

Profile

1. Personal Details:

Tapashi Kashyap Das (Ph. D)

Assistant Professor in Computer Science
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Profile Summary: Tapashi Kashyap Das is an Assistant Professor in Computer Science, under the Hiranya Chandra Bhuyan School of Science and Technology, Krishna Kanta Handiqui State Open University, Guwahati. She is mainly engaged in co-ordinating, teaching, developing Self Learning Materials of Degree and PG level programmes offered by the department. Her wider areas of research include *Speech Processing, HMM, Speech-to-Text Conversion in Synchronous distance learning* etc.

Field of Specialisation: Speech Processing

Scholarly Interest: Speech and Image Processing, Neural Network, Computer Networks, e-learning, Open and Distance Education.

Language Proficiency: Assamese, English, Hindi

2. Educational Qualifications:

- Ph.D from Gauhati University, 2014
- M.Sc. in Computer Science from the Department of Computer Science, Gauhati University, 2003
- PG Diploma: DOEACC 'A' level from NIELIT, 2001
- Post Graduate Diploma in Distance Education from IGNOU (Pursuing 2019-20)

3. Work Experience:

Teaching Experience: 15 years (13 years at KKHSOU)

Professional Experience: 1 year 6 months

Worked as a Computer Programmer at AMTRON, Guwahati, 2004

Worked for one year as a Computer Trainee at Computer Centre, IIT Guwahati, 2005

4. Experience in Supervising Dissertation/Thesis:

- Supervising PG and UG level projects/dissertation since 2011
- Ph.D Guideship since 2017
- Presently supervising two Ph.D research scholars

5. Journal Publications:

1. Das, T.K., & Talukdar, P.H. (2013). Cepstral Analysis of Assamese Vowel Phonemes. *International Journal of Advances in Computer Science and Technology*, 2(9). (ISSN: 2320 – 2602)
2. Das, T. K., Talukdar, P. H. (2015). Hidden Markov model-based Assamese vowel phoneme recognition using cepstral features. *International Journal of Information and Communication Technology*, 7(2-3), 218-234. (ISSN online: 1741-8070, ISSN print: 1466-6642) Inderscience, 2015 (**Scopus**)
3. Mahanta Kashyap, Das, T.K., Khataniar G.P. (2019). Importance of Open and Distance Learning (ODL) in Assam: a Study with Special Reference to KKHSOU", *International Journal of Scientific Research and Reviews*, 8(2), 01-13 (ISSN: 2279-0543) (**UGC approved number 63179**)

6. Chapters/Research Papers in Books:

1. Book chapter entitled “*Role of Distance Education in Healthcare*” published in “An Eclectic Study on Yoga, Physical Education and Developmental Skills”, 90-95, March 2018. ISBN 978-93-87263-39-0
2. Das, T.K., & Senapati, C. (2017). “*An ICT-Based Framework for Agricultural Development in Rural Assam*”, in the Conference Volume of selected paper in International Conference on Developmental Interventions and Open Learning for Empowering and Transforming Society, 291-304, Dec’2017. ISBN 978-81-934669-0-2
3. Research paper entitled “*Speech to Text Conversion in Synchronous Distance Learning*” in the Proceedings of Symbiosis International Conference on Open and Distance Learning, February 2011, Pune, India.
4. Research paper “*Speech to Text Conversion using HMM*” in the Proceedings of National Conference on Computational Intelligence and Signal Processing (CISP) 2011, Guwahati, India.

7. Other Publications:

1. ‘*Introductory Concept*’; Computer Programming using C, 978-93-87940-19-2, slm KKHSOU, 2018
 2. ‘*Functions*’; Computer Programming using C, 978-93-87940-19-2, slm KKHSOU, 2018
 3. ‘*Operators and Expressions*’; Computer Programming using C, 978-93-87940-19-2, slm KKHSOU, 2018
 4. ‘*Conditional Statements*’; Computer Programming using C, 978-93-87940-19-2, slm KKHSOU, 2018
 5. ‘*Introduction to Computer Network*’; Fundamentals of Networking and Web Technology, 978-93-87940-20-8, slm KKHSOU, 2018
 6. ‘*Network Device*’; Fundamentals of Networking and Web Technology, 978-93-87940-20-8, slm KKHSOU, 2018
 7. ‘*Network Topology*’; Fundamentals of Networking and Web Technology, 978-93-87940-20-8, slm KKHSOU, 2018
 8. ‘*Data Transmission*’; Fundamentals of Networking and Web Technology, 978-93-87940-20-8, slm KKHSOU, 2018
 9. ‘*Transmission Media*’; Fundamentals of Networking and Web Technology, 978-93-87940-20-8, slm KKHSOU, 2018
 10. ‘*Microsoft Word-Part I*’; Computer Fundamentals and PC Software, 978-93-87940-18-5, slm KKHSOU, 2018
 11. ‘*Microsoft Word-Part II*’; Computer Fundamentals and PC Software, 978-93-87940-18-5, slm KKHSOU, 2018
 12. ‘*Stack*’; Data Structure Through C Language, 978-93-89123-03-6, slm KKHSOU, 2019
 13. ‘*Searching*’; Data Structure Through C Language, 978-93-89123-03-6, slm KKHSOU, 2019
 14. ‘*File structure and Organization*’; Fundamentals of Database Management Systems, 978-93-89123-02-9, slm KKHSOU, 2019
 15. ‘*Relational Databases*’; Fundamentals of Database Management Systems, 978-93-89123-02-9, slm KKHSOU, 2019
- Numbers of SLM units written for BCA, MCA, PGDCA programme which are adopted by two other universities namely *Uttarakhand Open University, Uttarakhand* and *Vardhman Mahaveer Open University, Rajasthan* through MoU with KKHSOU (**during 2010-2014**)
 - Numbers of SLM units written for BPP, CCA, D.El.Ed. Programme published by KKHSOU (**during 2008-2017**)
 - **Working paper:** Published a working paper entitled ‘*A study on perception on MOOCs in Engineering Colleges*’, KKHSOU, 2019.

As Book/Journal Editor:

Edited Computer Paper of MBA Self Learning Material, KKHSOU, and numbers of chapters for BCA, PGDCA programme.

8. Seminars/Conferences attended:

National

1. Participated in the National Webinar entitled “*Artificial Intelligence in Healthcare*” organized by Department of Computer Science and Electronics, USTM, Meghalaya on 8th June 2020.
2. Attended a webinar organized by BAOU Gujarat, on the topic “*Relevance and importance of Open and Distance learning in present time*” 6th June 2020.
3. Attended in the “*National Conference on Social Sector Development and Governance Issues in the North-East*” organized by KKHSOU, 28th & 29th Nov’ 2015.

4. Presented a paper in the “*National Conference on Computational Intelligence and Signal Processing (CISP) 2011*”, March 2011, Guwahati, India.
5. Attended in the *National conference on Economic Development of Assam*, December 2010, KKHSOU, Guwahati, Assam.
6. Attended the *Northeast Information and Communication Technology Conference*, August, 2009, Guwahati, Assam.
7. Participated in the *National Conference on e-SLM Content Design and Development*, March, 2008, Jadavpur University, Kolkata.
8. Participated in the *National Seminar on Convergence of Knowledge Management and Quality Assurance in e-SLM*, March 2008, Jadavpur University, Kolkata.

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, dated 8th May 2020.
2. Presented a paper entitled “*Online Learning in the time of COVID-19 in India: a study*” in the *Two-day International Online Conference on Teaching-Learning in the Time of Pandemic: Role of Online-Learning*, 21-22 April 2020 organized by CEMCA and KKHSOU.
3. Presented a paper entitled “*An ICT-based Framework for Agricultural Development in Rural Assam*” in the *International Conference on Developmental Interventions and Open Learning for Empowering and Transforming Society*, December 2017, Guwahati.
4. Presented a paper in entitled “*Speech to Text Conversion in Synchronous Distance Learning*” in *Symbiosis International Conference on Open and Distance Learning*, February 2011, Pune, India.

9. Workshops/Training Programmes attended:

1. Attended online training programme on “*E-content creation and E-learning through MOOCs*” organized by *Department of Library and Information Sciences*, Gauhati University in association with Assam College Librarians’ Association (ACLA) on 4th June 2020.
2. Attended a one day training programme organized by Central Library of KKHSOU on the topic “*Ethical Issues and use of Anti Plagiarism for the Academic Integrity*”, 26th April’ 2020
3. Attended a three day workshop on “*Course Designing Workshop on Diploma in ICT in Education*” at SCERT, Assam, Kahilipara, 2019.
4. Attended a workshop on ‘*Intellectual Property Rights (IPR)*’, organized by KKHSOU on 13th August, 2019.
5. Attended two-day workshop on “*Adoption and Development of MOOCs*” on 28th and 29th June, 2018, KKHSOU, IIBM, Guwahati.
6. 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.
7. Attended the Workshop on “*Development of MOOCs using OER*” on 4.5.2017 organized by KKHSOU.
8. Attended the Workshop on “*Development of MOOCs using OER*” on 4th May 2017 organized by KKHSOU.
9. Attended the workshop on “*Anger and Stress Management*” organized by KKHSOU, 23rd - 24th July 2016, at Cotton College, Guwahati.
10. Attended workshop on “*Open Educational Resources for Development*” organized by Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi in collaboration with KKHSOU, October 2014, Guwahati.
11. Participated in the workshop on “*SLM writing and Research Methodology*” organized by KKHSOU, Guwahati in collaboration with Distance Education Council, New Delhi, March 2013.
12. Attended F.D.P. on *Entrepreneurship* from 15 February 2010 to 26th February 2010 at Indian Institute of Entrepreneurship, Guwahati.
13. Five (5) days participations in the “*National Workshop on Research in Distance and Online Learning*”, November 23-27, 2009, organized by STRIDE, IGNOU, New Delhi.
14. Workshop on Producing Open and Distance Learning Courseware using Metamorphosis, June-July, 2009, Krishna Kanta Handiqui State Open University, Assam.
15. Attended ‘*The sixth regional consultation on Community Radio Awareness*’, January, 2009, Guwahati, Assam.
16. Attended ‘*Post Conference Workshop IDEA 2008*’ STRIDE and IGNOU, November 2008.
17. Workshop on “*Developing Study Skills and Communication Skills in Distance Learners of the North-East Region of India*”, organized by Stride, IGNOU on November 17th 2008 sponsored by EDNERU, IGNOU in collaboration with IDOL, Gauhati University and KKHSOU.

18. Workshop on “*Development of Self Learning Material*”, December 2007, Krishna Kanta Handiqui State Open University, Guwahati, Assam.

10. Professional Programmes Completed:

1. Successfully completed UGC sponsored *Refresher Course* on “*Machine Learning*” at HRDC, Gauhati University, Assam (29th Jan’ 2020 - 11th Feb’ 2020).
2. Successfully completed UGC sponsored *Refresher Course* “*Yoga, Physical Education and Soft Skill*” at HRDC, Gauhati University, Assam (7th March 2018 - 27th March 2018).
3. Successfully completed UGC sponsored Orientation Programme at HRDC, Gauhati University, Assam (23rd Feb’2017 - 22nd March 2017).
4. Completed the Five Days Online FDP on “*Digital Image Processing with Research Methodology*” organized by Karpagam College of Engineering, Coimbatore from 15-06-2020 to 19-06-2020.
5. Completed the COL online course on *Understanding Open Educational Resources using Technology-Enabled Learning Lounge* on 23rd June 2020.
6. Completed 4-day online workshop on *Capacity Building of Teaching and Academic Staff of KKHSOU on ‘Development of MOOCs for ODL Learners’*, 22-25 June 2020.
7. Participated in the three-day Online Workshop on “*Capacity Building of Academic Counsellors of KKHSOU*”, scheduled during 16, 17 & 18 June, 2020, organised by KKHSOU, Guwahati, Assam, in collaboration with Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi.

11. Experience in Organising Conference/Seminars/Webinars/Workshop/Event:

1. Organized Departmental event “*Computer Security Day*” twice in Computer Science Department under the Hiranya Chandra Bhuyan School of Science and Technology KKHSOU (2018, 2019)
2. Conducted workshop on “*Counseling the Counsellors of BCA*”, Dec’ 2011
3. Conducted workshop on “*Counseling the Counsellors of BCA*”, Dec’ 2010

12. Resource person/Expert appointed:

1. Appointed as an expert for evaluation of Computer Books & Courses at Assam Electronic Development Corporation Ltd, Ref.no: AEDC/RGCEP/BOOKS/130/1103 dated 17th May 2014.

13. Administrative Experiences:

1. Member of Publication Committee III: Working papers and Occasional papers, 2020
2. Member of the task group “*Social and Industry Connect*”, UGC Quality Mandate, 2020
3. Member of NAAC Criterion Committee (2017 onwards)
4. Member of various committees of KKHSOU Convocation 2014, 2017, 2019.
5. Appointment as Examination Monitoring Officer for the year 2018.
6. Member of ICT support team, Reception and Registration Committee in the International Conference on
7. Developmental Interventions and Open Learning for Empowering and Transforming Society, December 2017, Guwahati, organized by KKHSOU.
8. Member of “*Mother Teresa Social Welfare Mission*” 2018 of KKHSOU
9. Member of Monitoring Cell for improving the quality of the KKHSOU ICT Enabled Programmes (2016)
10. Members of Re-design and Up-gradation of KKHSOU website committee (2015)
11. Member of Examination Discipline Committee (2015)
12. Member of Grievance Redressal Committee (2013-14)
13. Member of making preliminary draft of curriculum of new programme for two year Bachelor Preparatory Programme (BPP), 2013.

14. Research & Consultancy Projects:

1. Completed a minor project CMS based KKHSOU website in one and half year with two other project investigators (2015-16)

15. Membership in National/International Forum/Association:

1. Life member of Computer Society of India, Andheri (E), Mumbai-400 093, Maharashtra, India.

16. Any other relevant personal information not covered above:

1. Audio-Visual Programmes:
 - PowerPoint video with voiceover on “Software Life Cycle Model”, Software Engineering of BCA Programme
 - PowerPoint video with voice over on “System Development Methodologies”, Software Engineering of BCA Programme
 - PowerPoint video on “Functions in Programming” of BCA/PGDCA Programme
 - A discussion on various programmes offered by Computer Science Department, HCB Scholl of Science and Technology, KKHSOU at Prag News channel, Assam
2. Taking counselling classes at KKHSOU City Study Centre, Guwahati since its inception.
3. Taken counselling classes at KKHSOU Central Jail Study centre, Guwahati for CCA, BCA, MCA programme learner (2008-2018)
4. Act as a session coordinator, rapporteur, transcript writer in a Technical Session in National Seminar on Gender Sensitisation in India’s North East: Issues and Challenges, entitled “*Challenges for women leaders in the context of Work Life Balance*”, 5th -6th March 2020.
5. External Examiner for Project Evaluation at Cotton College, Guwahati, Assam
6. External Examiner for Project Evaluation at NERIM, Guwahati, Assam
7. External/Internal Examiner for Project/Practical Evaluation at KKHSOU study centres, Assam
