

AMRITA UNIVERSITY

M.TECH. CYBER SECURITY SYSTEMS AND NETWORKS

Amrita Center For Cyber Security Systems & Networks

With the phenomenal growth of internet, and its use to initiate, manage, control and communicate almost every aspect of human interaction where it be official or personal, the world has seen a rapid expansion of the cyber systems. Along with this growth comes challenges and plaguing cyber threats related to breach of confidentiality and privacy. With emergence of technologies such as cloud computing and the like security has become so critical and hence the need for skilled cyber security professionals in large numbers has become essential.

This M. Tech programme aims to train the students in the cyber security discipline, through a well designed combination of course-ware and its application on real-world scenarios. The programme has a strong emphasis on foundational courses such as mathematics for security applications, advanced algorithms, networks etc., in addition to subject core areas such as cryptography, operating systems & security, cloud security, security of cyber-physical systems etc.

Students will be exposed to real-world problems, open-ended problems, and simulated real-life scenarios with active guidance from domain experts in this field. The program will help the students to:

1. Comprehend the various security threats and vulnerabilities of the cyber world keeping in line with the industrial trends.
2. Scale up to the demand from multiple industrial sectors on the cyber world to promote effective methods, practices and tools to counter the cyber crimes.
3. To be able to architect, design and implement fool-proof product lines in the field of cyber security.

Ultimately this programme will yield next generation cyber security leaders who can be successfully employed in various sectors of industries, business firms, Government departments, financial bodies, educational institutions, etc, and these sectors generate huge demand for well-trained, professional people to be employed on cyber security front and they are always on the look-out for professionally trained people in the area of cyber security.

Applications are invited from eligible candidates for admission to **M.Tech. Cyber Security Systems & Networks**.

Eligibility

A pass with 60% marks in Bachelors Degree in Engineering / Technology in the relevant area of specialisation or equivalent qualification. B.E./B.Tech. Degree in Computer Science/IT or equivalent M.Sc degree in Computer Science/Software/IT.

Selection Procedure

Admission is based on the performance in the test, academic merit and interview. Candidates with valid GATE score are given preference.

Important Dates

Issue of application form begins on : **20 July 2012**

Last date for submission of application : **01 August 2012**