

## **Area: Implementation of Outcome Based Education [OBE]**

The college has started implementing OBE system from the Academic year 2018-19. The objective is to improve the graduate attributes through restarting of curriculum, assessment and reporting practices. As a part of implementation, the college has clearly defined the Programme Outcomes [POs], Programme Specific Objectives [PSOs] and Course Objectives. Programme specific outcomes (PSOs) and course objectives. While doing so, the college has taken into consideration the guidelines issued by the VTU and AICTE.

It is known that faculty and students are control to the implementation of OBE. As such, faculty are trained on the new system of education and how they are required to ornate themselves new assessment procedures, feedback mechanism and incorporating corrective. action. The educational objectives under this new model are mapped properly and communicated to the faculty. OBE being a transparent mechanism, students are geared upto understand the process and involve themselves at every stage. In particular, the following are the outcomes expected from students.

- Students are expected to be able to do more challenging tasks rather than memorize and reproduce what was taught.
- Students should be able to: write project proposals, complete projects, analyze case studies, give case presentations, show their abilities to think, question, research, and make decisions based on the findings.
- Be more creative, able to analyze and synthesize information.
- Able to plan and organize tasks, able to work in a team as a community or in entrepreneurial service teams to propose solutions to problems and market their solutions.

At the aggregate level, the expected outcomes, changes in the assessment, evaluation and perforated improvements can be comprehended through a flow char. the framework begins with the vision and mission of the institution and the same are translated into POs, PSOs and COs. Based on this, the course planning and delivery is carried out. At the next level, suitable assessment framework is designed and implemented.

In terms of Graduate Attributes, the OBE framework is helpful in integrating not only generics, but also specifies which would include the following:

### **GAs**

1. Engineering Knowledge,
2. Problem Analysis
3. Design/development of solutions
4. Conduct investigations of complex Problems
5. Modern tool usage
6. The engineer and society

7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

The college has also figured out the attainment of course outcomes by assigning maximum score of 10 points. The points secured for by each faculty were computed and the results communicated to them for further improvement. This exercise has been carried out for each branch of engineering for Internal Tests(IAs) and University Examinations (UE). The relevant documents are furnished as link in the website of the college.