PRESIDENCY UNIVERSITY
Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi
GAIN MORE KNOWLEDGE REACH GREATER HEIGHTS
PRESIDENCY GROUP OVER 40 YEARS OF ACADEMIC WISDOM

School of Engineering

Department of Civil Engineering

CURRICULUM STRUCTURE

based on Choice Based Credit System (CBCS) and Outcome Based Education (OBE)

Program: MASTER OF TECHNOLOGY IN BUILDING CONSTRUCTION TECHNOLOGY

M.TECH. [BUILDING CONSTRUCTION TECHNOLOGY]

Resolution No. 18.3 of the 18th Meeting of the Academic Council held on 03rd August 2022, and ratified by the Board of Management in its 19th Meeting held on 04th August, 2022.

M. Tech. [BCT]

2021-2023

AUGUST-2022

NO: PU/AC-18.3/CIV14/BCT/2021-23

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

I. Name of the Program: M. TECH. [BUILDING CONSTRUCTION TECHNOLOGY]

II. Program Code: M. Tech. [BCT]

III. Program Needs:

The construction industry is undergoing a paradigm shift thanks to the rapid evolution in technology. The use of latest equipment and machinery, smart materials, automation, the advent of 3D printing and the application of software tools for design, drawing as well as management have made construction a challenging and daunting task. The master's program in Building and Construction Technology aims at equipping graduate students with the requisite knowledge and relevant skills to apply best management practices in carrying out quality construction within the stipulated schedule and budget. The program also exposes them to the updated methods of construction, latest construction equipment, to use construction modelling and management tools. The program provides the inputs for the students in characterizing materials required for a specific construction activity, facilitate them to read the finer aspects of drawings with design detailing. The program provides an overview on risk management, safety and sustainability aspects. This program encourages the graduates to inculcate research attributes and to make them aware about the IPR and research funding agencies at local, national and international level. In addition, the program ensures that graduates are equipped with the building and construction technology core competencies to meet the requirements for the practice in construction industry at the local, national and global context.

The Program Educational Objectives, Program Outcomes, Program Specific Outcomes and Learning Objectives of the M.Tech. Program in Building Construction Technology in Presidency University are as follows:

Program Educational Objectives [PEOs]: After two years of successful completion of the program, the graduates shall be:

PEO 01: The graduates shall acquire core competence in civil engineering and Building Construction Technology.

PEO 02: The graduates shall constantly pursue the professional growth with multidisciplinary outlook.

PEO 03: The graduates shall work with high professionalism and ethical standards.

PEO 04: Graduates shall be responsive to societal needs for sustainable development.

Program Outcome [POs]: On successful completion of the Program, the students shall be able to:

PO 1: An ability to analyze, manage and supervise engineering systems and processes with the aid of appropriate advanced tools.

PO 2: An ability to design a system and process within constraints of health, safety, security, economics, manufacturability to meet desired needs.

PO 3: An ability to carry out research in the respective discipline and publish the findings.

PO 4: An ability to effectively communicate and transfer the knowledge/ skill to stakeholders.

PO 5: An ability to realize the impact of engineering solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.

III Sem								
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	P	CREDIT			
1	PIP6001	Dissertation/ Internship - I	-	-	10	-	EN	HP / ES
TOTAL			-	-	10	-		

IV Sem								
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	P	CREDIT			
1	PIP6002	Dissertation/ Internship - II	-	-	14	-	EN	HP / ES
TOTAL			-	-	14	-		

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE