



# Ready 4.0 **The Future?** We Are.

PRESIDENCY UNIVERS

Bengaluru

With seven advanced schools and over fifty programs powered by our Enterprise 4.0 curriculum... you will be ready and empowered to co-create your future at Presidency.







(Times Engineering Institute Ranking, Survey 2021) (Top Engineering Colleges in India - Survey)

#### CET CODE E-237 | COMED-K CODE-173 SCHOOL OF ENGINEERING **ENTERPRISE FUTURE-READY ADMISSION 2022-23** B.Tech. / M.Tech. **CURRICULA**

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## SCHOOL OF ENGINEERING

#### **Programs**

The School of Engineering [SOE] of Presidency University [PU] offers Programs in various Disciplines leading to the award of B.Tech. and M.Tech. Degrees. The huge student strength in the School, is a testimony of its Quality Impart of Technical Education. The core strength of the School lies in its Faculty and the Contemporary Infrastructure. Majority of our faculty members are Ph.D holders and many are from Premier Institutions in India and Foreign Universities, coupled with rigorous, progressive and Industry-relevant Curriculum, designed and delivered, by Eminent Faculty. The School also offers Ph. D in Sciences and Engineering with more than 200 Scholars pursuing their Doctoral Studies, as of now.

PRESIDENCY UNIVERSIT

#### **Highlights**

The Four-Year B.Tech. Programs are designed to impart skill, expertise and knowledge in the areas of Technology and Design-thinking, The Curriculum is indeed contemporary and industry-compliant. The Programs have integrated Professional and Industrial Practice Schemes to ensure that students are familiarised with both established and emerging technological trends. Every student is groomed with specialized soft skill training to ensure enhanced employability. Embedded in curriculum and trained by dedicated faculty, the focus is on making the students industry-ready and proficient in communicative skills.

#### **ELIGIBILITY NORMS FOR ADMISSION -**

#### **B.Tech. PROGRAMS**

The candidate seeking admission for B.Tech. Program should have passed in Pre-University / Higher Secondary /10+2 Examination from an approved State / Central Govt. Boards or from an International Board like University of Cambridge "A" Level Certificate OR Certificate from International Baccalaureate (IB), Geneva, etc., with Physics and Mathematics as compulsory subjects along with either Chemistry / Biotechnology / Biology / Electronics / Computer; Obtained a minimum of 45% marks in Physics, Mathematics and one of the other science subjects in the combination as mentioned above for candidates belonging to General Category; Obtained a minimum of 40% in Physics, Mathematics and one of the other Science Subjects in the combination as mentioned above for candidates belonging to SC / ST and other Reserved Categories like Category -1 and OBC (2A, 2B, 3A and 3B) students from Karnataka.

#### **M.Tech. PROGRAMS**

Bachelor's Degree or Equivalent in Engineering (B.E/ B.Tech..) in the relevant field from any Indian or Foreign University recognized by UGC, having obtained at least 50% marks in the aggregate (45% in the case of Reserved Category Candidates).

## WHY PRESIDENCY UNIVERSITY?

- Rigorous, Progressive and Industry-relevant Curriculum delivered by Eminent Full-time Faculty from Premier Institutions as well as renowned Industry Practitioners.
- Programs aimed at building Skill, Expertise and Knowledge among graduates in Technology domains.
- High-tech Engineering Laboratories to enable hands-on learning beyond Classrooms.
- 6-month Monitored Internship with Placement Facilitation across Industry Sectors.
- State-of-the-art infrastructure for a High-quality Living and Learning experience.
- Curriculum that places a high emphasis on the Core Subjects, Elective Subjects, and Industry Internship Programme, along with Professional Skills Development Classes.

## **PROGRAMMES OFFERED**

B.Tech Computer Science and Engineering	B.Tech Electronics and Communication Engineering
B.Tech Computer Science and Engineering (Artificial Intelligence & Machine Learning)	B.Tech Electronics and Communication Engineering [Spl. in Artificial Intelligence & Wearable Technology]
B.Tech Computer Science and Engineering (Data Science)	B.Tech Electronics and Communication Engineering [Spl. in Embedded System & VLSI]
B.Tech Computer Science and Engineering (Cyber Security)	B.Tech Civil Engineering
B.Tech Computer Science and Engineering (Blockchain)	B.Tech Civil Engineering [Spl. in Infrastructure Development]
B.Tech Computer Science and Engineering	B.Tech Civil Engineering [Spl. in Smart Cities]
(Internet Of Things)	B.Tech Electrical & Electronics Engineering
B.Tech Computer Science and Technology (Big Data)	B.Tech Electrical & Electronics Engineering [Spl. in Automotive Electronics]
B.Tech Computer Science and Technology (DevOps)	B.Tech Electrical & Electronics Engineering
B.Tech Computer Science and Technology	[Spl. in Power & Energy Systems]
[Spl. in Artificial Intelligence & Machine Learning]	B.Tech Mechanical Engineering
B.Tech Computer Engineering [Spl. in Artificial Intelligence & Machine Learning]	B.Tech Mechanical Engineering [Spl. in Additive Manufacturing]
B.Tech Information Science and Engineering [Spl. in Artificial Intelligence & Robotics]	B.Tech Mechanical Engineering [Spl. in Mechatronics]
B.Tech Information Science and Technology [Spl. in Artificial Intelligence & Data Science]	B.Tech Petroleum Engineering

M.Tech. - Artifical Intelligence M.Tech. - Data Science M.Tech. - Embedded Systems & VLSI M.Tech. - Building & Construction Technology M.Tech. - Product Design and Development

## INTERNATIONAL COLLABORATIONS

#### University of Texas, Arlington, USA

Under this Program which offers several flexibilities, the aspiring student will study the first three years at Presidency University and in the fourth year, the student will enroll for the Computer Science & Engineering Undergraduate Non Degree Program at The University of Texas at Arlington (UTA). Successful completion of this program will earn the student the B.Tech. Degree from Presidency University. After earning the B.Tech. Degree and meeting the requirements for admission to UTA, the student will have the option of enrolling for the Masters of Science (MS) program at UTA, which, if carefully planned, can be earned in another one year. The main advantage of this program is the flexibility it offers besides exposure to Global Standards of Education and interaction with International Students. Similar Agreement for ECE & EEE students in progress and will be signed shortly.

#### University of Alabama, Huntsville, USA

The Agreement intends to link two independent Programs of PU and UAH to facilitate higher education for the students of PU whereby in Sixth, Seventh or Eighth Semesters of the Undergraduate Program in Computer Science at PU, Students are to take four 3-credit hour Graduate Courses required for the UAH Master of Science in Computer Science or Cyber Security or Software Engineering Degree. These four Graduate Courses are to replace four Elective Courses required to be taken at PU to earn the Undergraduate Degree in Computer Science from PU. Upon successful completion of Degree requirements PU awards B.Tech. Degree. UAH agrees to transfer the four 3-credit hour Graduate Courses taken at PU to UAH when the students secure admission to UAH. The students are to take at least six more 3-credit hour required graduate courses at UAH in the US. Upon satisfactory completion the students will be awarded the UAH MS-Computer Science or MS-Cyber Security or MS-Software Engineering degree. 1+1 MBA Program is also underway.

### EXPERIENCE AN ENRICHING STUDENT LIFE AT PRESIDENCY UNIVERSITY

We believe in making the life of a Student as comfortable and secure as possible, so that they can focus on Study and Research in campus.

- GHRDC B-SCHOOL SURVEY 2021





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