

1. A National Conference on “MATHEMATICS AND ITS APPLICATIONS IN SCIENCE & TECHNOLOGY (MAST16)” was Organized by Department of Mathematics, Guru Jambheshwar University of Science & Technology, Hisar during November 10-11, 2016. More than 120 participants including faculty members, research scholars and students participated and presented their research work in the Conference.

General Information

Limited accommodation is available. Interested participants may confirm in advance (upto 01.11.2016) from the organizers about their stay arrangements.

The participants/institutes shall bear TA/DA for attending the conference.

1. Important Rules

Deadline for submission of Paper: November 01, 16
Registration fee to be paid before: November 01, 16
Conference dates: November 09-10, 16

Paper Submission

Participants who are presenting paper in the conference are requested to email the soft copy of the manuscript in the MS Word format as prescribed, to mast16@gmail.com latest by November 01, 2016 (Please include the subject code of your paper for references).

2. Mode of Research Papers presentation (Any one).

- (i) Oral presentation
- (ii) Poster presentation

Time allotted is ten minutes for presentation and five minutes for queries.

General Outline for Manuscript

Figures, tables and photographs with their captions may be placed anywhere in the text. However, each paper should be organized as follows: Title, Author(s), Abstract, Text, Acknowledgement, Tables, figures and photographs (if not included in text), appendices (optional), references. Text of the manuscript should be in Times New Roman font with 12 font size and 1.25 inch margin on all sides of A4 size paper.

Conference Venue

Department of Mathematics, Teaching Block-3,
Guru Jambheshwar University of Science &
Technology, Hisar, 125001 (Haryana)

BOOK POST

To _____

From:
Organizing Secretary (MAST16)
DEPARTMENT OF MATHEMATICS
GURU JAMBHESHWAR UNIVERSITY
OF SCIENCE & TECHNOLOGY, HISAR-125001
Website: www.gjust.ac.in

NATIONAL CONFERENCE ON

MATHEMATICS AND ITS
APPLICATIONS IN SCIENCE &
TECHNOLOGY (MAST16)

November 10-11, 2016

Organized by

DEPARTMENT OF MATHEMATICS
GURU JAMBHESHWAR UNIVERSITY OF
SCIENCE & TECHNOLOGY, HISAR-125001

Website: www.gjust.ac.in

Contact Persons:

Prof. Kuldeep Bansal

(Co-Patron)

E-mail: profkbgju@gmail.com

Mobile: 09416498918, 01662-263167(O)

Prof. Sunita Pannu

(Convener)

E-mail: spannu_gju@yahoo.com

Mobile: 09466088796, 01662-263362(O)

Dr. Kapil Kumar

(Organizing Secretary)

E-

mail:kapilkalkal_gju@rediffmail.com

Mobile: 09416303875, 01662-263367(O)

Dr. Pankaj Kumar

(Organizing Secretary)

E-mail: joshipankajkumar@gmail.com

Mobile: 09416478023, 01662-263388(O)

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Mr. Sandeep Singh

About the University

The Guru Jambheshwar University of Science & Technology, Hisar, was established on October 20, 1995 by an Act of the Legislature of the State of Haryana with the objectives 'to facilitate and promote studies and research in emerging areas of higher education with focus on new frontiers of technology, Pharmacy, environmental studies, non-conventional energy sources and management studies and also to achieve excellence in these and connected fields.

The University has been accredited 'A' Grade by National Assessment and Accreditation Council (NAAC), in 2002 and has been re-accredited as grade 'A' with (CGPA 3.26), in 2009. Thereafter, the University has also has been re-accredited third time as "A" Grade with (CGPA 3.28) by NAAC, Bangalore for a period of five years from 10.12.2014 to 09.12.2019.

Further, fifteen Colleges/Institutes of Engineering and Management are affiliated to this University and they are offering B.Tech., MBA, BBA, MCA, BCA, B.Arch., M. Arch. programmes.

Location

The University is situated at Hisar, a rapidly growing town situated at about 166 Kms. from Delhi on Delhi-Rohatak-Hisar-Sirsa-Fazilka National Highway (NH-10) and at a distance of about 230 Kms. from Chandigarh on NH-65. It is well connected by rail and road.

About the Department

Dept. is working with a vision "To excel in Applications of Mathematics in Science & Engineering with essentiality of the subject for modern world." The vibrant academic environment of the department is nurtured by strongly motivated faculty and students. The Department offers courses for the Dual degree B.Sc.(Hons)-M.Sc.(Mathematics), Post-graduate degree (M.Sc. Mathematics) and doctoral programme.

Objective of the Conference

Mathematics and its Applications in Science & Technology provide a unique window of opportunity to raise interdisciplinary researches and importance of the effective implementation of mathematics in various branches of sciences. In this connection, department feels proud to announce the National Conference on "Mathematics and its Applications in Science & Technology" in providing a forum for scientific discussions on the above subject to be convened in GJUS&T Hisar, Haryana during November 09-10, 2016.

The main objective of this Conference is to bring Mathematicians & Engineers from various parts of the country to interact with each other and to exchange ideas. MAST 2016 serves as an excellent platform to inculcate research interest among young minds on varieties of subjects.

CONFERENCE SUBJECT

Code No. Subject
1. Mathematical Modeling
2. Mechanics of Solids & Fluids
3. Computational Fluid Dynamics
4. Numerical Analysis
5. Seismology
6. Operations Research
7. Statistical Methods & Optimization
8. Computer applications, Graph Theory & Robotics
9. Atmospheric Science & Oceanography
10. Real and Functional Analysis
11. Algebra and number theory

REGISTRATION FORM (MAST16)

1. Name
2. Designation.....
3. Qualifications.....
4. Institute.....
5. Date of Birth (dd/mm/yy).....
6. Sex: (Male/Female).....
7. Address for Correspondence.....
Phone No....., Mobile No....., Fax No.....
8. E-mail ID.....
9. Presenting a paper Yes/No
Title of the paper.....
10. Mode of presentation (Oral/Poster)
11. Whether accommodation required Yes/No.....
12. Any accompanying person (Give details).....
13. Registration fee of Rs.1500/- per Faculty Member/Delegate from Universities/Educational Institutes and Rs.1000/- per Research Scholar/ PG student (Plus Rs.1000/- per adult member accompanying with the participant)
14. Payment details of registration fees
Amount: Rs.....
DD No.....
Date..... Bank.....
(Drawn in favour of Registrar GJUS&T, Hisar payable at Hisar)

Date: Signature of the Participant

Duly filled-in registration form in the performa given above should be emailed to mast16@gmail.com

OR

Dr. Kapil Kumar
Organizing Secretary

E-mail: kapilkalkal_gju@rediffmail.com

OR

Dr. Pankaj Kumar
Organizing Secretary

E-mail: joshi pankaj kumar@gmail.com
Department of Mathematics, Guru Jambheshwar University
of Science & Technology,
Hisar-125001 (Haryana)

2. 21st International Conference of International Academy of Physical Sciences (CONIAPPS XXI) on Symbiotic “Development of Mathematical, Physical, Chemical & Computational Sciences” was organized by Department of Mathematics, Guru Jambheshwar University of Science & Technology, Hisar during October 28-30, 2017. More than 240 participants including faculty members, research scholars and students participated and presented their research work in the Conference.

Advisory Committee

Prof. Tanbeshwar Kumar – Patron
 Vice-Chancellor, GJUS&T Hisar, India
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 Prof. S.C. Goyal, GJUS Hisar, India
 Prof. Yogesh Chaba, GJUS Hisar, India

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Executive Council of International Academy of Physical Sciences

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Contact Persons

Prof. P.N. Pandey, General Secretary, IAPS
 Dept. of Mathematics, AU Allahabad
 S4, Bank Road, Allahabad-211002, India
 Mob. +91-9450609696
 Email: pnpandey@gmail.com

Prof. Ashish Agarwal, Joint Organizing Secretary CONIAPPS XXI
 Dept. of Mathematics, GJUS, Hisar
 Email: anug@yashoo.com
 Mob. +91-9416672888

Dr. C.P. Kausik, Joint Organizing Secretary CONIAPPS XXI
 Dept. of Chemistry, GJUS, Hisar
 Email: kausikcp@yashoo.com
 Mob. +91-9416623637

Dr. Kapil Kumar, Convener, CONIAPPS XXI
 Chairman, Dept. of Mathematics, GJUS, Hisar
 Email: dmkt13@gmail.com
 Mob. +91-9466989897
 Ph:(0)-+91-1662-263574

Prof. Devinder Kumar, Co-Conveners, CONIAPPS XXI
 Dept. of Chemistry, GJUS, Hisar
 Email: d_k_@yashoo.com
 Mob. +91-9416388307

Aims and Objectives of the Conference

The aim of the conference is to enhance the strong relationship between the scientific and technological community. The conference provides a platform to bring together leading scientists, researchers and students from around the world to exchange knowledge and share advances relevant to the development of the subjects that all-encompassing in physical sciences. The main features of the conference are Keynote Address, Fellowship Award Lecture, Swami Bhajananand Saraswati Vedic Science Award Lecture and other plenary lectures, invited lectures, young scientist award presentations and paper presentations (oral and poster). Few special sessions may also be organized by senior scientists.

21st International Conference

of

International Academy of Physical Sciences (CONIAPPS XXI)

on


“Symbiotic Development of Mathematical, Physical, Chemical & Computational Sciences”

&

Symposium on

“Recent Advances and Future Directions on Mathematics in Bio-Sciences”

October 28-30, 2017



Organized by

Department of Mathematics
 Guru Jambheshwar University of Science & Technology
 Hisar-125001 (Haryana), India
 Email: coniappsxxi@gmail.com
 http://gjuonline.ac.in/coniapssxxi

About the University

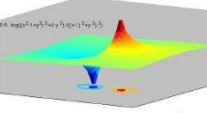
Guru Jambheshwar University of Science and Technology started its journey on October 20, 1995 under Haryana State Legislative Act No. 17 of 1995 at Hisar, Haryana State of India to impart education on the frontiers of Technology, Plasma, Environmental Studies, Non-conventional Energy Sources, Mass Media and Management Studies. During journey of 21 years University has achieved many outstanding goals in all dimensions that are expected from University of high standards. The University is recognized by the University Grants Commission (UGC) under Section 2(f) & 12(B). The lush green landscape of the University spread over three hundred seventy two acres on which 18 Teaching Departments are classified in 7 Faculties are functioning with full potential. Under the umbrella of seven Faculties, University offers 45 Regular Programmes from Campus with Ph.D. Degree programme in all PG Departments. The University also offers 17 Programmes through Distance Mode that are approved by the Joint Committee of UGC, AICTE and DEC. The National Assessment and Accreditation Council (NAAC), Bangalore has accredited this University at “A” Grade three times consecutively since 2002. The state-of-the-art research facilities support to faculties and students by the University through grants received from UGC-S&F, DST-FIST PURSE programme, DBT, MHRD, World Bank, DAE, MHRF, DRDO, NBHM, DEC, MWCW etc. University is bestowed with an excellent library, ultra modern Auditorium & seminar halls, research laboratories equipped with advanced apparatus and instruments and sport complex, etc.

About the Department

Department of Mathematics was established in the year 1995 with M.Sc. and Ph.D. programme. Dual Degree B.Sc.-Hons-M.Sc. Mathematics came into existence from the session 2016-17. Mechanics of Solids, Fluid Dynamics, Bio-fluid Dynamics, Boundary Layer Flow, Fourier Media Flow, Wave Propagation, Porosity, Thermoelasticity, Coding Theory, Algebra are some fields of research in which Faculty Members of the Department are supervising students for Ph.D. work and a significant research work has been carried out in these fields. The intake in M.Sc. programme is 30 students. Dual degree B.Sc. Hons-M.Sc. Maths intake is 30 students. The M.Sc. programme is of two years which is divided into four Semesters. More than 60 students of this Department have cleared the NET/JRF Test.

About Hisar

Hisar is a city in the state of Haryana, in northwestern India, and it is also headquarters of Hisar District. Hisar was founded as Hisar-e-Firoz Shah Tughlan in 1354 AD. Hisar is an educational hub and growing civility towards a modern city. Guru Jambheshwar University of Science & Technology (formerly Guru Jambheshwar University), CCS Haryana, Agricultural University, Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), ICAR-Central Institute for Research on Buffaloes, National Research Centre on Equines are some premier names in the field of scientific/technical studies and researches. Historically it is an important site of Indian civilization and river Saraswati. The ancient Agrahra town (Agrasen Mahara) is located at 20 Km from the Hisar city.



How to reach Hisar

It is well connected by rail and roads to many major cities of northern and western part of the India. The nearest airport is India Gandhi International Airport, Delhi at road distance about 175 Km. The road distance of Hisar is about 170 Km from Delhi on Delhi-Rohatki-Hisar-Sirsa-Fazilka National Highway (NH-10) and at a distance of about 230 Km from Chandigarh on NH-65. Some main trains passing through Hisar are Anantpur-Amritsar Express, connecting Amritsar, Ludhiana, Hisar, Jaipur, Amritsar, Kirti Express connecting Delhi-Hisar-Sirsa-Bhatinda, Gorakhdham Express that connects Gorakhpur-Lucknow-Kanpur-New Delhi-Hisar.

Call for Paper

Original contribution are solicited on a topic related to Physics, Chemistry, Mathematics, Statistics, Computer Science & Information Technology and Earth & Environmental Science (Geophysics, Geology and Geography), as well as topics related to applications of physical sciences to bio sciences (Biophysics, biochemistry, Biomathematics, Biomimetics etc.) are invited for oral poster presentation. Abstract Manuscript of the paper may be uploaded on <http://gjuonline.ac.in/coniapssxxi>.

Abstract: Each abstract (0.5 word only) of maximum 300 words, typed in 12 font size in Times New Roman font having 1.5 line spacing is to be sent to coniapssxxi@gmail.com. It must contain the title of paper, name(s) of the author(s) with affiliation(s), name of presenting author must be underlined and email id(s). The hard copy of the abstract, registration form, and proof of paid registration fee must also be sent to Convener CONIAPPS XXI or Organizing Secretary, CONIAPPS XXI so as to reach latest by October 10, 2017. All submitted conference full length papers will be peer reviewed and accepted papers may be published in the Journal of IAPS.

Important dates for submission

(i) Full-Text Paper for Young Scientist Award (YSA) October 04, 2017
 (ii) Abstract/ Full-Text paper other than for YSA October 04, 2017

Eligibility for Young Scientist Award (YSA): The registered research scholar competing for the YSA must not crossed the age of 35 years on October 30, 2017 evidenced from the Board Examination Certificate. Candidates for YSA have to submit Full-Text paper along with the age proof and proof of paid registration fee. Papers for YSA should not be authored by more than two scholars.

Registration Fee

Category	Registration Fee upto 10.10.2017
Delegates from India and SAARC Countries (Additional INR 2500 for each Accompanying Person)	INR 3000/-
Research Scholars/Students from India and SAARC Countries (Additional INR 1500 for each Accompanying Person)	INR 2000/-
Delegates from other than SAARC Countries (Additional USD 150 for each Accompanying Person)	USD 150 or Equivalent

Registration Fee can be paid in cash or through Demand Draft in favour of CONVENER CONIAPPS XXI payable at Hisar or through online payment in Punjab National Bank (PNB) Hisar-125001. Bank details are: SB A/C No.: 4674000100405811 IFSC Code : PUNB0467400
 Your details (Name & Registration Number) must be mentioned on the overleaf of Demand Draft or in the remark column of online transaction.
 * Delegates registered after 10.10.2017 or on the spot will be provided breakfast, lunch, dinner, conference material (subject to availability but not to accompanying person) and they have to make their own stay arrangements.

* Delegates registered upto 10.10.2017 will be provided accommodation (on demand, first-come-first served basis), conference material (except accompanying person), breakfast, lunch and dinner.
 * A rebate of 10% in registration fee for life members of the IAPS.

Note:

- Registration Form and Fee are mandatory for all participants. Inclusion of Abstract/Full Paper in Abstract Booklet will only be considered thereafter.
- Abstract/Full Papers received after 04.10.2017 will not be included in Abstract Booklet, but such delegates will be given chance for oral poster presentation.
- The proof of paid registration fee and filled registration form must also be sent to coniapssxxi@gmail.com so as to reach latest by 10.10.2017.
- The registration fee in the category of Research Scholar/ Student will be considered on production of relevant proof.
- Certificate of Paper presentation will be issued only to the presenter. Multiple presenters shall not be allowed for a single paper.
- A delegate may present more than one paper on an additional payment of 20% of registration fee for each additional paper.

Expected Speakers

Prof. Anand P. Pathak, IIT (RGTU) Hisar, India
 Dr. Chandra Prakash SSP, (DRDO), New Delhi, India
 Dr. R.K. Kotnala, CSE, NPL, New Delhi, India
 Prof. C.P. Kausik, BARC Mumbai, India
 Prof. Marathi Sharan, IIT Delhi, India
 Prof. P.R. Sharma, UOR Jaipur, India
 Prof. P. G. Siddheshwar, Bangalore University, India
 Prof. R.K. Sharma, IIT Delhi, India
 Prof. M.N. Bhowm, University of Montpellier, France
 Prof. Anand N. Filippov, GRSUG Moscow, Russia
 Prof. O.D. Makinidi, Stellenbosch University, South Africa
 Dr. N. Siddique, University of Ulster, Magee Campus, UK
 Prof. Anil Kumar, Liverpool Hope University, UK
 Prof. J. Prakash, University of Botswana, Botswana
 Prof. N. R. Garg, MDU, Rohtak, India
 Prof. B.K. Dass, DU, Delhi, India

Prof. Vinay Gupta, DU, Delhi, India
 Prof. A.K. Mishra, IMS Chennai, India
 Prof. P.K. Bajpai, GJU, Bilaspur, India
 Prof. Sanjay Mandal, IISER, Mohali, India
 Prof. Anil Goyal, CSIR-CERI, Lucknow, India
 Prof. P.K. Chaturani, (Retd.), ITT, Bombay, India
 Prof. P.N. Pandey, D.S. SU, Allahabad, India
 Prof. S.K. Tomar, PU Chandigarh, India
 Prof. Subhendu Ghosh, DU, Delhi, India
 Prof. V.K. Katiyar, IIT Roorkee, India
 Prof. Daya Shankar Pandey, BHU, Varanasi, India
 Prof. P.K. Chaturani, IIT Roorkee, India
 Prof. A.K.V. Ashitha, KU, Kunuksheta, India
 Prof. Asem Miglani, CDRU, Sirsa, India
 Prof. Divakar Pandey, C. C. S. University, Meerut, India
 Prof. T. Venkatesh, IIT Kanpur, India
 Prof. A.K. Sharma, DCRUST, Murtha, India
 Prof. Dilip Kumar, BISST, Palani, (Taj.), India



3. On the Occasion of National Mathematics Day, the Department of Mathematics, Guru Jambheshwar University of Science & Technology, Hisar in collaboration with Vigyan Bharti (VIBHA), Hisar and Haryana State Council for Science, innovation & Technology Organised a National Workshop on “History, Development and Applications of Mathematical Sciences” at December 22 through online mode. 260 participants participated in the workshop.



"AN EQUATION MEANS NOTHING TO ME UNLESS IT EXPRESSES A THOUGHT OF GOD"

SRINIVASA RAMANUJAN
(1887-1920)

Department of Mathematics
Guru Jambheshwar University of Science & Technology, Hisar
and
VIBHA, Hisar (Haryana)

In Collaboration with
Haryana State Council for Science, Innovation & Technology

Celebrates National Mathematics Day

By Organizing
National Workshop
(Through Online Mode)

on
History, Development and Applications of Mathematical Sciences
22nd December, 2020

About National Mathematics Day
National Mathematics Day is observed on December 22 every year to mark the birth anniversary of legendary Indian mathematician, Srinivasa Ramanujan. The mathematics day is celebrated to promote the magnificent tradition of Indian mathematics. Ramanujan is remembered for his contributions to mathematical analysis, infinite series, continued fractions and number theory. He also discovered his own theorems and compiled as many as 3900 results independently. In 1917, Ramanujan was elected to be a member of the London Mathematical Society. In 1918, he also became a Fellow of the Royal Society, becoming one of the youngest to achieve the feat. In his short life, Ramanujan had a wealth of ideas that have transformed and reshaped 20th century mathematics.

About the Event
The main objective of the workshop is to celebrate and appreciate the contribution of Mathematics Wizard Srinivasa Ramanujan and to inspire mathematicians to take up high end research in the field of mathematics. The workshop also provides online platform to discuss ideas, developments and applications covering various aspects of mathematical sciences. The academic sessions consist of invited talks/lectures on the topics such as: vedic mathematics, contribution of Ramanujan to mathematics and recent developments in mathematics.

Important details:

Last date of registration: 21.12.2020
Link for online registration: <https://forms.gle/bgyFx7JgkxSWjCcv6>
Google meet link for workshop: <https://meet.google.com/vru-ruxc-hvg>

FOR ANY QUERY CONTACT:

Dr. Kapil Kumar Kalkal Chairperson 94163-03875	Prof. Sunita Srivastava President, VIBHA, Hisar 98764-37838	Dr. Renu Muwal Convener 94168-80160	Dr. Sandeep Singh Sheoran Convener 94660-37643
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Email: nmdgjumath@gmail.com

Note: Certificate will be provided to the registered participants.

Department of Mathematics
Guru Jambheshwar University of Science & Technology, Hisar
and

Vigyan Bharti (VIBHA), Hisar (Haryana)

In Collaboration with
Haryana State Council for Science, Innovation & Technology
Celebrates

National Mathematics Day

By Organizing

National Workshop (Through Online Mode)

on

History, Development and Applications of Mathematical Sciences

December 22, 2020

Tentative Schedule

Time	Name	Event
10:00 am-10:05 am	Dr. Kapil Kumar Kalkal Chairperson Dept. of Mathematics, GJUS&T, Hisar	Welcome address and brief introduction about event
10:05 am-10:10 am	Prof. Sunita Srivastava President VIBHA, Hisar	Brief introduction about VIBHA
10:10 am-10:20 am	Dr. Avnesh Verma Registrar, GJUS&T, Hisar	Guest of Honour address
10:20 am-10:30 am	Prof. Tankeshwar Kumar Hon'ble Vice Chancellor GJUS&T, Hisar	Chief Guest Address
10:30 am-11:30 am	Dr. Kailash Vishwakarma Associate Professor Dept. of Physics BNPG College, Hamirpur	Invited Talk on <i>"Vedic Mathematics: A Boon for Mankind"</i>
11:30 am-12:30 pm	Prof. H.R. Wason Former Emeritus Fellow IIT, Roorkee	Invited Talk on <i>"General orthogonal regression and unbiased estimation when both variables are subject to error"</i>
12:30 pm-1:30 pm	Prof. D.S. Hooda Honorary Professor Dept. of Mathematics GJUS&T, Hisar	Invited Talk on <i>"Ramanujan: His Life and Contributions"</i>
1:30 pm	Prof. Kuldeep Bansal Dept. of Mathematics, GJUS&T, Hisar	Vote of Thanks

Join workshop through the **ZOOM** link:

<https://us02web.zoom.us/j/89391307779?pwd=UUM1WjE9RkNlEjFqcXNlV63NlU5FN0Y01RQ109>

Meeting ID: 89391307779

Passcode: 680157

NATIONAL MATHEMATICS DAY

9

Fourth Method

Ekadhikena Purvena (One more than previous d

(a) 35^2 (b) 95^2 (c) 395^2 (d)

(a) $35^2 = (3 \times 4) \mid (5 \times 5) = 12 \mid 25$
 $35^2 = 1225$

(b) $95^2 = (9 \times 10) \mid (5 \times 5)$

(c) $395^2 = (39 \times 40) \mid (5 \times 5)$

(d) $5005^2 = (500 \times 501) \mid (5 \times 5)$

(e) $65^2 = (6 \times 7) \mid (5 \times 5)$

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