



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	Should have more outdoor real life activities related to Civil Engineering. More industrial visits be organized.	Separate slots have been assigned for active learning classes on Saturday to accommodate field based activities and practical sessions to link theory with lab. Few Industrial visits are also planned to have better exposure.
2	Introduce more civil engineering related application software in curriculum	6 Value added Programs on civil engineering related application software are planned to be organized.

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

Sl. No.	Feedback	Action Taken
1	More lab based or lab integrated courses can be introduced. This will enable students to get experiential learning and also help them to get trained in different software programs for civil engineering applications.	Lab Integrated Theory courses are being introduced and offered in Building Information Modelling, Construction Projection Management, Remote Sensing and GIS, Computer Aided Analysis and Detailing; Earthquake resistant Design of Structures have been introduced where relevant software is being taught to students.



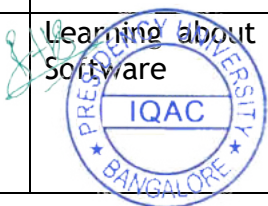
2	<p>Focus should be on Experiential Learning. Assessment should cover Self learning topics. VAC - Skill based courses / Certification courses / Workshops should be introduced that will prepare students for industry. IELTS and GATE coaching should be introduced to motivate young minds. More industrial visits should be arranged and interaction with industry leaders should be facilitated.</p>	<p>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.</p> <p>Efforts will be made to offer VAC courses in association with Industry partners.</p> <p>1 VAC course on IELTS is being offered by English department.</p> <p>Fast Learners are being motivated and guided for GATE. Efforts will be made to provide full-fledged GATE coaching classes on weekends.</p>
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Feedback from Employer on B.Tech students and action taken report

Sl. No.	Feedback	Action Taken
1	The curriculum should be made more on the financial aspect of engineering which focuses more on cost management, financial management and project finance appraisal.	A new course on Financing Infrastructure Projects is Introduced. Efforts are being made to emphasize to students the aspect of economy, cost and pricing while teaching courses on Construction materials, design and construction. Students are also being given market survey assignments to understand the cost aspect.
2	Out of 4 years, 2 years course should be in general and next 2 years students should be given training depending on their interest e.g., Design, execution, management.	30 credits worth of Discipline elective electives and 12 credits worth of Open electives are available in the curriculum enabling students to get trained in courses of their interest.

Feedback from Alumni and action taken report

Sl. No.	Feedback	Action Taken
1	General construction related topics could help in field.	Courses on Construction Technology and Process, Construction Equipment and Machinery as well as a Course on Concept of Building services are introduced.
2	Learning about more Industry relevant skills/ Software	Lab Integrated Theory courses are being offered in Building Information Modelling, Construction Projection Management, Remote Sensing and GIS, Computer Aided Analysis and Detailing;



		Earthquake resistant Design of Structures have been introduced where relevant software is being taught to students.
3	In terms of Survey our curriculum was needs to be updated to include latest methods of surveying.	The syllabus has been updated to include a module on Drone surveying (PPK Based) as well as experiments on Total Station in place of theodolite and tacheometer-based surveying exercise.

Pursuant to feedback received from stakeholders, new courses have been added to curriculum as shown in Annexure 12.6.1 and revised courses are shown in Annexure 12.6.2

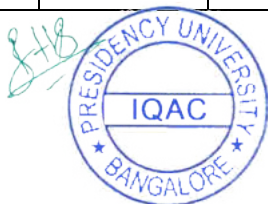
Annexure 12.6.1 - List of New Courses

NEWLY PROPOSED COURSES FOR B.TECH (CIVIL ENGINEERING)					
S. No.	COURSE CODE	COURSE NAME	L	P	C
1	CIV 2013	Analysis of Determinate Structures	4	0	4
2	CIV 3002	Analysis of Indeterminate Structures	4	0	4
3	CIV 2001	Sustainability Concepts in Engineering	3	0	3
4	CIV 2004	Integrated Project Management	3	0	3
5	CIV 2044	Geospatial Applications for Engineers	2	2	3
6	CIV 3045	Big Data Analytics for Civil Engineers	3	0	3
7	CIV 3032	Design of Hydraulic Structures	3	0	3
8	CIV 2022	Railway Engineering and Tunnelling	3	0	3
9	CIV 2023	Airport Engineering and Harbour	3	0	3
10	CIV 3025	Environmental Geotechnics	3	0	3
11	CIV 3005	Computer Aided Analysis & Detailing Lab	0	2	1
12	CIV 2012	Building Information Modelling	1	4	3
13	CIV 1004	Basic Construction Practice	0	2	1
14	CIV 1003	Elements of Engineering Mechanics	3	0	3
15	CIV 2016	Transportation Engineering	3	0	3
16	CIV 2046	Construction Technology and Processes	3	0	3
17	CIV 1007	Building Planning and Drawing	0	2	1


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NEWLY PROPOSED COURSES FOR B.TECH (CIVIL ENGINEERING)					
S. No.	COURSE CODE	COURSE NAME	L	P	C
18	CIV 1001	Disaster management and mitigation	3	0	3
19	CIV 2041	Fundamentals of Smart City	3	0	3
20	CIV 3047	Fundamentals of Pre-stressed Concrete Structures	3	0	3
21	CIV 2011	Environmental Engineering	2	2	3
22	CIV 2010	Hydrology and Irrigation Systems	3	0	3

NEW COURSES FOR M.TECH (BUILDING CONSTRUCTION TECHNOLOGY)					
S. No.	COURSE CODE	COURSE NAME	L	P	C
1	CIV 363	Applications of Remote Sensing and GIS in Construction	3	0	3
2	CIV 307	Elements of Prestressed Concrete Structures	3	0	3
3	CIV 6004	Retrofitting and Repair Techniques	3	0	3
4	CIV 6005	Formwork and Scaffolding Design	3	0	3
5	CIV 5010	Building Automation and 3D Printing	3	0	3
6	CIV 6007	Seismic analysis and Design of Buildings	3	0	3
7	CIV 5001	Sustainable Smart Cities	3	0	3
8	CIV 5002	Systems Design for Sustainability	3	0	3
9	PIP 6001	Dissertation/ Internship - I	-	-	10
10	PIP 6002	Dissertation/ Internship - II	-	-	14
11	CIV 6002	Building Services and Building Information Modelling	2	2	3
12	URE 6001	Research Experience	-	-	3



12.6.2 - List of Revised Courses

REVISED COURSES FOR B.TECH (CIVIL ENGINEERING)					
S. No.	COURSE CODE	COURSE NAME	L	P	C
1	CIV 201	Strength of Materials	4	0	4
2	CIV 202	Surveying	4	0	4
3	CIV 203	Engineering Geology	3	0	3
4	CIV 208	Fluid Mechanics	4	0	4
5	CIV 219	Building Materials and Concrete Technology	3	0	3
6	CIV 252	Surveying Practice	0	2	1
7	CIV 210	Geotechnical Engineering	4	0	4
8	CIV 253	Engineering Geology Lab	0	2	1
9	CIV 254	Fluid Mechanics Lab	0	2	1
10	CIV 211	Design of RC Structural Elements	4	0	4
11	CIV 213	Design of Structural Steel Elements	4	0	4
12	CIV 215	Estimating, Costing and Valuation	4	0	4
13	CIV 381	Construction Project Management	3	0	3
14	CIV 384	Occupational Health and Safety	3	0	3

REVISED COURSES FOR M.TECH (BUILDING CONSTRUCTION TECHNOLOGY)					
S. No.		COURSE NAME	L	P	C
1	CIV 351	Advanced Construction Materials and Technology	4	0	4
2	CIV 352	Quality, Risk and Safety in Construction	4	0	4
3	CIV 353	Construction Planning, Schedule and Control	4	0	4


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4	CIV 354	Mechanization in Construction	3	0	3
5	CIV 511	Material Characterization Lab	0	2	1
6	CIV 355	Construction Economics and Contract Specifications	3	1	4
7	CIV 357	Advanced Design of RC Structures	3	1	4
8	CIV 358	Construction Demolition and Waste Management	4	0	4
9	CIV363	Applications of Remote Sensing and GIS in Construction	2	2	3

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

