

## Innovative Teaching Methodologies Adopted by Faculties

Department strongly believes and emphasize on the innovation by faculty in teaching and learning to ensure quality education and continuous academic improvement. The department faculty are encouraged to come up with innovative approaches and techniques towards teaching and learning. Following are but not limited to it, are methods used by faculty members-

1. In addition to conventional teaching aids like chalk, black board, white board and marker, classrooms have facility of LCD Projector and smart boards.
2. Civil department is having computational lab shared with computer engineering department, equipped with civil engineering software wherein students can have individual access to the computer to learn the software and also may use it for their project work.
3. E-Books -Classroom teaching is complimented with E-Books facility for offline learning through mobile app for easy reference to students.

| S. No | Faculty Name           | Process  |
|-------|------------------------|--|
| 1     | Anish Kumar            | Think Break –Ask a rhetorical question, and then allow some time for students to think about the problem before going to explain. PowerPoint Presentations: PPT is used for clarifying the concept of students in the classroom. Use of Smart board.   |
| 2     | Ms.Stuti Maurya        | You tube video: use of you tube video to understand the working of different treatment plant units.  |
| 3     | Dr. Anoop Narain Singh | Live Projects: Project undergoing on bio remediation of sewage drains which help more to understand wastewater and its treatment.<br>Audio Visual Aid: To make students understand complex flow phenomena of fluids.   |
| 4     | Mr. Asif Ansari        | PowerPoint Presentations: PPT is used for clarifying the concept of students in the classroom.   |
| 5     | Mr. Vishal Kumar       | Exercise and role Play: in this method students are allowed to explore realistic situations by interacting with other people. YouTube Video for better understanding. Site Visit: Students were encouraged to visit sites for practical aspects.   |
| 6     | Mr Amit Kumar          | 1. Understanding concept through comprehensive coverage of questions practice in classroom itself.<br>2. Visualisation of objects through YouTube videos and animations for better understanding of subject.<br>3. Practicing all questions topic wise asked in university as well as GATE and ESE examinations. |
| 7     | Mr. Vipin Mahadeven    | NPTEL: Use NPTEL lecture for explaining the complex topic to students.<br>Mini-Projects: Subject related mini-projects are allotted to students.   |
| 8     | Mr. Chaitanya Nidhi    | PowerPoint Presentations: PPT is used for clarifying the concept of students in the classroom.   |