



# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## DEPARTMENT OF CIVIL ENGINEERING

### Feedback from B.Tech students and action taken report

Sl. No.	Feedback	Action Taken
1	Introduce more field-based activities and practical sessions as part of courses.	Separate slots have been assigned for active learning classes on Saturday to accommodate field-based activities and practical sessions to link theory with lab
2	Need to allot more teaching/tutorial hours for design-based courses/numerical based courses	The course contents are planned according to the lecture and tutorial hours available. However, there might have been a need felt to engage more tutorial hours only for slow learners. Remedial classes are being arranged for slow learners after regular working hours.

### Feedback from Faculty members for B.Tech program and action taken report

Sl. No.	Feedback	Action Taken
1	Introduce more field-based activities and practical sessions as part of courses.	Separate slots have been assigned for active learning classes on Saturday to accommodate field-based activities and practical sessions to link theory with lab
2	Need to allot more teaching/tutorial hours for design-based courses/numerical based courses	The course contents are planned according to the lecture and tutorial hours available. However, there might have been a need felt to engage more tutorial hours only for slow learners. Remedial classes are being arranged for slow learners after regular working hours.

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## Feedback from Employer / Industry and action taken report

Sl. No.	Feedback	Action Taken
1	Bridge Industry Academia Gap. Offer specialized courses in different domains.	Webinars and workshops will be conducted to increase academia-industry interaction and learning.  Pre-final and final year students will have an option to pursue internship for 5 and 15 credits respectively instead of university project.  New DE and OE courses introduced per recommendations.

## Feedback from Alumni and action taken report

Sl. No.	Feedback	Action Taken
1	Add on few courses on software for civil course.	3 Value added Programs on civil engineering related application software are planned to be organized
2	Need more practical on-site, site experiences	Internships are offered twice during the program to address this. In addition, guest lectures and few Industrial visits are also planned to have better exposure.

Pursuant to feedback received from stakeholders, new program core, discipline and open elective courses have been added to curriculum as shown in Annexure CIV 9.5.1 and 9.5.2

### Annexure CIV 9.5.1

#### Program Core Courses (B.Tech Civil Engineering)

1. Building Materials and Concrete Technology (CIV 219)
2. Basic Materials Testing Lab (CIV 263)
3. Highway Engineering (CIV 220)
4. Water Resources Systems (CIV 221)
5. Water Infrastructure Systems (CIV 222)
6. Waste Water Treatment and Disposal Systems (CIV 223)
7. Design of Irrigation Water Resources Systems (CIV 224)
- Railway, Airport and Harbour Engineering (CIV 225)



### **Discipline Elective Courses (B.Tech Civil Engineering)**

1. Reinforced Earth Structures (CIV 321)
2. Advanced Design of Steel Structures (CIV 322)
3. Design of Retaining Structures (CIV 323)
4. Structural Dynamics (CIV 324)
5. Stability of Structures (CIV 325)
6. Theory of Elasticity (CIV 326)
7. Climate Change and Sustainable Development (CIV 328)
8. Urban flooding: Analysis and Control (CIV 329)
9. Urban air pollution and control (CIV 330)
10. Urban Waste Management (CIV 331)
11. Open channel Flow (CIV 332)

### **Open Elective Courses (B.Tech Civil Engineering)**

1. Systems Design for Environment and Sustainability (CIV 407)
2. Infrastructure Systems for Smart City (CIV 408)

### **Annexure CIV 9.5.2**

### **Program Core Courses (M.Tech Building Construction Technology)**

1. Advanced Construction Materials and Technology (CIV 351)
2. Quality, Risk and Safety in Construction (CIV 352)
3. Construction Planning, Schedule and Control (CIV 353)
4. Mechanization in Construction (CIV 354)
5. Material Characterization Lab (CIV 511)
6. Construction Economics and Contract Specifications (CIV 355)
7. Building services and Maintenance (CIV 356)
8. Advanced Design of RC Structures (CIV 363)
9. Software Application Lab (CIV 357)
10. Construction Demolition and Waste Management (CIV 514)

### **Discipline Elective Courses (M.Tech Building Construction Technology)**

1. Pre – Engineered Construction (CIV 359)
2. Human Resource Management (CIV 360)
3. Advanced Design of Steel Structures (CIV 322)
4. Design concepts of substructures (CIV 362)

### **Open Elective Courses (M.Tech Building Construction Technology)**

1. Self-Sustainable Buildings (CIV 364)
2. Energy and Buildings (CIV 365)

The syllabus of the new courses as approved by the Board of Studies is included in the relevant PRCs

