



PRESIDENCY UNIVERSITY

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

DEPARTMENT OF CIVIL ENGINEERING

Feedback from M.Tech Students and action taken report

Sl. No.	Feedback	Action Taken
1	Introduce more content related to current industry requirements, construction management discipline and real life applications.	Every semester Guest lectures, Webinars and workshops are being organized to expose students and faculty to latest developments in the industry. Students as well as faculty are supported and encouraged to participate in National and International conferences, workshops Industry expos and symposium.

Feedback from Faculty Members on M.Tech Program and action taken report

Sl. No.	Feedback	Action Taken
1	<p>Requires a spectrum of courses to be offered which exposes students to all kinds of Civil Engineering problems rather than offering similar courses of same stream.</p> <p>There should be sufficient courses to be offered from all the specialization in the curriculum, Courses should not be concentrated on specific specialization</p> <p>Advanced and updated subject related courses must be introduced as discipline electives</p>	<p>We have well curated list of Discipline and Open elective courses to be offered to the students based on their preference. Prior to sending a form to collect their preferences a meeting is also conducted to educate the student regarding available choices. Course catalogue is also shared which gives an overview of content and topics covered.</p> <p>Faculty is also being recruited from various specializations to strengthen the curriculum and course offerings.</p> <p>Faculty can develop and propose new courses based on student preference and industry requirements.</p>



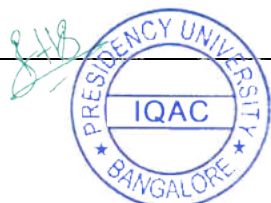
2	For M Tech: The courses based on experiential, project-based learning may be introduced	To enable experiential learning and provide more site visits, courses are being designed to incorporate at least one site visit relevant to the course and students are being given an assessment activity based on the site visit as well. Efforts will be made to offer VAC courses in association with Industry partners.
---	---	---

Feedback from M.Tech Employer and action taken report

Sl. No.	Feedback	Action Taken
1	Practical sessions to be implemented with theory knowledge	9Theory Courses are being revised to lab integrated theory courses to give practical sessions along with theory knowledge
2	Arrange more site visits to learn about current trends in industry and get realistic experience.	To enable experiential learning and provide more site visits, courses are being designed to incorporate at least one site visit relevant to the course and students are being given an assessment activity based on the site visit as well.

Feedback from Alumni and action taken report

Sl. No.	Feedback	Action Taken
1	Turnaround time for basic COE office services should improve for eg - CGPA to percentage certificate, Name change/updating, issue of transcripts.	Extra staff is being on boarded in COE office. All staff being trained to these activities to reduce waiting time for students.
2	Learning more Industry relevant skills/ Software	More lab Integrated Theory courses are being offered in curriculum where relevant software is being taught to students. Our industry partners - Clear Water Dynamics, CADD Center, Medini, will be invited to conduct certification courses for our students to prepare for industry. Software based value added courses will be offered more frequently by the department.



3	Need more placement opportunities in Core Engineering Companies especially in Construction Management	Placement department is actively reaching out to core engineering companies. Attend skill development workshops, webinars and Technical / Domain training sessions organized by the Department to get more opportunities and better pay-scale.
---	---	--

Pursuant to feedback received from stakeholders, new courses have been added to curriculum as shown in Annexure 14.7 and revised courses are shown in Annexure 14.8.

Annexure 14.7 - List of New Courses

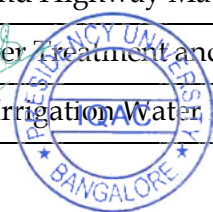
NEWLY PROPOSED COURSES FOR B.TECH (CIVIL ENGINEERING)				
S. No.	COURSE NAME	L	P	C
1	Offshore structures	3	0	3
2	Structural Health Monitoring	3	0	3
3	Pavement Management System	3	0	3
4	Soil and water conservation	3	0	3
5	Statistics in Hydrology	3	0	3
6	Integration of SDGs in Civil Engineering	3	0	3
7	Glass in Buildings: Design and Applications	3	0	3
8	Design of Pile Foundations	3	0	3
9	Pavement Materials	3	0	3
10	Optimization methods for Civil Engineering	3	0	3



NEWLY PROPOSED COURSES FOR B.TECH (CIVIL ENGINEERING)				
S. No.	COURSE NAME	L	P	C
11	Environmental management Systems and Audits	3	0	3
12	Design of Tall Buildings	3	0	3
13	Infrastructure Projects Financing	3	0	3
14	Geospatial Analysis in Urban Planning	3	0	3
15	Development and Applications of Special Concretes	3	0	3
16	Designing of soil structures with Geosynthetics	3	0	3
17	Theory of Plates and Shells	3	0	3
18	Road Safety and Traffic Management	3	0	3
19	Unsaturated Soil Mechanics	3	0	3
20	Design of Steel Concrete Composite Structures	3	0	3
21	Safety in Construction	3	0	3
22	Basic Engineering Sciences	3	0	3

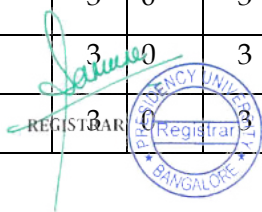
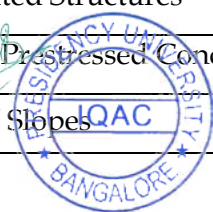
Annexure 14.8 - List of Revised Courses

REVISED COURSES FOR B.TECH (CIVIL ENGINEERING)				
S. No.	COURSE NAME	L	P	C
1	Elements of Engineering Mechanics	3	0	3
2	Analysis of Determinate Structures	3	0	3
3	Analysis of Indeterminate Structures	3	0	3
4	Basic Materials Testing Lab	0	2	1
5	Foundation Engineering	3	0	3
6	Water Infrastructure Systems	3	0	3
7	Concrete and Highway Materials Testing Lab	0	2	1
8	Waste Water Treatment and Disposal Systems	3	0	3
9	Design of Irrigation Water Resources Systems	3	0	3



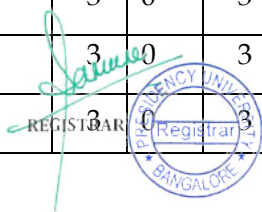
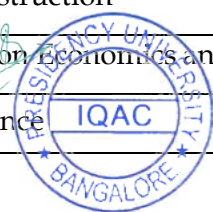
REVISED COURSES FOR B.TECH (CIVIL ENGINEERING)

S. No.	COURSE NAME	L	P	C
10	Environmental Engineering Lab	0	2	1
11	Geotechnical Engineering Lab	0	2	1
12	Pavement Design	3	0	3
13	Transportation Engineering	3	0	3
14	Environmental Pollution and Control	3	0	3
15	Bridge Design	3	0	3
16	Building Planning and Drawing	0	2	1
17	Remote Sensing and Geographical Information System	3	0	3
18	Ground Water Hydrology	3	0	3
19	Elements of Earthquake Engineering	3	0	3
20	Environmental Geotechnics and Solid Waste Management	3	0	3
21	Advanced RCC structures	3	0	3
22	Theory of Elasticity	3	0	3
23	Open Channel Flow	3	0	3
24	Masonry Structures	3	0	3
25	Advanced Design of Steel Structures	3	0	3
26	Climate Change and Sustainable Development	3	0	3
27	Urban Air Pollution and Control	3	0	3
28	Urban Waste Management	3	0	3
29	Geographical Information Systems	3	0	3
30	Environmental Impact Assessment	3	0	3
31	Systems Design for Environment and Sustainability	3	0	3
32	Finite Element Method	3	0	3
33	Design Concepts of Building Services	3	0	3
34	Pre-fabricated Structures	3	0	3
35	Advanced Prestressed Concrete Design	3	0	3
36	Stability of Slopes	3	0	3



REVISED COURSES FOR B.TECH (CIVIL ENGINEERING)

S. No.	COURSE NAME	L	P	C
37	Advanced Foundation Design	3	0	3
38	Earth and Earth Retaining Structures	3	0	3
39	Urban Transport Planning	3	0	3
40	Traffic Engineering	3	0	3
41	Pavement Materials & Construction	3	0	3
42	Highway Geometric Design	3	0	3
43	Advanced Soil Mechanics	3	0	3
44	Earthquake Resistant Design of Foundations	3	0	3
45	Water Resource Management	3	0	3
46	Earthquake resistant Design of Structures	3	0	3
47	Integrated Watershed Management	3	0	3
48	Introduction to Infrastructure System and Planning	3	0	3
49	Urban Planning and Design	3	0	3
50	Project Management in Infrastructure Development	3	0	3
51	Construction Practices and Challenges in Infrastructure Projects	3	0	3
52	Construction Equipment and Machinery	3	0	3
53	Construction Quality and Safety	3	0	3
54	Construction Economics and Finance	3	0	3
55	Built Environment Design	3	0	3
56	Environmental Impact Assessment for Infrastructure Projects	3	0	3
57	Urban Mobility	3	0	3
58	Smart city Energy systems and Management	3	0	3
59	Urban sanitation and hygiene	3	0	3
60	Applications of Remote Sensing and GIS in Infrastructure Development	3	0	3
61	IoT in Construction	3	0	3
62	Construction Economics and Financing for Smart Cities	3	0	3
63	E-Governance	3	0	3



REVISED COURSES FOR B.TECH (CIVIL ENGINEERING)				
S. No.	COURSE NAME	L	P	C
64	Smart Materials and Structures	3	0	3
65	Sustainability Concepts in Engineering	3	0	3
66	Advanced Surveying	3	0	3
67	Geospatial Applications for Engineers	2	2	3
68	Environmental Hydraulics	3	0	3
69	Design of Hydraulic Structures	3	0	3
70	Advanced Fluid Mechanics	3	0	3
71	Disaster Management and Mitigation	3	0	3
72	Industrial Water Treatment	3	0	3
73	Highway Construction and Maintenance	3	0	3
74	Intelligent Transportation Systems	3	0	3
75	Environmental Geotechnics	3	0	3
76	Railway Engineering and Tunneling	3	0	3
77	Ground Improvement Techniques	3	0	3
78	Computer Aided Analysis & Detailing Lab	0	2	1
79	Building Information Modelling	3	2	1
80	Basic Construction Practice	0	2	1
81	Alternate Building Materials	3	0	3
82	Construction Technology and Processes	3	0	3

REVISED COURSES FOR M.TECH (BUILDING CONSTRUCTION TECHNOLOGY)				
S. No.	COURSE NAME	L	P	C
1	Advanced Design of Steel Structures	3	0	3
2	Human Resource Management	3	0	3
3	Pre - Engineered Construction	3	0	3
4	Self-Sustainable Buildings	3	0	3
5	Energy and Buildings	3	0	3
6	Retrofitting and Repair Techniques	3	0	3

7	Formwork and Scaffolding Design	3	0	3
8	Building Automation and 3D Printing	3	0	3
9	Systems Design for Sustainability	3	0	3
10	Building Services and Building Information Modelling	2	2	3

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

