

**AICTE SPONSORED ONE WEEK
ONLINE SHORT TERM TRAINING PROGRAMME**
ON
APPLIED COMPUTING



14 - 18 JUNE, 2021

ORGANIZED BY
**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, ESTABLISHED IN 1957) GWALIOR,
M.P. 474005



www.mitsgwalior.in

REGISTRATION LINK

<https://forms.gle/ZRLXp58B2nLSxBo58>

PATRON

Dr. R. K. Pandit

Director
MITS Gwalior

CONVENER

Dr. Manish Dixit

Professor & Head,
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PROGRAMME COORDINATOR

Dr. R. S. Jadon

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and

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Ms. Aishwarya

Asst. Prof., Dept. of CSE

Ms. Hemlata Arya

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ELIGIBILITY

Only **Faculty members** of relevant discipline of degree level technical Institution/ Universities approved by AICTE are eligible to attend the STTP.

FOR ANY QUERIES PLEASE CONTACT:

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ABOUT STTP

Applied computing uses the practical application of computer principles, concepts and technologies to address real-world complications. It practices features of computer science to solve problems in various disciplines, counting politics, business, education and the environment. Working in the field of applied computing, one can likely use a range of programming, software engineering, graphic applications, networking and operating systems management skills to gather, investigate, store and distribute information that will help resolve issues for individuals, groups and companies. Positions that require applied computing knowledge generally involve maintaining computer systems or developing computer software or applications.

OBJECTIVE OF STTP

The objective of this programme is to apprise the faculty with recent updates in the field with researches and technologies. It aims at providing in-depth knowledge and fields of interest like Android-App development, Applying machine learning, Mobile Technology, Security, Data Integration, Communication, Project Management, etc.

STTP CONTENTS

The STTP will focus on following topics:

- Introduction to applied computing.
- Machine learning linear models.
- Secure Multi-party communication.
- Soft computing to Quantum computing.
- Data Science and Data Analytics.
- Data mining and machine learning.
- Association rule discovery opportunities and challenges

STTP OUTCOMES

- It helps the faculties to open the research areas in the field of Applied Computing. They also acknowledge themselves with skills of critical thinking, analysis, problem solving.
- A working understanding of the characteristics and limitations of applied computing.
- The ability to develop applications that demonstrate current practice in applied computing.
- A comprehension and appreciation of the design and development of context-aware solutions for applied computing.
- An awareness of professional and ethical issues, in particular those relating to security and privacy of user data and user behavior.

RESOURCE PERSONS

The Resource Persons for the STTP will be Eminent Professors and experts from IITs, IIITs, NITs, and other esteemed institutions.

PLEASE NOTE

The number of participants is limited. The interested candidate needs to apply online using registration link (on or before **10th June, 2021**). Shortlisting of participants will be on **First Come First Serve** basis. The shortlisted candidates will be informed via E-mail. E-certificates will be given to all the participants on successful completion of STTP.

REGISTRATION FEE

There will be no registration fee for the participants from AICTE recognized Institutions.

ABOUT THE DEPARTMENT

VISION OF THE DEPARTMENT:

- To create professionally competent and socially responsible technocrats with latest knowledge and innovative ideas to uplift the academia, industry and society.

MISSION OF THE DEPARTMENT:

- To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and practical exposure on latest tools and technologies.
- To provide environment & opportunity for students to bring out their inherent talents for their overall development through training programs, workshops, projects and internships.
- To promote innovative research in Computer Science and Engineering and interdisciplinary domains to cater the needs of the Government, Industry and Society.
- To Educate and nurture entrepreneurial and ethical values through guidance and support.

The department of CSE has an excellent & rich history and an outstanding record of contributions to the profession and community. The department is well recognized for excellence in facilities and teaching. The Department offers UG, PG and Ph.D. Programmes in Computer Science & Engineering. The Department has a comprehensive curriculum on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning. The course structure is up-to date and includes courses on emerging topics to equip our students with the latest developments in Computer Science and Engineering. The Department has state-of-the-art infrastructure and computing equipment supported by high speed Ethernet and wireless networks. Our faculty members aim at delivering top class education blending their rich research experience with classroom teaching.