



## Gautam Buddha University

Centre of Excellence RAPID an Alternative Energy and Mobility  
Greater Noida 201312



### **Admission Notice for M.Tech. Degree/Diploma/ Certificate in Reliability, Availability, Maintainability and Safety (RAMS), Prognostics & Health Management (PHM) and Maintenance Engineering**

**(Three months/ Six months/Two Year Professional Online)**

In accordance with India's recently declared National Education Policy (NEP 2020), Gautam Buddha University has designed M.Tech., Diploma and Certificate (online) programs for Engineers and professionals of Private/ Government/ R&D organizations, working/ interested in the domain of **Reliability Availability Maintainability and Safety (RAMS), Prognostics and Health Management (PHM) and Maintenance Engineering**. The programs are available for professionals, self-sponsored or sponsored by the parent organization who have B.E./B.Tech. / Equivalent degree and wish to upskill and reskill themselves. M.Tech. program may also be opted by the B.Tech. students of GBU. In exceptional cases, fresh B.Tech. (or equivalent) students may also be admitted if recommended by the screening committee.

The professionals can be employed full/part time in their organisations while pursuing these programmes. Classes and content will be delivered online. Assessment will be based on a mix of online and proctored examinations, as determined by GBU. Selection of candidates will be based on online interview. The duration of the certificate program is of three months, diploma program is of 6 months whereas M.Tech. program is of 2 years. The programs will be taught by international and national experts from corporates and Universities, who have rich experience in the domain area.

Please visit [www.gbu.ac.in/RAEM/RAMS-PHM](http://www.gbu.ac.in/RAEM/RAMS-PHM) for more details on programs and online submission of applications. Last date of submitting the application is 15<sup>th</sup> November 2021.

Seeking Expression of Interest in M.Tech., Diploma and Certificate programs

(Professional Online)

In accordance with India's recently declared National Education Policy (NEP 2020), Gautam Buddha University has designed M.Tech., Diploma and Certificate (online) programs for Engineers and professionals working/ interested in the domain area of **Reliability Availability Maintainability and Safety (RAMS), Prognostic and Health Management (PHM) and Maintenance Engineering**. The programs are available for professionals, who are sponsored by organisations or working in organisations and who have BE/B.Tech. / Equivalent degree and wish to upskill and reskill themselves. M.Tech program can also be taken as combined M.Tech for the B.Tech student of GBU. In exceptional cases, fresh B.Tech (or equivalent) students will also be admitted if recommended by the screening committee. RAMS, PHM and Maintenance Engineering is a fast growing area in Industry. It is estimated that there is an annual requirement of more than 10000 reliability and condition monitoring engineers in India alone. World over, all major organisations hire reliability engineers in various positions. For core sectors like Aerospace, Defence, Railways, Telecom, Automotive there is a growing requirement of reliability engineers.

The certificate, diploma and the Masters course inter-alia offer training and qualification in following areas: -

- **Reliability Availability Maintainability and Safety (RAMS)**

*The course aims to introduce theory, models, methodologies tools and technology with function preservation and failure prevention during the design and operation phases of component's or the asset's life cycle considering required performance for a given task.*

- **Prognostic and Health Management (PHM)**

*The aim of the course is to provide a tools, technologies and methodologies for assessing and managing the remaining useful life (RUL) of an asset or fleet of assets considering operational and business context.*

- **Maintenance Engineering**

*The aim of the course is to provide a general basic knowledge about scientific theory and application of maintenance engineering for industrial assets, infrastructure buildings, etc in a life cycle perspective. The course provides a good foundation for participants to work as maintenance engineers equipped with technologies and management tools.*

We anticipate that the professional online degree/diploma/Certificate programme will help professionals working in Railways, Defense, Aerospace or any other engineering domain will enhance their skillset and add value to their organisation.

The aspiring professionals can be employed fulltime in their organisations while pursuing these programs. Classes and content will be delivered in online mode. The assessment will be based on a mix of online and proctored laboratory and examinations, as decided by the competent authority. M.Tech. Program will be of two-year duration while Diplomas are of six months programs and Certificate programs are of three months duration. The course will start from May. The details of the programs and admissions are available on the website. [www.gbu.ac.in/RAEM/RAMS-PHM](http://www.gbu.ac.in/RAEM/RAMS-PHM)

Date:

Registrar