

Curriculum Vitae

Name:- SOUMITRA CHOWDHURY

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OBJECTIVE:-

A passionate Mathematics teacher with a focus on encouraging Creativity and Higher-order thinking in a way that increases student performance.

TEACHING EXPERIENCE:-

- Adjunct Faculty in the **Department of Mathematics, School of Basic and Applied Sciences, Adamas University, Kolkata** from 21st September 2021 to 24th April 2023.
- Assistant Professor in the **Department of Mathematics, G. H. Rasoni University, Amravati** from 4th May 2023 to 18th December 2023.
- Assistant Professor in the **Department of Mathematics, NIST University, Berhampur, Odisha** from 21st December 2023 to 06th September 2024.
- Assistant Professor in the **Department of Applied Sciences and Humanities, Parul University, Vadodara, Gujarat** from 11th September 2024 to Present.

EDUCATIONAL BACKGROUND:-

Degree	Institute/Organization	Year of passing	Percentage of marks obtained
Ph.D in Applied Mathematics	IIT(ISM) Dhanbad	2016-2023	NA
M.Sc in Mathematics & Computing	IIT(ISM) Dhanbad	2016	8.82/10
B.Sc (Hons.) in Mathematics	Presidency College, Kolkata.	2014	54.25%
XII	Malda Zilla School	2010	76%

X	Malda Zilla School	2008	79.13%
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SUMMER INTERNSHIP:-

- Project on *Cryptography* for three months at the *University of Calcutta*
- Paper Review of *Cryptography*
- Paper Analysis of *Cryptology* and *Number Theory*

RESEARCH INTEREST:-

- Ordinary Differential Equation, Partial Differential Equation
- Theoretical Seismology
- Thermoelasticity

PUBLICATIONS:-

Title of the Paper	Journal Name	Index	Publisher	Other Details
DISPERSION OF STONELEY WAVES THROUGH THE IRREGULAR COMMON INTERFACE OF TWO HYDROSTATIC STRESSED MTI MEDIA	SCIENTIA IRANICA	SCI (Q4)	SHARIF UNIVERSITY OF TECHNOLOGY	VOLUME -28, ISSUE-02, YEAR-2021.
CASE-WISE STUDY OF LINEA, QUADRATIC AND EXPONENTIAL HETEROGENEITY ON LOVE WAVE PROPAGATION USING GREEN'S FUNCTION DERIVATIVES	JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES	SCI (Q2)	SPRINGER	https://doi.org/10.1007/s42417-024-01743-z
PROPAGATION OF SH-WAVE IN HETEROGENEOUS LAYER SANDWICHED BY TWO HALF-SPACES	EMERGING TRENDS IN MATHEMATICAL SCIENCES AND ITS APPLICATIONS	NON-SCOPUS	AIP CONFERENCE PROC.	YEAR-2018

CONFERENCE PROCEEDINGS:-

- Presented a paper titled “Propagation of SH-wave in heterogeneous media sandwiched by two half-spaces” in **13th International Conference on Vibration Problems** at IIT Guwahati in November-2017.

TEACHING INTEREST:-

- Linear Algebra, Discrete Mathematics
- Ordinary Differential Equation, Partial Differential Equation, Engineering Mathematics
- Probability and Statistics, Statistical Inference, Sampling Theory, Business Statistics
- Management Science, Quantitative Technique of Management, Operation Research

SUBJECTS TAUGHT:-

THEORY	PRACTICAL
<p>1. UG Courses</p> <ul style="list-style-type: none">• Engineering Mathematics• Discrete Mathematics• Theory of Probability• Classical Algebra• Vector Analysis and Tensor Calculus• Differential Equation• Basic Mathematics• Elementary Mathematics• Elective Mathematics• Remedial Mathematics• Business Statistics• Statistics for Data Management <p>2. PG Courses</p> <ul style="list-style-type: none">• Linear Algebra• Problem Solving and Applications• Probability and Statistics• Management Science• Quantitative Technique of Management• Operation Research	<ul style="list-style-type: none">• Numerical Methods Lab• C Programming Lab• OS Lab

OTHER SKILLS:-

Programming Language	OPERATING SYSTEM	MICROSOFT OFFICE
<ul style="list-style-type: none"> • C, C++ • Unix • Mathematica 	<ul style="list-style-type: none"> • Windows • Ubuntu 	<ul style="list-style-type: none"> • WORD • POWERPOINT • EXCEL

ACADEMIC PROJECTS:-

Name of the Project	Name of the Student	Enrollment No
<ul style="list-style-type: none"> • Consequences of Stoneley Wave propagation on MTI-half-spaces having hydrostatic stress • Consequences of Love wave propagation in heterogeneous media sandwiched by two half-spaces 	<ul style="list-style-type: none"> • Mr Akash Kar • Mr Sinchan Pandit 	<ul style="list-style-type: none"> • AU/2020/0004844 • AU/2020/0004854

Details of Mentee:-

Name of the Student	Enrollment No	Academic Program
<ul style="list-style-type: none"> • Naveed Nawaz • Samiparna Sarkar • Pritam Das 	<ul style="list-style-type: none"> • AU/2022/0007031 • AU/2022/0007111 • AU/2022/0008531 	<ul style="list-style-type: none"> • B. Sc. (H) in Mathematics • B. Sc. (H) in Statistics and Data Analytics • M. Sc. (Tech.) in Statistics and Data Sciences

SHORT TERM COURSES/WORKSHOPS/WEBINARS ATTENDED:-

- Attended workshop on “Set Theory and Logic” at St. Paul’s Cathedral Mission College, Kolkata in September 2013.
- Attended UGC-sponsored national seminar on “Dynamical System – Its Application and Consequences” organised by St. Paul’s Cathedral Mission College, Kolkata in collaboration with Surendranath College, Kolkata in September 2013.
- Attended national workshop on "Applied Continuum Mechanics" organised by N.I.T. Goa in December 2016.
- Attended and presented a paper at an international conference “13th International Conference on Vibration Problems” organised by IIT Guwahati in November 2017.
- Attended national training programme on “Scientific Computing with Mathematica” organised in December 2017 at IIT (ISM) Dhanbad.

- Attended webinar on “**Finance and Data Science**” conducted by **Adamas University, Kolkata** in January 2022.
- Attended Five-Day International Faculty Development Program(e-FDP) on “**Data Science and Its Applications(DSCA 2024)**” conducted by **Dr. B. C. Roy Academy of Professional Courses, Durgapur, India**, in association with the **Computer Society of India, Region II, Kolkata Chapter** in February 2024.
- Attended a Five-Day International Faculty Development Program(FDP) on “**Recent Developments in Statistics and its Applications in Data Science**” conducted by the **Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai Campus** in March 2024.
- Attended a Five-Day workshop on “**Hands-on Workshop on Research Methodologies Based on SPSS, Python, JAMOV, R, and COMSOL**” conducted by the **Department of Mathematics, School of Advanced Sciences, and Department of MBA, VIT Business School, Vellore Institute of Technology, Chennai Campus** in April 2024.
- Attended a two-week Teacher Enrichment Program on “**Elements of Data Management and Analytics**” organised by the **Department of Mathematics, Jaypee Institute of Information Technology, Noida, India** in April 2024.
- Attended a Five-Day International Faculty Development Program(FDP) on “**Exploring Research Frontiers in Dynamical Systems**” organised by the **Department of Mathematics jointly with the School of Emerging Sciences and Technology, Gujrat University, India** in May 2024.
- Attended a Six-Day Teacher Enrichment Program on “**Symmetries & Calculus**” organised by **Behala College, Parnasree, Kolkata (NAAC accredited A++)**, supported by **National Centre for Mathematics (A joint centre of TIFR & IIT Bombay)** in August 2024.
- Attended a Five-Day Online Short-Term Training Program on “**Unlocking Potential: Advanced Mathematics for Engineers and Scientists**” organised by the **Department of Applied Sciences and Humanities, Faculty of Engineering, Parul Institute of Engineering and Technology, Parul University**, in collaboration with the **Department of Mathematics, NIT, Jamshedpur** in October 2024.

PERSONAL DETAILS:-

- **DATE OF BIRTH:-** 12th April ,1992
- **FATHER’S NAME:-** SANKAR CHOWDHURY
- **MOTHER’S NAME:-** ARCHANA CHOWDHURY
- **PRESENT ADDRESS:-** RAM KRISHNA MISSION ROAD, POST AND DIST-MALDA, PIN-732101.
- **Languages Known:-** English, Hindi, Bengali

DECLARATION:-

I hereby declare that this information is true to the best of my knowledge and belief.

Soumitra Chowdhury