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## International Conference On Recent Advances in Mathemaical Sciences and Applications

( December 24-26, 2013)  
 ICRAMSA-2013

**Organised By**

Department of Applied Mathematics  
 (University Institute of Technology)  
 Rajiv Gandhi Proudhyogiki Vishwavidyalaya,  
 Airport By-Pass Road, Gandhi Nagar,  
 Bhopal, (M.P.),India, 462033

&

*Madhya Pradesh Ganita Parishad, Bhopal, India*

**(Applied for grant-in- aid to)**



## About University

The Rajiv Gandhi Proudlyogiki Vishwavidyalaya (State Technological University of M.P.), was, established in 1998 by Madhya Pradesh Vidhan Sabha Act 13, 1998., RGPV, spread over a sprawling campus of area about 250 acres, envisions to facilitate and nurture the quality of technical education, research and innovations in its own premises as well as all affiliating institutions. RGPV currently affiliates 212 Engineering colleges, 99 colleges of Pharmacy, 97 MCA institutions and 05 colleges of Architecture in addition to 92 Polytechnics. RGPV has introduced a research culture and is promoting industry-institute partnership for resolving industrial problems and transfer of technology to industry.

## University Institute of Technology

UIT-RGPV is one of the premier engineering institution in central India. The institute was established in the year 1986 by the Government of Madhya Pradesh as the Government Engineering College. In 1998 the Government of Madhya Pradesh declared it autonomous and named as Bhopal Engineering College. This institute was declared a constituent college of Rajiv Gandhi Proudlyogiki Vishwavidyalaya in 2002 by an order of Government of Madhya Pradesh and presently known as University Institute of Technology, RGPV.

## Department of Applied Mathematics

The Department of Applied Mathematics was established with the aim to impart teaching engineering mathematics courses to undergraduate and postgraduate students of various engineering streams in order to enable young technocrats to acquire mathematical thinking of formulating, analyzing and solving a wide range of practical problems appearing in engineering sciences. Over the years, the department has made a rapid progress in teaching a number of courses and research work in some frontal areas. In addition to above, the department also offers a 2 years M. Sc. Program in Applied Mathematics. At present, faculty members of the department are actively engaged in quality teaching as well as in research activities in the areas of Special Functions, Graph Theory, Differential Geometry, Operations Research, Mathematical Modeling and Simulation

## About the Conference

One of the main objective of the conference is to provide a common platform for academicians and researchers from various disciplines of mathematics and its application including statistics, mathematical physics, Computer science, Operations Research and macro and micro Economic analysis, to interact with each other and share their ideas. The conference will be followed by the two symposiums in the memory of Late Dr. M. L. Mishra, former Professor, Department of Mathematics, University of

Saugar and Late Dr. R.D. Agrawal, former Professor, Department of Mathematics, SATI, Vidisha. Both are known as committed researchers and inspiring teachers. The conference also aims to highlight the pioneering research work done by them.

## Topics to be covered

In particular, the conference includes following topics but not limited to:

Algebra, Analysis, Topology, Differential Equations, Graph Theory, Special Function, Complex Analysis, Application of Mathematics in Antiquity and Medieval Period, Fluid Mechanics and its Applications, Theory of Heat Transfer, Group Theory, Quantum Mechanics and Quantum Plasma, Theory of Relativity and its Applications, Computer Science and Mathematical Models, Information Technology and its Applications, Mathematical Models and Harmonic Analysis, Wavelet Analysis and Its Applications, Astronomy, Space travels and Their Applications, Bio-Mathematics.

Research papers in all other relevant area will also be welcomed.

## Call for papers

Original research papers are invited for presentation in the conference. The interested participants may send the abstract of their research papers (typed in MS-Word, not exceeding 300 words) by e-mail to the coordinator at icramsa2013@rgtu.net. Also, the manuscript of their full paper in a CD is to be submitted to the convener on the day of the conference.

**Last date for the submission of abstract: 15 September, 2013.**

## Local Hospitality

All the registered participants will be provided free conference kit, breakfast, lunch dinner and tea/coffee at the venue during the conference. Lodging and boarding for outstation participants will be arranged in the University guest house/ hostels based on availability. Those interested in city hostels on actual payment basis may ask for arrangement in advance. Cultural programmes and sight-seeing tours will be arranged to nearby places.

## Travel

Participants should arrange for travel expenses from their own resources. However, the organizing committee may provide travel expenses for a limited number of participants depending upon limited number of participants depending upon the availability of funds.

## Registration fee

	Indian	Foreign
Delegates from Industry	Rs. 3000/-	USD 300/-
Delegates from Institutions	Rs. 2000/-	USD 200/-
Students	Rs. 1000/-	USD 100/-

Registration is compulsory for all the participants. The registration fee will be accepted in the form of demand draft drawn in favour of

the 'RGPV ICRAMSA' payable at Bhopal. The participants from outside India can also pay registration fee through bank transfer method. The details are given in the website <http://www.rgpv.ac.in>. Registration should be made upto 31-10-2013. Late fee after this date is RS. 500/- for Indian and USD 50/- for foreign participants.

## Important Dates

**Abstract submission: up to 15 September, 2013**  
**Paper Acceptance Notification: up to 30 /09/2013**  
**Registration:**  
(I) Paper presentation : **up to 31/10/2013**  
(ii) Participation: **up to 31/10/2013**

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## Venue of the conference:

Department of Applied Mathematics,  
University Institute of Technology,  
Rajiv Gandhi Proudlyogiki Vishwavidyalaya,  
Airport By-Pass Road, Gandhi Nagar, Bhopal (M. P.)  
Venue is 10-12 km away from Bhopal main railway station (bus stand which is near by main railway station) and 3 km. from airport and is well connected from both the places by regular bus and taxi services.

## About City

Bhopal, the capital of Madhya Pradesh, is known as "city of lakes" for its various natural as well as artificial lakes and is one of the greenest cities in India. The city is an important economic, industrial, educational and political center of the State as well as Central India and houses various institutions and installations of state as well as some of national importance. Apart from this, the city has immense archaeological, historical and political importance attached to it. The Bhopal city is very well connected via railway, road and air transportation services. Bhopal has a domestic airport with good amenities that connects it directly to Delhi Mumbai Indore Ahmedabad and Hyderabad. The climate of the city in December is pleasant with temperature ranging between 12°C to 25°C.