LOCAL ADMINISTRATIVE COMMITTEE

Dr. Chandni Kriplani Mr. Rajiv David, Mr. Ashwani Lata

Mr. Amit Gupta Mr. Mohit Sharma Mr. Simranieet Sudan

Dr. Rakesh Gupta Ms. Monica Bansal Ms. Chitra Chablani

Mr. Kamal Karamwani Mr. Prafull Dubey

Ms. Sudha Jain

Proctor in Chief, PF Warden in Chief, PF Chief-Proctor, Poornima University Assistant Registrar, Poornima University Proctor, Poornima University Assistant Professor, Poornima University Assistant Professor, Poornima University Assistant Professor, Poornima University OSD. Poornima University Network Administrator, Poornima University

Chief Warden (Girls), PF

Registrar, PU

ABOUT JAIPUR

The famous city of Jaipur (India) is the capital of Rajasthan State and known as the "Pink City" with beautiful palaces, havelis and forts Jaipur was built in the year 1727 and is located at a distance of 260 km from New Delhi. It forms a part of the Golden Triangle tourist circuit along with Agra (240 km). It is

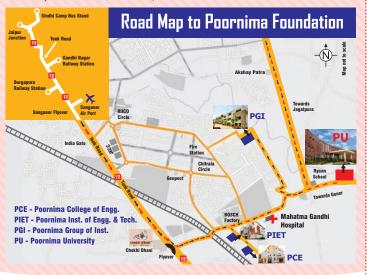


well connected by air, rail and road. Jaipur is predominantly known for its musicians, artisans, craftsmen and fairs and festivals. It has attractive monuments where one can breathe the fragrance of history. Comfortable and luxurious hotels, once the pride of kings, parks, gardens, and excursions of nearby places of interest, make Jaipur a tourist's paradise.

The winter months of Jaipur from November to February are mild and pleasant, with average temperatures ranging from 10-15 °C (50-59 °F) and with little or no humidity.

HOW TO REACH CONFERENCE VENUE

Poornima University is situated in Sitapura, the education hub of Jaipur and is located about 22 kms away from Main Sindhi Camp bus stand and 23 km from Jaipur Railway junction. It is 3 km away from Mahatma Gandhi Hospital.



INTERNATIONAL ADVISORS / EXPECTED SPEAKERS

(In Alphabetical Order)

Prof. (Dr.) A. K. Kulkarni, India Prof. A. M. Mathai, India Prof. Bhu Dev Sharma, India Prof. (Dr.) D. B. Gurung, Nepal Prof. (Dr.) Ebrahim Shirani, Iran Prof. (Dr.) H. M. Srivastava, Canada Prof. (Dr.) Hema Sharda, Australia Prof. J. B. Shukla, India Prof. J. Chattopadhyay, India

Prof. (Dr.) A. H. Siddiqi, Soudi Arabia

Prof. Aditya Shastri, India

Prof. (Dr.) Kailash C. Patidar, South Africa Prof. M. A. Pathan, India Prof. (Dr.) Milan Stehlik, Austria Prof. Peeyush Chandra, India Prof. (Dr.) Bal Swaroop Bhatt, West Indies Prof. (Dr.) Prakash J., Botsana, Africa Prof. Rattan K Dutta, India Prof. (Dr.) Ravi Kulkarni, USA Prof. (Dr.) R. C. Schroter, U.K. Prof. (Dr.) R. Raghavendra, Dubai Prof. S.B. Nimse, India Prof. (Dr.) T. J. Pedlev, UK Prof. Vinod P Saxena, India Prof. (Dr.) Zafar Aslan, Turkey

NATIONAL ADVISORS / EXPECTED SPEAKERS

Dr. A. K. Mathur Prof. A. P. Singh Dr. Anil Sharma Prof. Bholalshwar Prof. Baldev Singh Prof. D. C. Sharma

Prof. Karmeshu, India

Prof. D. S. Chauhan Prof. D. S. Hooda Prof. G. C. Sharma Prof. G. C. Tikkiwal Prof. J. L. Bansal

Prof. Jagdish Prasad

Prof. K. C. Deshmukh Prof. R. K. Saxena Prof. K. C. Gupta Dr. R. N. Jat Prof. K. C. Jain Prof. Rai Bali Dr. K. N. Singh Prof. Rashmi Jain Prof. K. R. Pardasani Prof. Renu Jain Prof. Khalil Ahmed Prof. S. P. Goyal Prof. M. N. Mehta Prof. Sarla Pareek Prof. Sivraj Singh Pundir Prof. P. K. Banerjee Dr. S. C. Sharma Prof. P. R. Sharma Dr. Paresh Vyas Prof. T.C. Panda Prof. P. Chaturani Dr. Vatsala Mathur Prof. R. C. Chaudhary

POORNIMA FOUNDATION ADVISORY COMMITTEE

Mr. Hari Singh Shekhawat Mr. M. K. M. Shah Dr. Rakesh Duggal Dr. Om Prakash Sharma Dr. Ajay Kumar Bansal Mr. Rahul Singhi Mrs. Renu Singhi Mr. Naresh Chandra Nakra Dr. Gunian Mathur Mr. C.R. Kothari Dr. Priti Kaushik Ms. Shikha Gautam Ms. Vivek Gupta Mr. Ashwani Kapoor Mr. Hari Om Gujar Mr. Gaurav Soni Mr. Yash Pratap Singh Ms. Shalini Srivastava Ms. Jitendra Sharma Ms. Shikha Singh

Director (Infra) PF Director (Admin. & Fin.), PF

TECHNICAL PROGRAM COMMITTEE

Dr. Abha Singhal Subodh PG College Dr. Abhay Kumar Jha JECRC Dr. Alka Sharma MNIT Dr. Amber Srivastava SKIT

Mr. Sudhir Mathur Mr. Daria Singh Acharya Dr. Hari Singh Parihar Dr. Jugal Kishore Prajapat

Director, PGI Director, PCE Director, PIET Assistant Director, PF Advisor (PAA), PF Dean, SPA & SOD, PU Dean, SOM & SOC, PU Chief Account Officer, PU HOD, First Year, PU HOD, CE, PU HOD, CIVIL, PU HOD, ME, PU HOD, MBA, PU HOD, EE, PU HOD, SPA, PU HOD, iNurture, PU HOD, BFA, PU HOD, SOD, PU

FSAI, Raj.

ISTE, Raj

CURAJ

CURAJ

Mr. R. S. Saxena ISLE, RSC Ms. Deepika Kumari Agarwal PCE Dr. Ritu Agrawal PCE Mr. Amarjeet Bharti Dr. Rohit Mukheriee SKIT Mr. Ashwani Upadhyay PCE Dr. Priya Mathur PIET Dr. Trilok Mathur Bits Pilani PIET Dr. Chanchal Jain Mr. Ashok Kumar Mr. Shiv Shanker Gard PU Mr. Sunil Kumar Yaday PIET Dr. Shuchi Dave PCE Mr. Swapnil Jain PIET PGI Dr. Shilpi Jain PCE Ms. Tripti Mehta PGI Ms. Anu Arora PCE Ms. Priyank Pandey PCE Dr. Himanshu Rathore **ACCOMMODATION**

Mr. Gopal Krushna Panda

PCE

JECRC

Dr. R P Sharma

The participants/ delegates are requested to make their own arrangements for travel, boarding and lodging. However, the organizers shall provide all help and assistance to the delegates for getting suitable accommodation at nominal charges. The Hotel accommodation shall also be available on advance payment of hotel rent to the organizers before January 09, 2017. If any assistance is required, please contact: Mr. Mohit Sharma (08875666694).

REGISTRATION

The last date for submitting registration form along with requisite registration fee either by way of Demand Draft in favour of "Poornima University", payable at Jaipur (Raj.) or online in Bank of India, Account No.:665420110000009, Branch : Ramchandrapura Branch, Poornima University Campus, Plot No. IS-2027 to 2031, Th- Sanganer Distt. -Jaipur(Raj.)-303905, IFSC Code: BKID0006654, MICR Code: 302013019, Bank Code: 6654 is January 16, 2017.

CONTACT PERSON

Dr. Shilpi Saxena, Dean (SBA)

Organizing Chair, (AMSAET 2017), Contact: +91 -9414335718 shilpi.saxena@poornima.edu.in

E-mail: amsaet2017@poornima.edu.in

Venue

Seminar Hall, Ground Floor, Poornima University



(Estd. by Raj. State Leg. vide Act No. 16/2012 & Rec. under Sec. 22 (1) of UGC Act 1956)

IS-2027 to 2031, Ramchandrapura, P.O. Vidhani Vatika. Sitapura Extension, Jaipur-303 905 (Raj.) • Ph.: +91-141-6500250 E-mail: info@poornima.edu.in • www.poornima.edu.in

International Conference on Advances in Mathematical Sciences and

Applications in Engineering & Technology with

Symposium on Mathematical Modeling of Ecological. Environmental and Biological System [Reference - Arid Lands]

(AMSAET 2017)

January 27-29, 2017

In Association with

Gwalior Academy of Mathematical Sciences (GAMS)

(21th National Cum 5th International Conference of the Academy)



Technically Supported by



Raiasthan Academy o **Physical Sciences**



Indian Society of Lighting Engineers



Technical Education (ISTE)



Fire & Security **Association of India**

Organized by

Department of Mathematics



SAVE WATER SAVE FUEL SAVE ENERGY SAVE ENVIRONMENT SAVE LIFE **SAVE EARTH SAVE TREES** SAVE ELECTRICITY

POORNIMA UNIVERSITY

The University established in 2012, aims to achieve world class excellence in imparting knowledge, research and teaching, making invaluable contributions to the social, educational and economic development of the nation. The state of the art research facilities and modern amenities like well stocked libraries along with project centers create a conducive environment for teaching learning process. Poornima University is committed to bring about perceptible change in society with its innovative and equitable practices and systems.

Poornima University at a Glance:

- Awarded as "Best Upcoming University" by ASSOCHAM-2016
- Largest Group of Professional Education in Raiasthan
- Globally Accepted Credit and Grading system
- · Dynamic & Advance syllabus align with latest industry requirement
- · Campus recruitment training to ensure quality placements and success in
- · Students cracking TOEFL, GRE, GATE, CAT, IES every year.
- Excellent opportunity of learning in interdisciplinary environment
- Tutor/Mentor system, Self Help Group and Online Examination System
- Regular programs in association with IEEE, ISLE, IEE, ISHRAE, ISTE. NEN, CIL, RED HAT, NASSCOM etc.
- · Adopting a system of formative assessment and evaluation across the curriculum, based on application of knowledge, project and research work, in addition to term examinations
- Professional certification on PLC. PHP. Micro-Controller. Embedded systems, Robotics, JAVA, IBM DB2, .NET, Oracle, CAD/CAM etc. to enhance employability
- 60000+ books and 100+ international/national journals with e-library
- · Access to journals and research papers through DELNET, IEEE, NIMBUS, GREENR etc.
- · Opportunity of foreign internship for students
- · State-of-the-art infrastructure
- Wi-Fi enabled campus with 24/7 broadband internet access
- Excellent Hostel Facility for boys and girls separately

DEPARTMENT OF MATHEMATICS

Department of Mathematics is equipped with a team of qualified, competent, experienced and motivated faculty members who are specialists in their fields. The department has been engaged in both pure and applied mathematics. More than 75 papers have also been published in national and international journals. At present 5 scholars are working for their Ph. D. degree. The thrust areas of research are Operations Research, Special Functions, Mathematical Modeling, Fluid Mechanics, Graph Theory, Numerical Analysis.

GWALIOR ACADEMY OF MATHEMATICAL SCIENCES

The Gwalior Academy of Mathematical Sciences was launched in March 1994 by Professor Vinod P. Saxena as its founder President. Professor Karmeshu, Professor, School of Computer and Systems Sciences (SC&SS), JNU, New Delhi is the present President. Besides publishing 'GAMS Journal of Mathematical Biosciences', it holds annual conference every year, organizes workshops and other research level programs. So far four well attended International conferences had been organized by GAMS; 1st in 2008 at Agra "The city of Taj" and 2nd at Goa "The world famous tourist resort", the 3nd at Bhopal, "The city of Lakes" and 19th cum 4th International Conference of GAMS on Advances in Mathematical Modelling to Real world problem, at SVNIT, Surat. It has also co-sponsored "Fourth International Conference on Physiological Fluid Dynamics" in 1995 held at Jiwaji University, Gwalior.

International Conference on "Advances in Mathematical Sciences and Applications in Engineering & Technology (AMSAET 2017)" is being organized by Poornima University at Jaipur "Pink city" in association with Gwalior Academy of Mathematical Sciences (GAMS), which is also 21th National and 5th International conference of the Academy.

PREAMBLE

Mathematics is often described as the "Queen of the Sciences" and is certainly the basis for the drastic technological advances in recent years. It is also an art, with beautiful structures, theorems, and concepts. The Department of Mathematics, Poornima University thus taking an initiative again intends to host this international conference to showcase the diversity and impact of mathematical sciences and its applications in engineering & technology. This Global project is in continuation with the National conference held on the same topic previously, where successful discussions raised the need for organizing it on broader platform.

Mathematics can mark its omnipresence as the predecessor of scientific planning and development and thus with enormous scope in the states declared as 'Special category' and Rajasthan comprising of abundant arid lands is one of such state. These lands have been the site of notable advances in the social and economic development of the human race despite the rigor of the climate. The mystique associated with such regions fosters research that would allow the wise utilization of arid lands, regions that are vast and largely unoccupied, where extensive mineral deposits, picturesque landscapes, unpolluted air, a unique plant and animal life, abundant solar energy, and endless open spaces still exist.

One of the objectives of organizing this international conference is to focus further attention and need for research to many of the serious problems through its modelling that dwellers in the arid regions are facing. This modeling will assist the policy makers in making developmental decisions.

This is a great opportunity for people from business, industry, policy makers, government, academia and funding bodies to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Mathematical Sciences. Engineering and Applications.

This International conference will be jointly organized in association with Gwalior Academy of Mathematical Sciences, which is also the 21th National and 5th International conference of the Academy.

CONFERENCE TOPICS

- · Mathematical Modelling in Physical and · Machine learning, Data Biological Sciences
- Financial mathematics
- Modelling in Arid and Semi -arid Lands, Sand Dunes, Soil Erosion, migrations
- Industrial Mathematics
- · Mathematical Ecology, Agriculture, Life sciences, Environmental & Atmospheric sciences
- · Statistics, Operations Research, Environmental statistics
- Fluid Mechanics
- Numerical Analysis
- Discrete Mathematics & Graph theory
- Information Theory and Coding
- Bioinformatics

- Mining, Neural Networks and Artificial Intelligence
- Dynamical Systems
- Physiological Heat Transfer
- Fractional Calculus · Differential Equations and
- Special functions Fuzzy Mathematics
- · Fourier Series &Wavelet Transform
- Analysis and Applications
- Algebra and Applications
- Mathematical Education
 - · Other Relevant Topics of Mathematics

SUBMISSION OF PAPER

Intended participants are invited to submit abstracts not exceeding 250 words on A-4 size paper in double spacing by November 30, 2016. The authors of accepted abstracts shall be intimated of acceptance by December 05, 2016 and full length papers must be submitted by December 24, 2016 at amsaet2017@poornima.edu.in. The papers must contain work that has not been published and is not being simultaneously submitted elsewhere and they should be written in concise and consistent with communication of understanding of the subject. All papers submitted to the conference will be reviewed by the experts in relevant areas. Certificates will be provided to all registered presenters and participants.

PROCEEDINGS OF THE CONFERENCE

Papers passing the peer review process and presented at the conference will be sent to the Gwalior Academy of Mathematical Sciences & International Bulletin of Mathematical Research for publication as per condition laid down by the journal. Such full length papers will be published in the conference proceeding and therefore, need to be submitted as per the instruction given on website www.gamsgwalior.in. and http://journalibmr.org/. Referred papers will be published with appropriate publication charges from the authors in addition to the registration fee.

IMPORTANT DATES

Abstract submission November 3		
Notification of Acceptance of Abstracts	December 05, 2016	
Full paper submission	December 24, 2016	
Intimation for presentation of papers	January 04, 2017	
Registration	January 16, 2017	

REGISTRATION FEES

Delegate Type	Delegate Indian & SAARC Countries (Foreign) Participants	Registration (Upto January 16, 2017)	Late Registration (After January 16, 2017)
A	Faculty/ Academicians	3500 INR (300 \$)	4000 INR (350 \$)
В	Research Scholar (M. Tech/M. Phil/PhD)	3000 INR (250 \$)	3500 INR (300 \$)
С	Students (UG/PG)(No kit/No dinner, Only lunch & Certificate)	1000 INR (100 \$)	1500 INR (150\$).
D	Sponsored from Industry (Max. 2 Delegates)	12000 INR	14000 INR
Co-Author Full Registration		Above mentioned fee structure	
Co-Author Registration only for Certificate		1000 INR (100 \$)	

CHIEF PATRON

Dr. S. M. Seth

Chairperson, Poornima University & Chairman, Poornima Group of Colleges Former Director, NIH, Roorkee

PATRONS

Dr. K. K. S. Bhatia President, Poornima University

Mr. Shashikant Singhi Director General, Poornima Foundation

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Dr. Mahesh Bundele Dean (R & D), Poornima University

ORGANIZING CHAIR

Dr. Shilpi Saxena

Dean (SBA) & Head, Department of Mathematics, Poornima University

PROGRAM CHAIRS

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Prof., Dept. of EEE, PU Contact: +91-9450547267 arun.dwivedi@poornima.edu.in

Dr. Dipti Mathur Prof., Dept. of Chemistry (PU) Contact: +91-9460187235 dipti.mathur@poornima.edu.in

REGISTRATION FORM

International Conference on Advances in Mathematical Sciences and Applications in Engineering & Technology (AMSAET 2017)

January 27-29, 2017

In Association with

Gwalior Academy of Mathematical Sciences (GAMS)

(21th National Cum 5th International Conference of the Academy)

Delegate Type – (A/B/C/D) Indian/SAARC/Foreign Delegates Name (In block letters) Designation Organization Mailing Address Mobile No..... Email I wish to (Please tick where applicable) Present a Paper Participate Title of the Paper Authors (1) (2)..... Details of the DD* / Internet Banking No..... Issued by (Bank & Branch) Amount:

Signature of Participant *Demand Draft drawn in favor of "Poornima University". payable at Jaipur.

Mentioned in Registration Fee

SAVE EARTH SAVE WATER SAVE ENERGY SAVE ENVIRONMENT SAVE LIFE SAVE TREES **SAVE FUEL** SAVE ELECTRICITY