

Profile

1. Personal Details:

Mr. Harekrishna Deka

Assistant Professor in Mathematics,
Hiranya Chandra Bhuyan school of Science and Technology
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Profile Summary: Harekrishna Deka is associated with Krishna Kanta Handiqui State Open university since 2011. He is an assistant Professor in the Hiranya Chandra Bhuyan school of Science and Technology at KKHSOU, Guwahati.

Field of Specialisation: Pure Mathematics (Modern Algebra & Functional Analysis)

Language Proficiency: Read, write and speak Assamese, English, Hindi

2. Educational Qualifications:

M. Sc (Mathematics) from Gauhati University, 2003

3. Teaching Experience: 15 years

4. Other Publications:

1. '*Introduction to vectors*'; Coordinate Geometry & Vector Analysis, ISBN:978-938912333-3, kkhsou SLM (2017)
2. '*Product of Vectors-I*'; Coordinate Geometry & Vector Analysis, ISBN: 978-938912333-3, kkhsou SLM (2017)
3. '*Product of Vectors-II*'; Coordinate Geometry & Vector Analysis, ISBN: 978-938912333-3, kkhsou SLM (2017)
4. '*Conditional probability*'; Statistics for Management, ISBN: 978-938794039-0, kkhsou SLM (2019)
5. '*Linear Programming*'; Project Management and Operation Research, ISBN :978-93-89559-43-9, kkhsou, SLM (2019)
6. '*Graphical method of solution for LPP*'; Project Management and Operation Research, ISBN :978-93-89559-43-9, kkhsou, SLM (2019)
7. '*Introduction to Mathematical logic*'; Discrete Mathematics, kkhsou SLM (2018)
8. '*Tautology & Contradiction*'; Discrete Mathematics, kkhsou SLM (2018)
9. '*Determinant*'; Classical Algebra & Trigonometry, kkhsou SLM (2017)
10. '*Eigenvalues and Eigenvectors*'; Classical Algebra & Trigonometry, kkhsou SLM (2017)
11. '*DeMoivre's Theorem and its application*'; Classical Algebra & Trigonometry, kkhsou SLM (2017)
12. '*Expansion of Trigonometric Functions*'; Classical Algebra & Trigonometry, kkhsou SLM (2017)
13. '*Hyperbolic Function*'; Classical Algebra & Trigonometry, kkhsou SLM (2017)
14. '*Logarithm of complex number*'; Classical Algebra & Trigonometry, kkhsou SLM (2017)
15. '*Partial Differentiation*'; Differential Calculus, kkhsou SLM (2018)
16. '*Extreme Value of a Function of Several Variables*'; Differential Calculus, kkhsou SLM (2018)
17. '*Jacobians*'; Differential Calculus, kkhsou SLM (2018)
18. '*Lagrange Method of undetermined Multiples*'; Differential Calculus, kkhsou SLM (2018)
19. '*Partial Differential Equation*'; Integral Calculus and Differential equation, kkhsou SLM (2019)
20. '*Partial Differential Equation*'; Integral Calculus and Differential equation, kkhsou SLM (2019)
21. '*Linear Partial Differential Equation*'; Integral Calculus and Differential equation, kkhsou SLM (2019)

5. Seminars/Conferences attended:**National:**

1. Participated in the “*National Conference on Social Sector Development and Governance Issues in the North-East*” organized by KKHSOU, 28th & 29th November 2015.
2. Participated in the National Seminar on Gender Sensitisation in India’s North East: Issues and Challenges, 5th -6th March 2020.
3. Presented a paper titled “SIR Mathematical Model and Covid-19” on NATIONAL CONFERENCE ON ADVANCED MATHEMATICAL & APPLIED SCIENCES (NCAMAS 2020) organized by Department of Mathematical Sciences, Bodoland University, Kokrajhar during July 1 & 2, 2020.
4. Attended in a webinar on the topic “Art of Learning Mathematics “on 8th June 2020 conducted by Royal Global university, Guwahati
5. Attended a webinar organized by central library of KKHSOU on the topic “Ethical Issues and use of Anti Plagiarism for the Academic Integrity”, 26th April, 2020

International:

1. Attended a webinar “Commemorating 75th Anniversary of the Victory of the soviet People in the great Patriotic War”, Indian Association of Teachers of Russian Language and literature in collaboration with KKHSOU on 8th May, 2020
2. Participated in the international online conference on “Teaching-Learning in the time Pandemic: Role of online learning” organized by KKHSOU, Guwahati in collaboration with CEMCA, New Delhi ,21 to 22 April ,2020.
3. Attended in the international Virtual seminar on the topic “A Powerful impact of Mathematics and its application to the world “on 17th June 2020 organized by Govt.Narmada College, Hoshangabad, MP.

6. Workshops/Training Programmes attended:

1. Workshop on “*Open Educational Resources for Development*” organized by Commonwealth Educational Media Centre for Asia, New Delhi in collaboration with KKHSOU, October 2014, Guwahati.
2. Attended the workshop on “*Anger and Stress Management*” organized by KKHSOU, 23rd - 24th July 2016, at Cotton College, Guwahati.
3. Attended the Workshop on “*Techniques and skill development on Question paper setting*” on 21 April, 2017 organized by KKHSOU.
4. Attended the Workshop on “*Development of MOOCs using OER*” on 4th May 2017 organized by KKHSOU.
5. Attended in the National Workshop on ‘*Quality Issues in Developing/Revising of Self Learning Materials in Open and Distance Learning*’ organized by STRIDE from 10-16 July, 2017, IGNOU
6. Attended a two-day workshop and training programme organized by the Centre for Quality Assurance (CIQA) of KKHSOU “*Skills required in preparing the Self learning materials (SLM)*”, 18th and 19th November, 2018
7. Attended one day workshop on “*Moving towards Choice Based Credit System (CBCS) and the NAAC’s Assessment and Accreditation by KKHSOU: A Road Map*” on 5th March, 2018, KKHSOU Headquarter, Patgaon, Rani.
8. Attended two-day workshop on “*Adoption and Development of MOOCs*” on 28th and 29th June, 2018, KKHSOU, IIBM, Guwahati
9. Attended a workshop on ‘*Intellectual Property Rights (IPR)*’ on 13th August, 2019, organized by KKHSOU
10. Attended one day workshop on “*Training Programme on Organisation wide Quality Management*” organised by KKHSOU on 1st November, 2019.
11. Completed 4-day Online workshop on Capacity Building of Teaching and Academic Staff of KKHSOU on ‘*Development of MOOCs for OD L Learners*’, (IST: 10:30 AM-1:30 PM) 22-25 June 2020.

7. Professional Programmes Completed:

1. Successfully completed the UGC sponsored Orientation Programme, HRDC Gauhati University, 5th to 25th February, 2020
2. Completed 5-day National level Online Faculty Development Program on “E-Teaching and E-Learning”, 29th June-3rd July, 2020.
3. Completed 7-day Online Faculty Development Program on “Research Methodology “Organized by Kumar Bhaskar Varma Sanskrit And Ancient Studies University & Barbhag College held from 24-30 June, 2020.

8. Administrative Experiences:

1. Served as an Examination Monitoring Officer, 2018, KKHSOU
2. Involved in the preparation of SSR for NAAC Criteria IV- Infrastructure and Physical Facilities, KKHSOU
3. Experience as Coordinator of central jail study centre, KKHSOU, Guwahati
4. Experience as Zonal officer of different examination of KKHSOU, Guwahati
5. Experience as Supervisory officer in various examination conducted by KKHSOU.

9. Membership in National/International Forum/Association:

Life member of Assam Academy of Mathematics

10. Any other relevant personal information not covered above.

1. Audio-Video Materials:
 - Video discussion based on BA(Mathematics) programme for 'Ximar Poridhi Bhangi' at Prag TV, 2018.
 - Video Program on a unit 'Set theory'.
 - Video program on a unit 'Matrix'
 - Video program on a unit 'Determinant'
 - Video program on a unit 'Eigen values and Eigen vector'
 - ppt video on 'Combinatorics'
 - ppt video on 'Probability'
