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Department of Instrumentation

Dept. of Chemistry

Dept. of Mathematics

Dept. of Statistics and Operational Research

Dept. of Geophysics

Dept. of Electronic Science

Dept. of Geography

Dept. of Geology

Department of Computer Science and Applications

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Department of Mathematics

DEPARTMENT OF MATHEMATICS, K.U. KURUKSHETRA

(Established by the State Legislature Act XII of 1956)

Introduction

Department of Mathematics came into existence in the year 1961. Prof. S.D. Chopra was the founder Head of the Department. Since then the Department has made a commendable progress in teaching and research in various branches of Mathematics. It has earned National & International recognition in research in the fields of Mechanics of Solids, Elasticity, Theoretical Seismology, Analysis and Algebra.

The Department has active groups of researcher consisting of teachers and research scholars in Pure and Applied Mathematics. The Department has produced about 100 Ph.D. students who got placement at respectable positions in teaching, research and administrative organizations.

The Department has organized number of Seminars/Symposia conferences with the help of funding agencies like UGC, DST and Others. The Department has also organized summer schools. Number of Research projects funded by UGC/CSIR/DST/NBHM has been completed successfully in the department.

The Department has been supported by the DST under FIST Scheme. The Department gets special assistance from National Board of Higher Mathematics, TIFR, Mumbai for the purchase of books being a Centre of recognition at a National Level.

Vision

To be recognized as a 'Centre of Excellence' for learning, teaching and research in Mathematical Sciences.

Mission

To prepare a class of students, with deep and clear understanding of the subject, who can exhibit their knowledge of Mathematics as future teachers, researchers and professionals towards the advancement of the scientific world.

Department Profile-:

Faculty of the Department-:

The Department has 6 faculty members, four are Professors, two are Associate Professors. The qualification and specialization is listed below: -

| ; | Sr. No. | Name of the Faculty | Area of Specialization | Qualifications | E-mail | Phone No. | | |
|---|---------|------------------------------|-------------------------------------|---------------------------------|-----------------------|--------------|--|--|
| | 1. | Prof. M.D. Sharma | Applied Mathematics | M.Sc., M.Phil, Ph.D., MNASc. | mdsharma@kuk.ac.in | 01744-238612 | | |
| | 2. | Prof. Anil Kumar Vashisth | Applied Mathematics, Poromechanics, | M.Sc., M.Phil, Ph.D. | akvashishth@kuk.ac.in | 9416191876 | | |

Kurukshetra University :: Kurukshetra

Theoratical Seismology

Functional Analysis

Duration

| 23, 11:46 AM | | |
|--|---------|----------|
| Online Examination Form (Regular Students) | | |
| Online Examination Form (Private Students) | 3. | Prof. V |
| Re-evaluation Results | 3. | Kumar |
| Directorate of Sports | 4. | Mr. Da |
| Anti Ragging Cell | | IVII. Da |
| Academic Calender | 5. | Mrs. S |
| KU - Webmail Login | | |
| Distance Education | | o |
| Colleges and Schools | Courses | Offered |
| Tender Notices/Auction Notices | Sr. No. | Cou |
| Budget Estimates | 1. | M.S |
| Annual Report | | IVI.O |
| Mandatory Disclosures | 2. | M.P |
| Academic Council Agenda | 3. | Ph.[|
| NIRF | | |
| Rooms Booking - University Guest House | NUMBER | OF STU |
| IQAC | Classes | |

| 1. | M.Sc. (Maths) | 2 years | 150 in M.Sc. (P) 150 in M.Sc. (F) | Semester System |
|----|-----------------|-----------|--------------------------------------|-----------------|
| 2. | M.Phil. (Maths) | 1 year | 10 | Annual |
| 3. | Ph.D. (Maths) | 3-6 years | Decided year wise | - |

M.Sc., M.Phil, Ph.D.

M.Sc.

M.Sc., M.Phil.

No. of Seats

vinodk bhj@rediffmail.com 9416137196

Scheme of Examination

9468180517

9896317801

d.singh1729@gmail.com

sdevimath85@gmail.com

BER OF STUDENTS ENROLLED

Prof. Vinod

Kumar Bhardwaj

Mr. Dalbir Singh

Mrs. Sumitra

Courses

| Classes | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|-----------|---------|---------|---------|---------|---------|
| M.Sc. (P) | 144 | 144 | 146 | 146 | 148 |
| M.Sc. (F) | 132 | 134 | 136 | 143 | 136 |
| M.Phil. | 06 | 05 | 03 | 04 | 03 |
| Ph.D. | 01 | 02 | 03 | 02 | 00 |

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More...

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Notification for Admissions to Ph.D. Programme Notification for Admissions to Ph.D. Programme

Notification regarding post of Director, Physical

Fee Payment Verification

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for the post of Director, Physical Education & Sports and Principal, University Senior Secondary.. (N-28): Notification regarding Recruitment Portal, for the post of Director, Physical Education..

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FACILITIES:

TEACHING AND RESEARCH LABS

Department of Mathematics has two computing labs for M.Sc. Students and one Research Lab for Research Scholars. In the Teaching labs, the student of M.Sc. Mathematics 1st to 4th Semesters get training for computational techniques in the 'C' (ANSI Features) and FORTRAN 95 Programming Languages and in the MATLAB Software. In the Research Lab of the Department two servers, IBM x 3650 Server (24) RACK-XEON-5460 and HCL INFINITI Global Line 2700 BD 2 Server XEON Dual Processor, are available for high end computing. Licensed softwares of MATHCAD & MATLAB are made available to research scholars and teachers in the Research Lab.

Departmental Library

The Department has a spacious well stocked Library having more than 11,000 books and 7000 journals. The Department gets an annual grant for the purchase of books and journals from National Board of Higher Mathematics. The grant received last year was Rs.4,50,000/-. Access to the numerous journals is being provided through InfonetProgramme of UGC INFLIBNET.

·Kev Research Areas

The Department is a known centre of research in Applied Mathematics, Mechanics of Solids, Theoretical Seismology & Pure Mathematics.

The major Thrust Areas in Applied Mathematics are: -

- Thermo-Elasticity.
- · Poro-Mechanics.
- Peizo-electric materials.
- Modeling of Earth structures.
- Numerical solutions of non-linear Differential Equations.

The Thrust areas in Pure Mathematics are:

- Algebra; Group Theory; Grouprings.
- Functional Analysis; Sequence Spaces; Statistical Convergence.

Major Achievements/Strong Points of the Department

The Department of Mathematics, Kurukshetra University, Kurukshetrahasbeen distinct centre of learning in Mathematics in both the fields of Pure & Applied Mathematics. It has earned a good reputation at the National Level for its contribution to teaching and research in different branches of Mathematics.

- 135 Research Papers have been published in the last five years in International and National Journals of very high impact factor
- About 35 students of the Department have cleared NET/JRF Examination in the last five years.
- . No. of Ph.D. Awarded in last five years are 9
- No. of M.Phil. Awarded in last five years are 40
- No. of students pursuing the Ph.D. Course are 14
- Placement of the students after passing out from the Department has been most satisfactory. Many good students have become Asstt. Professors in teaching institutes. Some of the students have also been selected for the posts of absorbed as scientists in research organizations. The Department has its Placement Cell also.
- Some faculty members of the Department have been on the panels of expert/ visiting fellows/visiting professors of reputed Universities/Institutes. They are also on the panel of reviewers/referees of some International reputed journals.
- In addition to the exhaustive teaching, the teachers are equally inclined to pursue their research activities. This is reflected in the number of publications and the repute of the Journal in which they are published.

Future Plans of the Department

The Future plans of the Department of Mathematics are as follows: -

- To organize one National Conference on Mathematics and its Applications.
- . To improve the faculty strength.
- To get the Special Assistance Programme (SAP)of the UGC & FIST Programmed of the DST.
- To organize a SERC Summer School on Advances in Mechanics of Solids.
- To enhance the placements of the students of the Department.
- To organize one International Conference.
- To start an annual programme of meeting of Mathematics Olympiad qualifiers from the state of Haryana with the aspirants from the different schools for inspiring and motivating them.
- To extend and strengthen=
- The ongoing research activities in the Department and to get research projects from UGC & DST.
- To continue the existing policy of modifications of curriculum in accordance with the latest developments and to include new
 papers on emerging areas of Industrial Mathematics, Mathematics for Finance, Bio-Mathematic and Micro & Nano
 Mechanics etc.

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