



MAHARSHI DAYANAND UNIVERSITY, ROHTAK

(NAAC Accredited 'A+' Grade State University)

One Week Online Workshop

on

Research Methodology for Physical Sciences and Engineering

Date: May 11, 2020 To May 17, 2020

Venue: MDU WEBEX PLATFORM

Patron

Prof. Rajbir Singh

Vice-Chancellor

Workshop Director

Prof. Nina Singh

Dean, Academic and Director,
Chaudhary Ranbir Singh Institute of
Social & Economic Change

Workshop Convener

Prof. A.S. Maan

Dean, Faculty of Physical Sciences

Workshop Co-Ordinator

Prof. Rajender Singh Chhillar

Head, Department of Computer
Science & Applications

In collaboration with Ch. Ranbir Singh Institute of Social and Economic Change, Departments of Computer Science & Applications, Chemistry, Mathematics, Physics under Faculty of Physical Sciences and UIET under Faculty of Engineering & Technology are organizing One Week online Workshop on "Research Methodology for Physical Sciences and Engineering" during May 11-17,2020 for their Ph.D and M.Phil students. This workshop is mandatory for Ph.D and M.Phil students of these Departments/Institute who are to be registered in the session 2019-2020 as per ordinance of these courses. However, this workshop can also be attended by already registered Ph.D and M.Phil students of these Departments/ Institute. In addition to MDU students, Ph.D and M.Phil students of concerned faculties of J.C. Bose University of Science and Technology, YMCA, Faridabad will also attend this workshop. All students will get the certificate who will attend this workshop all the days.

List of Topics

- Research/Scientific Writing
- Types of Data, Data collection and Analysis
- Data Fitting and its Applications
- Objectives and significance of Research
- Formulation of Research Proposal and Objectives
- Research Ethics, copy right and Plagiarism
- Types of Research Designs
- Curve Fitting, Statistical tools and various Tests
- Data Storage, Analysis and Big Data Analytics
- Data Analysis Tools
- MATLAB and its role in Research
- SPSS and its applications in Research
- MS-Office and its applications
- Internet & Web Programming
- Sampling and its role in Research
- AI and Machine Learning and their role in Research
- Flip classroom Teaching
- Digital Learning and e-Resources
- IoT and its applications in Research
- Role of Software and Computers in Research
- Queuing Theory
- Reliability Engineering
- Information Theory and Graph Theory
- Network Security
- Statistical Inference
- Theoretical Seismology and Fluid Dynamics
- Non-linear Functional Analysis and Fuzzy Mathematics

The Workshop will commence at 09:30 AM on 11th May 2020.

E-mail: workshop11520@gmail.com

Website: www.mdu.ac.in

For registration follow the link: <https://forms.gle/jVmX4CpJkD86t33F9>