

ENQUIRE

# Master of Technology (M.Tech.) Signal Processing

Punjab Engineering College University of Technology - (PEC, Chandigarh).



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## Master of Technology (M.Tech.) Signal Processing

The **M.Tech. in Signal Processing** degree program is designed to provide students with a comprehensive education in signal processing. It includes advanced technical courses and a research project that prepares graduates for a career in the technology industry. The course is ideal for people looking to advance their education or prepare for specialist consultancy roles. Its main objective is to develop the skills necessary to understand, formulate, and implement signal processing algorithms.

This postgraduate degree course focuses on teaching students the fundamentals of signal processing. During the course, students will study advanced signal analysis and the manipulation of signals. This program provides students with a solid theoretical foundation and introduces them to practical applications of signal processing. An **M.Tech. in signal processing** is an excellent way to advance your education in the technology industry. After completing the program, you can expect a lucrative salary and job opportunities in leading companies and institutions. The M.Tech. in signal processing can help you break into the highly competitive tech industry and earn a competitive salary. The course is structured to help students pursue their professional goals in the field of signal processing.

## Benefits of Master of Technology M.Tech. Signal Processing

Many young people are worried that technological advancements will threaten their job prospects. However, there are a number of advantages to earning an M.Tech. in signal processing. It will help you enter a career in a rapidly growing industry. This field is crucial for a wide range of applications, from digital cameras to wearable devices and digital home assistants. In

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**MBA (Master of Business Administration)**

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addition to this, a Master of Technology in signal processing will increase your earning potential. This field is poised to lead the next IT revolution, and new job roles will be created as a result. With the advancement of technology, skilled professionals can choose from a variety of career options.

Regardless of whether you're interested in working in the aerospace industry, medical industry, or automotive industry, you'll be well-equipped to take on any challenge. Choosing the right role is critical to the success of your career, so earn your Master's degree in signal processing today! With advanced education, you'll be ready for any career. The signal processing field is poised to transform the IT industry, creating a new era of jobs and careers. With an **M.Tech. in signal processing**, you'll be able to choose from a variety of roles within this field. You'll be able to apply for almost any position and enjoy a well-rounded career path.

Eligibility for Master of Technology M.Tech. Signal Processing

Candidates must have a full-time BE/ BTech degree of a recognized university or college. Candidates must have obtained a minimum aggregate of 50%.

Future Scope of Master of Technology M.Tech. Signal Processing

M.Tech. in Signal Processing prepares students for a variety of jobs. It focuses on the technological development that will lead to the success of their careers. Today, it is used in digital cameras and other consumer electronics. It is also used in television shows and entertainment, where it is a vital part of the overall production process. The demand for signal processors is increasing day by day, with smartphones, wearable devices, and even digital home assistants being created with this field in mind. M.Tech. students can take up employment in various fields. Their skills will be useful in the electronics, telecommunication, and electrical sectors.

These graduates will be capable of evaluating and implementing new technologies in an array of fields. There is a growing need for skilled engineers, and a **Master of Technology in Signal Processing** will give you the necessary skills to meet the growing demand. The M.Tech. program is highly practical and molds students to tackle real-world problems. A student's training in signal processing will allow them to work with quality engineers and experts in their field. Additionally, they will be able to find teaching opportunities in different institutes. In fact, signal processing is used in almost every sector.

Career Opportunities and Job Prospects of Master of Technology M.Tech. Signal Processing

As a signal processing engineer, you will be responsible for developing algorithms that improve the quality of signals. This field is booming with opportunities in a number of fields, including the Space and Defense Sector, as well as in Embedded Technology firms, where you can work as a contract manufacturer to develop embedded applications for other companies. As a signal processing engineer, you should have some knowledge of programming and basic data types. You should be familiar with looping and programming concepts. Graduates from Master of Technology **M.Tech. Signal Processing** degrees have numerous potential career options. The field is not limited to one industry and has applications in practically every industry. Health care, for example, makes extensive use of signals. Medical images can be analyzed with complex data processing techniques. The field of finance uses signals in the development of stock portfolios and other financial products.

Course duration and fee details of M.Tech. Signal Processing



Master of Computer Applications (MCA)

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Bachelor of Computer Applications (BCA)

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MBA (Finance)

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Bachelor of Computer Applications (BCA)

APPLY NOW



MBA (Master of Business Administration)

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Bachelor of Science (B.Sc.) Radiology

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Bachelor of Science (B.Sc.) in Fashion Design

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Bachelor of Science (B.Sc.) Economics

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The M.Tech. Signal Processing course requires a Bsc or Btech degree, preferably with a higher qualification. The minimum age to apply for this course is 20 years. The course duration for completion of M.tech in signal processing is two years. The average fee for the completion of the course is between 100K to 500K INR, however, it may vary depending upon the type of college.

 <b>Campus</b>	<b>University</b>	 <b>Delivery Mode</b>
Chandigarh	Punjab Engineering College	
<b>Eligibility</b>	 <b>Duration</b>	 <b>Type of Course</b>
Graduate Degree in Related Stream From Recognized University	2 Years	Post Graduate

Syllabus of Master of Technology (M.Tech.) Signal Processing

S.No	1st Year Syllabus of M.Tech. Signal Processing
1	Digital Logic Design
2	Digital IC Design
3	Digital Signal Processing
4	Microcontrollers and Applications
5	Technical Seminar

S.No	2nd Year Syllabus of M.Tech. Signal Processing
1	Digital Systems Laboratory
2	ASIC Design
3	Image and Video Processing
4	Advanced Digital Signal Processing
5	Embedded Systems
6	Project Work

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(PEC, Chandigarh) Highlights

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Courses	24

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