

BIODATA

Name : NEERAJ KUMAR PAUL
Father's Name : NIL KANTA PAUL
Date of Birth : 14-Nov-1984
Currently Working as : Assistant Professor, Jorhat Engineering College
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Department of Mathematics,
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Languages Known : Bengali, Assamese, Hindi and English

Career Timeline

2000: Matriculation : St. Francis De Sales School (Dhemaji, Assam, India),
Board of Secondary Education, Assam (SEBA)
First Division

2002: Higher Secondary : Dhemaji College (Dhemaji, Assam, India)
Assam Higher Secondary Education Council (AHSEC)
First Division

2005: Bachelor of Science (Honours in Mathematics):
Dhemaji College (Dhemaji, Assam, India)
Dibrugarh University
First Class with Distinction (University rank: 3rd)

2006: Joined Tata Consultancy Services Ltd. (TCS) as Systems Engineer working in
Chennai, Kolkata and Cardiff (Wales, UK).

2011: Cleared JAM (Joint Admission test for Masters) with **All India Rank 10**. Went
to IIT Kharagpur after resigning from TCS.

2013: Master of Science : Indian Institute of Technology - Kharagpur
First Class

2013: Cleared GATE (**All India Rank: 110**) and NET (LS)

2013: Joined Rajiv Gandhi University of Knowledge Technologies, Nuzvid (Andhra Pradesh) as Lecturer.

2015: Cleared NET (JRF)

2017: Cleared NET (JRF) once again.

2017: Resigned from RGUKT

2018: Went to Gauhati University for Ph.D. with Junior Research Fellowship (JRF)

2020: Upgraded to Senior Research Fellow (SRF)

2022: Awarded Ph.D. in November. Worked in Royal Global University, Guwahati as visiting faculty on several occasions.

2023: Joined the Department of Mathematics, Moridhal College as Assistant Professor.

2024: Joined the Department of Mathematics, Jorhat Engineering College as Assistant Professor.

List of Publications:

1. R. Gayen, Deepak Singh and Neeraj Paul, *On the solution of coupled Fredholm integral equations*, **Journal of Advanced Research in Scientific Computing**, vol. 6, pp 46-53 (Year of publishing: 2014).

2. N. K. Paul and H. K. Saikia, *A Generalization of Fibonacci Sequence*, **Proyecciones (Antofagasta, On line)** vol. 39, no. 6, pp. 1393-1405, Dec. 2020, doi: 10.22199/issn.0717-6279-2020-06-0085.

3. N. K. Paul and H. K. Saikia, *Some Generalized Results Related to Fibonacci Sequence*, **Proyecciones (Antofagasta, On line)** vol. 40, no. 3, pp. 605-617, 2021, doi: 10.22199/issn.0717-6279-4269.

4. N. K. Paul and H. K. Saikia, *A Generalization of Lucas Sequence and Associated Identities*, **Boletim da Sociedade Paranense de Matematica (BSPM)** (3s.) v. 2023 (41), pp. 1-20, doi: 10.5269/bspm.53068.

Seminars/Conferences/Workshops:

1. Presented "*Alternative Approach for Generation of Pythagorean Triples*", **National Seminar on Advances in Mathematical Sciences**, 22nd December, 2018, Department of Mathematics, Gauhati University, Guwahati, Assam, India.

2. Presented "*Cassini's identity and its generalization*", **International Conference on Mathematical Modelling in Applied Sciences (ICMMAS2020)**, June 28-30, 2020, Department of Mathematics, Dibrugarh University, Dibrugarh, Assam, India.

3. Presented "*Cassini-like identity for Lucas sequence and its generalization*", **3rd International Conference on Mathematical Modelling, Applied Analysis and**

Computation - 2020 (ICMMAAC-20), August 07-09, 2020, Department of Mathematics, JECRC University, Jaipur, Rajasthan, India.

4. Attended online workshop on "Algebraic Number Theory", August 31 - September 05, 2020, Department of Mathematics, Assam University, Silchar, Assam, India.

5. Presented "*Some Aspects of Fibonacci Sequence*", **1st International Conference on Advances in Mathematics, Science and Technology (ICAMST-2020)**, September 01-03, 2020, Department of Mathematics, Rajiv Gandhi University, Doimukh, Arunachal Pradesh, India.

Awarded **Best Presenter** of the session.

6. Attended online workshop on "Numerical Linear Algebra", September 19-25, 2020, Department of Mathematics, Assam University, Silchar, Assam, India.

7. Presented "*On Vajda's and Vajda-like Identities via Generalized Fibonacci and Lucas Numbers*", **2020 Québec-Maine Number Theory Conference**, September 26-27, 2020, Université Laval, Québec, Canada.

8. Presented "*Binet's Formulae for generalized Fibonacci sequence and generalized Lucas sequence*", **National Conference on Advances in Mathematical Sciences (NCAMS-2022)**, December 22-23, 2022, Department of Mathematics, Gauhati University, Guwahati, Assam, India.

Technical Skills:

- C-Programming
- Programming in Fortran-77
- UNIX Shell Scripting
- Oracle PL/SQL
- Knowledge in reporting-tools like Business Objects and OBI (Siebel Analytics)
- Knowledge in ETL-tools like Ab-Initio and OWB (Oracle Warehouse Builder).
- Microsoft Office
- LaTeX
- MATLAB

Professional Experience:

1. Dec 2006 to Jul 2011 : Systems Engineer in Tata Consultancy Services Ltd.
2. Jul 2013 to Dec 2017 : Lecturer in Rajiv Gandhi University of Knowledge Technologies (Nuzvid, Andhra Pradesh).
3. Jun 2023 to Aug 2024: Assistant Professor in Moridhal College, (Moridhal, Dhemaji, Assam).
4. Since Aug 2024 : Assistant Professor in Jorhat Engineering College, Jorhat, Assam.