ADVISORY COMMITTEE

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Vice Chancellor, Banasthali University

Prof. S.B. Rao
Ex-Director, C.R. Rao institute, Hyderabad

Prof. B. K. Dass
Delhi University, New Delhi

Prof. Peeyush Chandra
IIT, Kanpur

Prof. Umesh Singh
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Dr. Gulab Singh, Dr.Naresh , Ms.Gargi Tyagi,
Dr. Shinu, Ms. Geetanjali Sharma, Ms.Usha Sharma

IMPORTANT DATES

Registration Deadline: Oct. 15, 2012

Announcement of final list of participants: Oct. 20, 2012

There is no registration fee. The selected participants will be informed by mail/phone/fax. They will be reimbursed (AC-3 tier) train/bus fare to and from Banasthali and will be provided free lodging and boarding at Banasthali University.

The completed registration form should be posted to:

The Coordinator
National Workshop on
Recent Trends in Bio- Mathematics & Statistics
Centre for Mathematical Sciences (CMS)
Apaji Institute of Mathematics and Applied Computer Technology
Banasthali University-304022 Rajasthan
Phone: (01438) 228647/48 Fax: (01438) 228649
Mobile : +91-9352141484, 9352141485

Or

It can be mailed at **rtbms.cms@gmail.com** (Be careful about the dot in e-mail address for correspondence)

(Registration form can be downloaded from the university website **www.banasthali.org**)

Contact:
AIM & ACT
Banasthali University
Banasthali (Rajasthan) 304022
Phone: (01438) 228647/48 Fax: (01438) 228649
Email: rtbms.cms@gmail.com

How to reach Banasthali University:
Banasthali is located 72 km from Jaipur, 8 km off on Jaipur Kota road. Frequent bus service is available for Banasthali University campus/Newai from main Bus Stand (Sindhi Camp) Jaipur. Newai is 10 km from Banasthali. Conveyance is available at Banasthali Newai (WR, Jaipur Kota Broad-guage Line) Railway Station. Jaipur (Sanganer) Airport is 65 kms from Banasthali.

URL-http://www.banasthali.org

National Workshop on RECENT TRENDS IN BIO-MATHEMATICS & STATISTICS

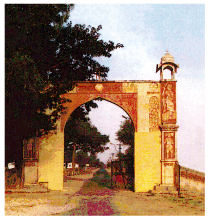
November 02-05, 2012

Sponsored by
Department of Science & Technology
Government of India, New Delhi

Organized by
Centre for Mathematical Sciences (CMS)
Apaji Institute of Mathematics & Applied Computer Technology

Banasthali University
Banasthali - 304022 (Rajasthan)

University for women: University with a difference



Banasthali University

University for women: University with a difference

Banasthali University, for women education is a unique university, which offers an integrated system extending from the primary to the Ph.D. level. It was founded on October 6, 1935 and attained deemed to be university status on October 25, 1983.

The University aims at the synthesis of spiritual values of the east and scientific achievements of the west. It develops all round personality of its students through its five fold education programme. Considering its relatively short existence as a University, the institution has made phenomenal progress. At present, it has around 27 teaching departments offering 100 courses, over 550 teachers and nearly 10,000 students. The institution offers several programmes in the emerging areas, which include advanced courses at undergraduate and postgraduate levels in Management, Biotechnology, Computer Science, Information Technology, Mathematical Sciences, and Electronics, besides the traditional courses in Humanities, Social Sciences, Home Science, Education and Fine Arts.

Apaji Institute of Mathematics and Applied Computer Technology (AIM & ACT) was founded in 1999 with the objective of achieving synergy between teaching and research in Computer Science, Electronics, Mathematics, and Statistics. Physics, Bio-informatics and Information Technology have been also added to this list later.

In this short span of about thirteen years, Apaji Institute with its world-class infrastructure and education programmes has earned the reputation of one of the best centre of teaching and research not only in the state but also in India. The students get placement in all leading companies and organizations. Many of them have gone abroad for higher education and research.

One of the strong points of Apaji Institute is to infuse logical abilities and abstract thinking in its students by integrating learning of Mathematics in all its programmes. The ambitious programme of M.Sc. (Mathematical Science) was designed with inputs from leading experts from IIT's, IISc and TIFR and offers several specializations such as Theoretical Computer Science, Statistics and Operation Research in addition to Pure and Applied Mathematics in the institute. Now M.Phil. programme in Mathematical Science has also been started to provide the required research orientation to the desirous students.

To motivate research, Department of Science and Technology Govt. of India have declared Banasthali University as the Centre for Mathematical Sciences (CMS) in November 2007. The five years of the establishment of the centre witnessed significant increase in the academic activities of the CMS. Centre has conducted many Workshops/Seminars/Training Programmes/Lecture series for the development of research in core areas of Mathematics and Statistics.

This year Centre for Mathematical Sciences has planned to conduct National Workshop on Recent Trends in Bio- Mathematics & Statistics to promote research in applied areas.

Centre for Mathematical Sciences

National Workshop on RECENT TRENDS IN BIO- MATHEMATICS & STATISTICS

Biomathematics comprises of mathematical models to help understand phenomena in biology. Modern experimental biology is very good at taking biological systems apart (at all levels of organization, from genome to global nutrient cycling), into components simple enough that their structure and function can be studied in isolation. And, Dynamic models are a way to put the pieces back together, with equations that represent the system's components, processes, and the structure of their interactions. Mathematical models are important tools in basic scientific research in many areas of biology, including physiology, ecology, evolution, toxicology, immunology, natural resource management, and conservation biology. Mathematical biology may sound like a narrow discipline, but it encompasses all of biology and virtually all of streams of Mathematical Sciences, including statistics, operations research, and scientific computing.

Biology is advancing at an unprecedented pace due to the emergence of high-throughput empirical methods, large-scale analysis, and increasing use of theoretical, computational and statistical models aimed at a more mechanistic understanding of biological phenomena. The research interests of this workshop ranges from basic to applied fields such as Mathematical and Statistical genetics, Mathematical physiology, theoretical biophysics, evolutionary and systems biology, molecular and medical imaging, oncology, clinical pharmacology and population sciences.

This workshop intends to bring together expert researchers from around the India to exchange ideas and share their research results about all aspects of Mathematical Biology and Biostatistics in general and the use of optimal control theory in biology and medicine in particular. This workshop also intends to promote and explore new collaborations among the national scientific community.

The tentative list of eminent speakers in the field is given below.

1.	Prof. Peeyush Chandra	IIT Kanpur
2.	Prof. B.V. Ratish Kumar	IIT Kanpur
3.	Prof. Malay Banerjee	IIT Kanpur
4.	Prof. Atanu Biswas	ISI Kolkata
5.	Prof. Arvind Pandey	NIMS New Delhi
6.	Prof. C.M.Pandey	SGPGIMS Lucknow
7.	Prof. P.G. Sidheshwar	Bangalore University Bengaluru
8.	Prof. V.P.Saxena	SIRTS Bhopal