

**Department of Mathematics,
M.D. University, Rohtak (Haryana), India.**

We are pleased to inform that Department of Mathematics, Maharshi Dayanand University Rohtak is organizing an AICTE Training And Learning (ATAL) Academy Sponsored 5-Days Online Faculty Development Program (FDP) on “Advanced Mathematical Techniques in Engineering and Technology” w.e.f. October 18- 22, 2021. The Mode of FDP is only through the Online Mode.

The Registration for the FDP is Free for maximum of total 200 Participants on first come first served basis and Participants for the FDP may be the Faculty member of the AICTE Approved Institutions, Research Scholars, PG Students, School Teachers, Participants from Government Organization and Industry. For the Registration, sign up through:

<https://www.aicte-india.org/atal>

The FDP flyer is attached for further details.

For any query, contact please:

Coordinator:

Dr Rajeev Kumar

Professor&Head

(Mob. No. 9896009959).

Organising Secretary

Dr Seema Mehra

Associate Professor

(Mob. No. 9729990436).



Department of Mathematics Maharshi Dayanand University Rohtak, Haryana

(NAAC Accredited-A+ Grade)

<http://www.mdurohtak.ac.in/>

Organizes

**ONE WEEK ONLINE FACULTY DEVELOPMENT
PROGRAMME (FDP)**

on

**ADVANCED MATHEMATICAL TECHNIQUES
IN ENGINEERING AND TECHNOLOGY**

Sponsored By

**AICTE Training And Learning
(ATAL) Academy**

October 18-22, 2021

Live Sessions from 10 AM to 4 PM

Register online at

<http://atalacademy.aicte-india.org/signup>



Scan the QR code to register!

ABOUT MAHARSHI DAYANAND UNIVERSITY ROHTAK

Maharshi Dayanand University, Rohtak named after a great social reformer “Swami Dayanandji” was established through an Act of Legislative Assembly of Haryana in the year 1976 with special objective. “To establish and incorporate a teaching cum affiliating University at Rohtak for the encouragement of interdisciplinary higher education and research. It is located 70 kms away from Delhi on NH-10 and is spread in 630 acres of land. During the last 42 years of its existence the University has achieved a remarkable degree of success in its expansion programmes, infrastructural developments and in academic excellence. The university has 12 different faculties with 38 University Teaching Departments in the campus running 159 academic programmes and it has- 284 institutions and colleges affiliated with an enrolment of about 2.5 lacs students. To know more about the university please visit www.mdurohtak.ac.in

ABOUT DEPARTMENT OF MATHEMATICS



The Department of Mathematics is one of the oldest departments of the M.D. University, Rohtak and was established in the year 1976 under Faculty of Physical Science. The Department is housed in an independent building having good infrastructural facilities with three Computer Labs, two Research Labs; NBHM funded departmental Library, a Seminar Hall and Wi-Fi Connectivity. Over the years, the department has made rapid strides in academics and at present it has more than 550 students distributed over several programs such as M.Sc. Mathematics, M.Sc. Mathematics with Computer Science, 5-Year integrated M.Sc. (Hons) Mathematics, M.Phil. and Ph.D. The department has 16 teachers and 9 supporting staff members. The Department of Mathematics has completed the level of DRS-I under Special Assistance Program for its excellent research and academic activities by UGC in 2017. The Department keeps on organizing conferences/ seminars frequently. Recently, Department of Mathematics organized an online International Conference on History and Development of Mathematics (ICHDM 2020) under the sponsorship of Haryana State Council for Science Innovation & Technology to Commemorate 133rd Birth Anniversary of Srinivasa Ramanujan on National Science Day, December 22, 2020.

ABOUT THE PROGRAMME

Department of Mathematics is organizing one week Faculty Development Programme (FDP) on Advanced Mathematical Techniques in Engineering and Technology. The aim of this workshop is to discuss various aspects of Advance Mathematical Techniques in Engineering & Technology. Few important topics that will be covered in this programme are:

- Computational Techniques in Engineering and Industries
- Mathematical Modeling in Engineering & Technology
- Advanced Mechanics of Solids
- Computational Fluid Dynamics
- Mathematical & Statistical Tools
- Optimization Techniques
- Operation Research Models
- Fuzzy Sets and Logic
- Information and Coding Theory
- Soft Computing and Computational Models
- Fractals & Chaos
- Finite Element Methods
- Machine Learning
- Information Technology
- Cyber Security
- Artificial Intelligence
- Computational Graph Theory

PEDAGOGY OF THE WORKSHOP

- The workshop is designed with highly interactive manner with experts. It is beneficial for Industrial Persons/Faculty to enhance their project Data analysis skill with live/practical examples from industry experts, professionals and academicians.
- The workshop is designed with moto to impart advance understanding in field of engineering and to learn the technique to handle the challenges of time overrun and cost overrun with using advanced mathematical tools. The course is so designed that it will encourage participants to share their real-life experience with statistical techniques practices and co-relate the learning with on ground practices.

RESOURCE PERSONS



Prof. R.K. Sharma
Indian Institute of Technology,
Delhi



Prof. Renu Chugh
Maharshi Dayanand University,
Rohtak



Prof. C.B. Gupta
The NorthCap University,
Gurugram 122018



Prof. C.K. Jaggi
University of Delhi,
Delhi



Prof. H.C. Taneja
Delhi Technical university,
Delhi



Prof. Jagdish Prashad
Amity University,
Jaipur



Prof. Sushil Tomar
Punjab University,
Chandigarh



Prof. Madhu Jain
Indian Institute of Technology,
Roorkee



Prof. Sangita Kansal
Delhi Technical University,
Delhi



Prof. Arni S.R. Srinivasa Rao
Augusta University,
Georgia, USA



Prof. Nesar Ahmad
T.M. Bhagalpur University,
Bhagalpur



Sh. Varun Upadhaya
Art of Living,
Bangalore



Prof. Manu Pratap
Dr. B.R. Ambedkar University,
Agra, U.P



Prof. Rajeev Kumar
Maharshi Dayanand University,
Rohtak

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The Faculty Members of the AICTE approved institutions, Research Scholars, PG Scholars, Participants from Government, Industry Bureaucrats /Technicians /Participants from Industry etc. and Staff of host institution.

Register and apply through :

<http://www.aicte-india.org/atal>

<http://atalacademy.aicte-india.org/signup>

COURSE FEE

There is no registration fee for eligible participants. Registration accepted will be on first come first serve basis. The maximum of 200 participants are permissible for the workshop.

TEST AND CERTIFICATE

A test will be conducted by the coordinator at the end of the program, and the certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test, and submitted feedback form. E-certificate will be provided after successful completion of FDP.

ORGANIZING COMMITTEE

Chief Patron

Prof. Rajbir Singh
Vice-Chancellor, M.D. University, Rohtak

Patrons

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