DEPARTMENTAL PROFILE

DEPARTMENT OF MATHEMATICS

NIMAPARA AUTONOMOUS COLLEGE

NIMAPARA, PURI

Vision and mission

▶ Vision

We aim to provide high quality education in undergraduate and graduate mathematics, meeting the needs of a diverse student's body.

▶ Mission

- The goal of these programs of study is to equip all of our students with the conceptual understanding, computational skills and persistent disposition required to use quantitative reasoning and analysis effectively in their personal and professional lives.

- For mathematics G.E. students (other honours) we aim to provide stimulating mathematical knowledges that will bloster their future careers, whether that be the application of mathematics in practical context or active participation in professional organization.

- ▶ We also aim to promote and sustain:

- ▪ An environment that fosters creativity, critical thoughts, enquiry and active learning.

- ▪ Opportunities for closed interaction between students and faculties, both within and beyond the classroom, including student mentoring

- ▪ The continued growth of faculty as both teachers and scholars of mathematics with active programs of research and professional environment.

CURRENT FACULTIES

SL. NO.	NAME OF THE FACULTY	QUALIFICATION	DESIGNATION	SPECIALIZATION
1.	Mr. Chandramani sahoo	M.Sc., P.G.D.C.A	Reader & H.O.D.	mathematical statistics and operational research
2.	Dr. Sagarika Biswal	M.Sc., M.Phil, Ph.D.	Lecturer	Advanced numerical analysis, graph theory, uncertainity theory
3.	Mrs. B.L. Padmasani Barik	M.Sc., M.Phil	Lecturer	rough set theory, fluid dynamics
4.	Ms. Kajol Panch	M.Sc., NET, GATE	Lecturer	linear algebra, complex analysis
5.	Mr. Subrat ku. Mohanty	M.Sc.	Lecturer	computer programming

Mr. Chandramani sahoo

Reader & H.O.D.

Department of mathematics

Nimapara(a) college, puri

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email- chandramanisahoo1965@gmail.com

QUALIFICATION

M.SC. , p.g.d.c.a

SPECIALIZATION

Mathematical statistics and operational research

EXPERIENCE

36 YEARS

ADMINISTRATIVE EXPERIENCES

7 YEARS

WEBINARS ATTENDED-

► **number sequences and musings on obvious maps organised by dept. of maths pattamundai college, pattamundai, kendrapada, odisha on 10 nov 2020**

► **participated international webinar organised by dept of maths u.n. college soro, balasore on 10 nov 2020**

► **attended the national seminar on mathematical analysis and computing organised by national institute of science and technology (nist) berhampur , odisha from 15th feb to 16th feb 2020**

► **paticipated in national webinar organised by dept of zoology of science and technology (nist) berhampur, odisha on 20.10.2020**

Dr. Sagarika Biswal

Lecturer

Department of mathematics

Nimapara (A) college, puri

Mob- 9437221002

Email-iamsagarika2005@gmail.com

QUALIFICATION

M.sc. , M.phil, P.Hd.

SPECIALIZATION

Advanced numerical analysis, graph theory, uncertainty theory

EXPERIENCE

15 years

RESEARCH

1. Completed Ph.D in Mathematics under Biju Patnaik University of Technology, Odisha

2. Title of the thesis-" Some Graph Optimization Problems under Uncertain Environment"

RESEARCH PAPERS PUBLISHED

1. α-reliable shortest path in a road network under uncertainty,IJACM,Springer,Vol- 164,2022

2. "Minimum Spanning Tree in Fuzzy Weighted Rough Graph", International Journal of Engineering Research and Development, Vol.1 (10), 2012

3. "Minimum Spanning Tree with rough weights", International Journal of Computer Applications, Vol 71 (12), 2013

4. "Shortest path Problem under Rough and Uncertain Environment", American International Journal of Research in Science, Technology, Engineering and Mathematics, Vol 14, 2014

5. Inverse shortest path with uncertain edge weight. IJCA ,2016

6. Maximum flow problem in a network with rough edge weight. International journal of Engineering Research and Development ,2016,

.RESEARCH PAPERS COMMUNICATED FOR PUBLICATIONS:

1. Inverse shortest path with rough edge capacity.

2. Inverse MST problem on an uncertain graph.

3. Maximum flow problem with uncertain edge weights.

WORKSHOPS ATTENDED/PAPER PRESENTED (10)

1. Workshop in Graph Theory, Organised by Institute of Mathematics and Application, Bhubaneswar from 17-23 December, 2009

2. Faculty Development Programme on current trend in Distributed Computing, organised by C-Dac and BPUT from 20-21 Feb, 2012

3. Faculty Development programme on "Introduction to MATLAB and its application in Engineering, Organised by BPUT at Trident Academy of Technology from 16-18 March, 2012

4. Workshop on "Current trends in Soft Computing", Organised by CET in Feb, 2014

5. Faculty Development Programme on "Numerical Optimization", Organised by IIT Kharagpur Ext Centre at Bhubaneswar from 7-12 December, 2015

6. Workshop in Orissa Mathematical Society. 2017

Mrs. B.L. padmasani Barik

Lecturer

Department of mathematics

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QUALIFICATIONS

M.sc., M. phil

SPECIALIZATION

specialized in rough set theory and fluid dynamics

EXPERIENCES

2 years

ACADEMIC EXPERIENCES

member in scholarship

REFRESHER COURSES

Teacher's training at NISER from 02 nov to 05 nov 2023

Mr.subrat kumar Mohanty

Lecturer

Department of mathematics

Nimapara (A) college

Nimapara, puri

Mob-943719226

Email-

QUALIFICATIONS

M.SC., PGDCA

SPECIFICATIONS

Computer Programming

EXPERIENCE

24 years

Kajol panch

Lecturer

Department of mathematics

Nimapara (A) college

Mob- 7606958721

Email- musupanch3012@gmail.com

QUALIFICATION

M.Sc (Net, gate)

SPECIALIZATION

Specialized in linear algebra and complex analysis.

EXPERIENCE

6 months