses from each semester to satisfy at least one PO.
- Subject teacher sets the internal assessment question paper based on CO.
- Analyzing the COs and POs mapping, weak areas are pointed out and gaps are identified.
- Analyzed the feedback from alumni and industries.
- Subject teachers review the syllabus of the courses to detect prerequisites and gaps, if any.



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

## Department of Computer Engineering

