



**NITTTR  
BHOPAL**

# ASE-1/2025-2026

## Applied Science for Engineering Education

### 21-04-2025 to 25-04-2025

### NITTTR Bhopal



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## Rationale

Science is valued by society because the application of scientific knowledge and aptitude helps to satisfy many basic needs of humanity and improve living standards. The term applied science refers to using scientific knowledge for practical applications, such as a new invention based on an existing tool. The applied sciences are a general classification for the real-world application of scientific knowledge and research. It's a broad term encompassing many fields of study, from biology to engineering. Applied sciences are mostly used to solve problems and make systems and technology more efficient. For finding an amicable solution for almost all the problems of human beings, applications of science are important. Science is a key factor in driving the economic growth of any country. The application of science has been largely ignored but has enormous potential to address the challenges facing humanity today. This programme has been designed to provide an overview of applications of Science for engineering education & community development.

## Programme Outcomes

- Comprehend the need & importance of innovations & research in Applied Science
- Elaborate applications of Science Subjects in Engineering & Technology
- Carry out scientific solutions for societal and community development

## Programme Content

Importance and Philosophy of Science, Need & Importance of innovations & research in Applied Science, Strategies for enhancing the use of science and latest technologies, applications of Science Subjects in Engineering & Technology, Industrial Mathematics & Mathematics for real-life problems Real life applications of Mathematics tools. Global environmental & energy issues, Green technologies for sustainable development

## Target Group

Faculty of Applied Science

## Coordinator & Co-Faculty

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