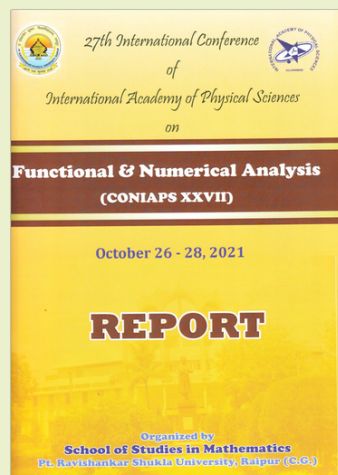


"Mathematics is a place where you can do things which you can't do in the real world."

– Marcus du Sautoy



Salient Features of the School

- Students participation in MTS Program in regular intervals.
- Students selected in NET/GATE/SET: In last five years, 58 students selected in NET (CSIR), GATE, and SET.
- Gold Medal: M.Sc. students obtained Gold Medal in the years 1994, 1995, 1996, 1997, 1999, 2001, 2003, 2004, 2006, 2010, 2011, 2012, 2013, 2014, 2015, 2017, 2018, 2019, 2020, 2021, 2022 and 2024.
- Participation in National and International Conferences/Workshops: Faculty and research scholars participated in more than 50 National and International Conferences and Workshops.
- Consultancy Services in Research: Research consultancy was given to research projects in Mathematics of some Universities (Sultan Qaboos University, Oman and Transkei University, South Africa) by faculty members.
- Honour/Award received by our faculty: TWAS-UNESCO Associateship (2008-2011).
- Research Project: Several research projects were carried in the School supported by DST, CSIR, CGCOST, UGC, etc.
- The school produced 41 Ph.D.'s and more than 450 research papers in various National and International Mathematics research journals.

NBHM Centre

NBHM Centre for M.Sc./M.A. scholarship and Ph.D. scholarship examination from 2013.

Our students are placed in:

- Universities: BHU, GGU, RSU
- Technical Institutions: MNNIT-Allahabad, IIIT-Jabalpur, UIT-Indore.
- Degree Colleges: Leading PG & UG colleges in Chhattisgarh.
- Engineering and Polytechnic Colleges: Almost every Engineering and Polytechnic College in Chhattisgarh.
- School Education: School Education in Chhattisgarh.



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<https://prsu.ac.in/academic-departments/utd-departments/School-of-Studies-in-Mathematics>



**PT. RAVISHANKAR SHUKLA UNIVERSITY
AMANAKA, G.E. ROAD, RAIPUR- 492010
CHHATTISGARH, INDIA**

Eshtablishment

The School of Studies in Mathematics was established in 1991. Since then, the School has been growing continuously in terms of educational programmes and infrastructure. From the very inception of this school, it has been one of the most active research centres of mathematical science in Chhattisgarh. The school has its own building with adequate facilities for teaching and research. From 1994 the school is supported by NBHM Library Grant. In 2010-11, the school came under the umbrella of DST-FIST programme.

Courses Offered

- M.Sc./M.A. (4 Semesters)
- Ph.D. Programme

The Doctoral program is designed to prepare students for higher learning and to acquaint with recent developments in Mathematics, as well as to pursue research careers.

Curriculum Design, Development & Update

The curriculum is updated periodically, with the flexibility to design a curriculum that centers the goals of the SoS caters

2017 2018 2019 2020 2021 2022 2023 2024

Academic Activities

The School of Studies in Mathematics regularly organizes a number of seminars and guest lectures. Our School of Studies also provides consultancy to various educational institutions and research labs. Faculty members of the school also provide counseling services to the students appearing NET/GATE/MTTS Programmes/State PSC/UPSC.

Goals and Objectives

School of Studies in Mathematics focuses on emerging trends in Mathematics leading to fulfil the requirements of our society. Under the active guidance of dedicated faculty members, the school is gradually emerging as an excellent centre for Research and Teaching in the areas of Non-linear Analysis, Operator Theory, Cryptography and Mathematical Epidemiology, etc. Our goals and endeavours are aimed to evaluate our institution to the level of a world-class University.

Computer Lab

The SoS has 31 PC's in the computer Lab for the exclusive use of students of M.Sc. with access to internet facilities via Inflibnet facility.

Pedagogy

The state of art of inquiry in the subject matter is to nurture amongst students for advance learning and to acquaint them with recent developments in Mathematics. The emphasis is on action learning like to handle real world problems, provide innovative concepts and mathematical models to industrial needs, field works challenging environment. The overall scenario is aiming towards creating a knowledge-based society.

Mission of Our School

- **To increase the productivity, technical, and vocational efficiencies.**
- **To cultivate social, moral, and aesthetic values as well as to develop a sense of duty and responsibility.**
- **To develop overall personality through NSS, sports, cultural activities, debate, group discussions, etc.**
- **To promote research activities in mathematics and to foster economic growth of the region.**

Conferences/Workshops

- Conference on Recent Trends in Mathematics with Emphasis on History of Mathematics, December 04-06, 2003.
- Workshop Vision 2020 to determine the future plans of study and research in the University, September 05-08, 2006.
- Golden Jubilee National Seminar on Advances in Nonlinear Analysis and Optimization, February 15-17, 2014.
- Organize a one-day seminar on 'Strengthening Scientific Temper' on 10th, 2014, which includes a series of lectures 'Life and Work of Srinivasa Ramanujan'.
- Organized a one-day seminar to celebrate Mathematics Day on 20th March 2016.
- Organized outreach lecture and one-day seminar on 11th and 12th February 2020.
- Organized 27th International Conference (CONIAPS XXVII-FNA 2021) on October 26-28, 2021. (Online Mode)
- Organized a four-day Symposium and National Mathematics Day-2022.
- Organized a seven-day National Mathematics Day-2023.
- Organized the 31st International Conference (CONIAPS XXXI-FNA 2024) on December 20-21, 2024.

Other Facilities in the Development of Resources

Annual Library Grant from DAE, complimentary copies of High-Quality Books and Springer's Magazine Intelligence by NBHM from 2003.

Teaching-Learning & Evaluation Process

- Tutorial, weekly seminar for M.Sc. students, use of SMART BOARD/LCD/Book Presenter as teaching aid, class tests, students are encouraged to make maximum use of the library and online resources, training and dissertation report prepared and evaluated by an external examiner.
- Practical classes are run in the Computer Lab. compulsory participation in seminar, write-up review following presentations of seminar, surprise and announced unit tests are conducted.

ICT as Learning Resources

- In 2008, department is connected through as dlink-1, online access of specific journals, use of LCD projector an Interactive Board.
- In 2013, online access of more journals, MathSciNet database is available from 2010 and Ebooks in Mathematics.
- Highest utilization of E-Resources among University teaching departments as per Usage Statistics of UGC-INFLIBNET Digital Library Consortium.

International Collaborations in Research

Institution	Collaborator	Who Collaborated
Dong-A University, Pusan, S. Korea	Prof. Jong Soo Jung	Prof. B.K.Sharma, DR. B.S.Thakur
Gyeonsang National University, S. Korea	Prof. Y.J.Cho	Prof. B.K.Sharma, Prof. H.K.Pathak, Dr. B.S.Thakur
Institute of Technology, Rzeszow, Poland	Prof. J.Gornicki	Dr. B.S.Thakur
University of Leichestar, UK	Prof. Brian Fisher	Prof. H.K.Pathak
Gyeonsang National Univ. S. Korea	Prof. Shin Min Kang	Prof. H.K.Pathak
Florida Institute of Technology, USA	Prof. Ravi. P. Agarwal	Prof. H.K.Pathak
University of Galway, Ireland	Prof. Donal O. Reagon	Prof. H.K.Pathak
Sultan Qaboos University, Oman	Prof. M. S. Khan	Prof. H.K.Pathak
University of Transkei, S. Africa	Prof. S. N. Mishra	Prof. H.K.Pathak
Changwong National University, S. Korea	Prof. J. S. Ume	Prof. H.K.Pathak
Chengdu Univeristy, China	Prof. S.S.Chang	Prof. H.K.Pathak