**Academic Profile**

Name: Dr.Kshirod Sarmah.

Designation: Assistant Professor, Deptt. Of Computer Science (At Present)

Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya (PDUAM) A Govt. Model College of Science ,Amjonga, Goalpara,Assam.

E-mail Id :[kshirodsarmah@gmail.com](mailto:kshirodsarmah@gmail.com)

Contact No.: 94018-00625/91019-27881(M)

**Educational Qualification:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree/Certificate** | **Board/University** | **Subject/Branch** | **Year** | **Percentage of Marks** |
| Ph.D | Rajiv Gandhi University | Computer Science and Engineering | 2015 | 72.00%  (Course Work) |
| Master of Science | Gauhati University | Computer Science | 2003 | 69.1% |
| Bachelor of Science | Gauhati University | Mathematics | 2001 | 60.0% |
| H.S(Sc.) | AHSEC | Math,Phy,Chem,Bio,Eng,Ass | 1997 | 59.6% |
| HSLC | SEBA | Math,Sci,Social,Eng,Adv.Math,Ass | 1995 | 71.5% |

**Research Topic: “**Design and Development of a Speaker Verification System in Multilingual Environment.”

Junior Research Fellow

* Project entitled “ *Development of a Person identification system based on Speaker Verification to control the access of resources in a typical computer laboratory environment”,* Funded by Department of Information Technology (DIT), Govt. of India, in the Department of Computer Science and Engineering, Rajiv Gandhi University, Rono Hills, Itanagar.(From 10th August 2010 to 31th August 2013)
* Duration of Research Experience: Four and half years.

**Area of Research**

Speech Signal Processing, Speaker Verification, Machine Learning.

**Teaching Experience:**

* Assistant Professor and former HOD in the Department of Computer Science at PDUAM, A Govt. Model College of Science, Amjonga, Goalpara,Assam from 5thAugust 2017 to Till Date.
* Assistant Professor and HOD in the Department of Computer Science at NERIM Group of Institutions, Guwahati from 20thJanuary 2007 to 4th August 2017.
* Total Teaching Experience:**12 years**.
* Question Paper Setter and External and Internal Examiner under Gauhati University and Dibrugarh University.

**List of Publications in International /National Journals/Conferences**

1. Utpal Bhattacharjee And Kshirod Sarmah, “A Multilingual Speech Database for Speaker Recognition”, *Proc. IEEE (indexing) ISPCC*, March 2012.
2. Utpal Bhattacharjee And KshirodSarmah,“ A Study on the Impact of Channel Variability on Speaker Verification System”. *IEEE Conference proceeding, ICECT*, April 2012.
3. Utpal Bhattacharjee And Kshirod Sarmah, “GMM-UBM Based Speaker Verification in Multilingual Environments”, *International Journal of Computer Science Issues (IJCSI)*.Vol. 9,Issue 6,No.2, ISSN:1694-0814, November 2012, pp.373-380.[**IF=0.242, UGC Approved**]
4. Utpal Bhattacharjee And Kshirod Sarmah, “Development of a Speech Corpus for Speaker Verification Research in Multilingual Environment”, *International Journal of Soft Computing and Engineering (IJSCE)* ISSN: 2231-2307, Volume-2, Issue-6, January 2013, pp. 443-446,[**IF=4.96,ISI indexing**]( DOI: <https://doi.org/10.35940/ijsce>)
5. Utpal Bhattacharjee And Kshirod Sarmah, “Speaker Verification Using Acoustic And Prosodic Features*”, Advanced Computing: An International Journal ( ACIJ )*, Vol.4, No.1, ISSN:2229-6727,January 2013,pp.45-51.[**IF=0.876], (DOI**: **10.5121/acij)**
6. Utpal Bhattacharjee And Kshirod Sarmah,“Language Identification System Using MFCC and Prosodic Features”, *Proc. IEEE (Indexing), (ISSP)* International Conference at Gujarat March 2013, pp. 194-197.
7. Kshirod Sarmah And Utpal Bhattacharjee, “Speaker Modeling Distance Normalization Technique in Multilingual Speaker Verification*”, International Journal of Electrical and Electronics Engineering Research (IJEEER),* ISSN (Print):2250-155X, ISSN (Online):2278-943X, Vol.3, Issue-2, June 2013, pp.319-326, [**IF=7.89**, **Indexing:Thomson Reuters]**.
8. Kshirod Sarmah And Utpal Bhattacharjee, “Study on the impact of Background Model in GMM-UBM based Speaker Verification in Multi-sensor environment.”, *International Journal of Computer Science and Engineering (IJCSE),*ISSN (Print):2278-9960,Vol. 2, Issue 4,Sept. 2013,pp. 9-16.[**IF= 5.98**, **Indexing: Thomson Reuters**].( https://www.iaset.us/ijcse)
9. Kshirod Sarmah And Utpal Bhattacharjee, “Multilingual Speaker Verification with Different Normalization Techniques”, *International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)*, ISSN: 2277-128X, Vol.3, Issue 12, December 2013,pp. 587-594. [**IF=2.08]**. (**URL:** [http://www.ijarcsse.com](http://www.ijarcsse.com/))
10. Kshirod Sarmah And Utpal Bhattacharjee, “GMM based Language Identification using MFCC and SDC Features”, *International Journal of Computer Applications (IJCA)*, ISSN: 0975-8887, Vol.85-No 5, January 2014, pp. 36-42. [**IF=0.82**]( **DOI :10.5120/ijca**)
11. Kshirod Sarmah And Utpal Bhattacharjee, “Improvement of Speaker Verification System with Feature Le vel and Score Level Normalization Techniques”, *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, ISSN (online):2320-9798, ISSN (print):2320-9801, Vol.2, Issue 2, February 2014, pp. 3119-3126. [**IF=7.19**]
12. Kshirod Sarmah And Utpal Bhattacharjee, “Text-independent multi-sensor speaker verification system”, *International Journal of Computer Science and Engineering (IJCSE),*ISSN (Print):2278-9960,Vol. 4, Issue 5,Aug-Sept.2015,pp.7-16.[**IF=5.98**, **Indexing:Thomson Reuters**].
13. Kshirod Sarmah And Utpal Bhattacharjee, “Enhancement of Multilingual Speaker Verification System with a New Approach”, *Proc. IEEE (INDIACom-2017),* International Conference at New Delhi, March 2017.**[Indexed in Scopus].**
14. Kshirod Sarmah, “Comparison Studies of Speaker Modeling Techniques in Speaker Verification System”,*International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE)*, E-ISSN: 2320-7639,Vol.5, Issue.5, October 2017,pp.75-82 [**IF=1.638**,**Indexing:Thomson Reuters, UGC Approved].(** **DOI:**[**10.26438/ijsrcse**](http://doi.org/10.26438/ijsrcse))
15. Kshirod Sarmah, Swapnanil Gogoi And Utpal Bhattacharjee “ A Language Dependent Speaker Verification System Using Different Normalization Techniques”,*International Journal of Research in Electronics and Computer Engineering (IJRECE)*, ISSN: 2393-9028 (PRINT ),ISSN: 2348-2281 (ONLINE),Vol.7, Issue.1, January-March 2019,pp.486-493 .(**IF=4.305, UGC Approved**).
16. Kshirod Sarmah and Swapnanil Gogoi, “Speaker Diarization with Deep Learning Techniques”, *Turkish Journal of Computer and Mathematics Education* (*TURCOMAT)*,ISSN: 1309-4653 ,Vol.11 No.3, December 2020,pp.2570-2582,(**Indexing Scopus, Impact Factor=0.31)**( <https://doi.org/10.61841/turcomat.v11i3.14309>)
17. Kshirod Sarmah, “Improvement of Speaker Verification Using Deep Learning Techniques,” *Advances in Intelligent Systems and Computing***,**Vol.1348, ISSN: 2194-5357*,****Springer****,*Feb.2022*,* pp.437-444. *(***Indexing Scopus***)*

(<https://doi.org/10.1007/978-981-19-4676-9_1>)

1. Sisir Kumar Rajbongshi, Kshirod Sarmah, Satyajit Sarmah, “Unveiling the Tapestry: Federated Learning Challenges and Opportunities in the Indian Educational Landscape”, Mathematical Statistician and Engineering Applications , ISSN: 2094-0343, Vol. 71 No. 2, December 2022, pp.747-762*. (***Indexing Scopus, Impact Factor=0.32***)*
2. Hem Chandra Das, Kshirod Sarmah, Deepak Hajoary, Raju Narzary,Rinku Basumatary, “Assamese Dialect Identification System using Convolution Neural Networks”, *International Journal of Membrance Science and Technology,* ISSN (online): 2410-1869, Vol. 10, No. 2, pp. 4340-4347, June 2023 **(Indexing Scopus, Impact Factor=1.0**)

DOI: <https://doi.org/10.15379/ijmst.v10i2.3519>

1. Kshirod Sarmah, Hem Chandra Das, Sisir Kumar Rajbongshi and Swapnanil Gogoi, “A Comprehensive Study on State-of-Art Learning Algorithms in Emotion Recognition”, *International Journal on Recent and Innovation Trends in Computing and Communication,* ISSN: 2321-8169, Volume: 11 Issue: 11*,* Nov. 2023*,* pp. 717-732. DOI: <https://doi.org/10.17762/ijritcc.v11i7.7788> *(***Indexing Scopus,****Impact Factor=1.376***)*
2. Sisir Kumar Rajbongshi, Kshirod Sarmah, Bikram Patir, Swapnanil Gogoi and Satyajit Sarmah “Fuzzy-based Augmentation of Federated Averaging for Enhanced Decentralized Machine Learning”, *International Journal on Recent and Innovation Trends in Computing and Communication,* ISSN: 2321-8169, Volume: 11 Issue: 11*,* Dec. 2023*,* pp. 1032-1038. *(***Indexing Scopus,****Impact Factor=1.376***)*
3. Hem Chandra Das, Kshirod Sarmah, Raju Narzary and Utpal Bhattacharjee, “Development of an Automated Assamese Dialect Translation System Based on Rule-Based Techniques: Conceptualization and Preliminary Implementation”, *Journal of Electrical System,* 20-3s (2024): pp.1339-1348, (ISSN 1112-5209) April 2024.**(Indexing Scopus, Web of Science, ISI Thomson Reuters, Impact Factor=0.70**) (DOI: <https://doi.org/10.52783/jes.1509>)
4. Kshirod Sarmah, Swapnanil Gogoi, Hem Chandra Das, Bikram Patir And Mrinal Jyoti Sarma “A State-of-arts Review of Deep Learning Techniques for Speech Emotion Recognition”, *Journal of Electrical System,* 20-7s(2024): pp.1638-1652, (ISSN 1112-5209) May 2024.**(Indexing Scopus, Web of Science, ISI Thomson Reuters, Impact Factor=0.70**) (DOI: <https://doi.org/10.52783/jes.3745>)
5. Kshirod Sarmah And Hem Chandra Das, “Unlocking the Power of Deep Learning for Nutrient Profiling of Black Rice in Goalpara, Assam: Discoveries and Perspectives” *International Journal of Science, Mathematics and Technology Learning(IJSMTL)* ISSN: 2327-7971 (Print) ISSN: 2327-915X (Online) Volume 32 No. 1, pp.451-471, May 2024.**(Indexing Scopus) (DOI:** <https://doi.org/10.5281/zenodo.11259638>)
6. Kshirod Sarmah, Hem Chandra Das, Dipen Nath And Dharmeswar Tarang “Speech Emotion Recognition Using Deep Federated Learning Techniques”, *Journal of Electrical System,* 20-10s (2024): pp. 5919-5929, (ISSN 1112-5209) September 2024.**(Indexing Scopus, Web of Science, ISI Thomson Reuters, Impact Factor=0.70**) (DOI: <https://doi.org/10.52783/jes.6512> )
7. Kshirod Sarmah, Rima Devi, Sagar Saikia And Biswadeep Borah “**Harnessing Deep Learning for Nutrient Analysis of Black Rice in Goalpara, Assam: Trends and Insights***”, African Journal of Biomedical Research,* Vol. 27(3s) October 2024: pp. 4057-4069, (ISSN 1119-5096).**(Indexing Scopus, Web of Science, Impact Factor=0.133)** (DOI: <https://doi.org/10.53555/AJBR.v27i3S.3106>**)**
8. Hem Chandra Das ,Kshirod Sarmah, And Raju Narzary “**Assamese Dialect Identification System Using Deep Learning***”, African Journal of Biomedical Research,* Vol. 27(3s) November 2024: pp. 5860-5873, (ISSN 1119-5096).**(Indexing Scopus, Web of Science, Impact Factor=0.133 )** (DOI :<https://doi.org/10.53555/AJBR.v27i3S.3441>**)**
9. Sagar Saikia,Kshirod Sarmah, Madhurjya Borah,Hrishiraj Sawan,Ankita Barbora, Joyita Das Gupta and Rima Devi “**Analysis of Heart Disease Prediction using Novel Machine Learning and Deep Learning Techniques**”, *Journal of Electrical System,* 20-11s (2024): pp. 2114-2125, (ISSN 1112-5209) December 2024.**(Indexing Scopus, Web of Science, ISI Thomson Reuters, Impact Factor=0.70**)
10. Biswadeep Borah, Kshirod Sarmah, Sahnaj Rahmatulla Laskar, Sagar Saikia, Abdur Rouf, Narghis Habiba Laskar and Ferdowsi Kawchar, “**The Role of Artificial Intelligence in Transforming University Employment: Insights from Guwahati, Northeast India**”, *Journal of Electrical System,* 20-11s (2024): pp. 2457-2466, (ISSN 1112-5209) December 2024.**(Indexing Scopus, Web of Science, ISI Thomson Reuters, Impact Factor=0.70**)
11. Kshirod Sarmah, Hem Chandra Das, Deepak Hajoary And Swapnanil Gogoi, “**Detection of Heart Disease Using Deep Federated Learning Algorithms**”, *Journal of Information Systems Engineering and Management (JISEM)*,10(25s) e-ISSN: 2468-4376, March 2025 (UGC Care,Indexing Scopus),pp.399-408.(IF=0.233)
12. Deepak Hajoary, Raju Narzary, Hem Chandra Das, Rinku Basumatary and Kshirod Sarmah“Analyzing Citation Dynamics and Forecasting Academic Trends: A Multi-Criteria Decision-Making Approach Using ARIMA and AHP”, *Communications on Applied Nonlinear Analysis (CANA)* ISSN: 1074-133X Vol. 32 No. 10s (2025),pp.313-328.(Indexing Scopus)
13. Daisy Sharmah, Kanak Chandra Bora, Kshirod Sarmah, Hem Chandra Das, Deepak Hajoary, Alakesh Gogoi, Mir Kashem Ali, Kabyashree Buragohain, “Integrating Honey Bee Load Balancing Algorithm with Role Based Access Control in Blockchain Technology to Minimise Response Time in Cloud Computing”, *Journal of Information Systems Engineering and Management (JISEM)*,10(33s) e-ISSN: 2468-4376, April 2025 (UGC Care, Indexing Scopus),pp.702-713.(IF=0.233)

**UGC-Sponsored Orientation Programme:**

Successfully completed one month duration UGC sponsored Orientation Programme from 7th February to 6th March, 2018 at HRDC Gauhati University, Assam.

**Paper Presentation in International Conference:**

1. *IEEE* International Conference on Signal Processing Computing and Control (*ISPCC -2012*), March 15-17, 2012, Organized by Dept. Of Electronics and Communication Engineering, Jaypee University of Information Technology, Shimla, India.
2. 4th*IEEE* International Conference on Electronics Computer Technology (*ICECT -2012*) held in Kanyakumari, India, 6th-8th April, 2012.
3. 4th*IEEE*International Conference on “Computing for Sustainable Global Development”, (*INDIACom-2017*) 01st - 03rd March, 2017 , Organized by BharatiVidyapeeth's Institute of ComputerApplications and Management (BVICAM), New Delhi (INDIA),India.
4. 3rd International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2020), *Springer (Scopus)* 23rd to 25th February,2022, Organized by Dept. of Computer Application and Science, Institute of Engineering & Management Group (IEM), India.

**Participation in National Conference:**

1. UGC sponsored National Conference on “*Multimedia Signal Processing*”, conducted by the Department of Computer Science and Engineering, Annamalai University, Tamil Nadu from 16th to 17th Feb,2011.
2. National Conference, “Computational Intelligence and Signal Processing” (*CISP 2011*, 2-3 March 2011) at Don Bosco College of Engineering and Technology, Assam.

**WORKSHOPS AND STAFF DEVELOPMENT PROGRAMMES (SDP)**

1. **DIT- “**Workshop on Speaker Verification: Development and Applications” (DIT-WSV) from 13-17 February, 2012 held at Dept. Of EEE and Dept. Of CSE, IIT Guwahati, India.
2. **Workshop** on “An Introduction to Natural Language Processing”. From July 11-15, 2011, held at Dept. Of CSE, Tezpur University. Assam.
3. **WISP 2013**: “Workshop on Image and Speech Processing”, held on 13th to 14th December, 2013 at the Indian Institute of Technology (IIT) Guwahati, India.
4. **One Week FDP** on “Testing and Quality Control of Plastic Products” Sponsored by AICTE, New Delhi Organized at CIPET, Guwahati from 10th to 21st March 2014.
5. **Coordinator of National Network Security Championship**-India grand success held association with ACM IIT Delhi at NERIM Group of Institutions, Guwahati from 22nd to 23rd April, 2014.
6. **One Week Workshop** on “Emerging Trends and Technologies in Computer Science”, 4th -10th January, 2016. Organized by Department of Computer Science, Gauhati University.
7. **Staff Development Programme** on Network Traffic Management using Soft. Computing conducted by NIT Durgapur sponsored by MHRD/AICTE Govt. Of India from 14th to 25th July,2008
8. **Staff Development Programme** on “Computer Networking with special reference to High Speed & Wireless Networking” conducted by Assam Engineering Institute sponsored by AICTE, MHRD Govt. Of India from 11th to 21st Feb,2008.
9. **Staff Development Programme** on “Computer Networks with reference to Web Technology” conducted by NERIM sponsored by AICTE, MHRD Govt. Of India from 19th to 31st January, 2009.
10. **Faculty Development Programme** on “Deep Learning” organized by E &ICT Academy IIT Guwahati, Assam from 16th to 21st December,2016.
11. Coordinator in a two-day workshop on "**Cloud Computing**" held during the period March 17–18, 2015, organized by **IFC3 India & Necromancers, IIT Bhubaneswar**, India.
12. Coordinator in a two-day workshop on "**Network Implementation & Security**," held during the period April 22–23, 2014, organized by Association for Computing Machinery **– IIT Delhi and Network Bulls**.
13. ISI-ADBU Summer School on Soft Computing Paradigm and Machine Intelligence Techniques, five-days’ workshop, organized by ISI Kolkata and ADBU, Guwahati.
14. Training Program to The Trainers programme of Finishing School under “Equity Initiative of RUSA Assam Conducted by EDUCATIVE at Gauhati Commerce College from 24th to 27th October 2017.
15. Training Course on “Information Security Management” Sponsored by DoPT, Govt. Of India, at Assam Administrative Staff College, Khanapara, Guwahati-22, from 7th to 9th January, 2019.
16. **One Week** 2nd National Workshop on Emerging Trends and Technologies in Computer Science, Organized By Dept. Of Comp.Sc.,GauhatiUniversity,Assam. From 11th to 17th March, 2019.
17. **Two WeeksTEQIP-III** sponsored Faculty Development Programme on “ **Machine Learning and Python Programming”** organized by the Deptt. Of CSE, Assam Engineering College from 22nd July to 1st August 2019.
18. **One Week Faculty Development Programme on “Mathematics for Machine Learning”** organized by AICTE Training and Learning (ATAL) Academy at NIT Arunachal Pradesh from 27th to 31st July,2021.
19. **One Week Faculty Development Programme on “Applications of Machine Learning”** organized by AICTE Training and Learning (ATAL) Academy at Rajiv Gandhi University, Arunachal Pradesh from 13th to 17th September,2021.
20. **One Week Faculty Development Programme on “Advanced Applications of Machine Learning”** organized by AICTE Training and Learning (ATAL) Academy at Rajiv Gandhi University, Arunachal Pradesh from 20th to 24th September,2021.
21. **Orientation Training Programme titled “Youth Development”** held at Gauhati University for NSS Programme Officers of Assam from 7th to 11th June,2022.
22. **One Week Faculty Development Programme on “MOODLE”** organized by department of CSE, GIMT, Guwahati from 20th to 24th June ,2022.
23. **One Week Orientation Training Programme for NSS Programme Officers** organized by IIE Guwahati in association with Regional Directorate of National Service Scheme Guwahati, Sponsored by Ministry of Youth Affairs &Sports, Govt. of India, from 29th August to 4th September 2022.
24. **Seven Days National Level FDP** on “**Teaching, Learning and Research**” organized by IOT Academy, Coimbatore, Tamilnadu, India from 19th to 25th June,2023.
25. **Seven Days National Level FDP** on “**Quality Teaching and Learning in HEI’s**” organized by IOT Academy, Coimbatore, Tamilnadu, India from 10th to 18th July,2023.
26. **Invite Talk as a Resource Person on topic: “Recent Trends in Research Methodology and Development of IT Skills”** Organized by the Department of Computer Application, School of Technology, Assam Don Bosco University,Guwahati Assam on 3rd October,2023.
27. **One Week Faculty Development Programme on “ Machine Learning and Predictive Analysis using Python”,** organized by National Institute of Technical Teachers Training and Research, Chandigarh ,India from 20th to 24th November,2023.
28. **One Week Faculty Development Programme (FDP-2024) on “ Artificial Intelligence in Advanced Teaching Learning”,** organized by AIU-University of Science and Technology Meghalaya ,India from 19th to 26th March,2024.
29. **One Week International Faculty Development Programme on “Advances in Computing and IT Revolution (ACIR-25)”,** Organized by Department of CSE,SSCSE, Noida,India from 10th to 15th February 2025.

**List of Published Books:**

1. Sarmah, K.(**2016**). **Introduction to Speaker Recognition**. Lambert Academic Publishing (LAP) an International Publishers with **ISBN :978-3-330-02017-7**.

**2.** Sarmah, K. And Rajbonshi, S. K. **(2019). *College Computer Science, Fundamental of Computer Science***, vol.1 Purbaion Publication, Guwahati with **ISBN : 978-93-88593-30-4.**

**3. Sarmah, K. (2022). *College Computer Science (Computer Networks), Vol. 1***, Ashok Book Publication, Guwahati with **ISBN : 978-93-90942-51-0.**

**Co-Editor of Books:**

1. **Title of the Book: *Futuristic Trends in Artificial Intelligence***

**Edition**: Volume 2, Book 16, 2022, IIP Proceedings , **ISBN: 978-93-95632-70-6**

Iterative International Publishers (IIP), K.M. Road Chikkamagaluru, Karnataka,India.

1. Title of the Book: ***Futuristic Trends in Computing Technologies and Data Sciences***

**Edition**: Volume 3, Book 2, 2024, IIP Proceedings , E-**ISBN: 978-93-6252-246-7**

**3.Title of the Book: *Algorithms and Complexity Theory***

**Edition:** Published by Gauhati University (GUCDOE), **May 2024,ISBN:978-81-964628-6-4**

**Book Chapters Publications:**

1. Book Chapter with the title, “ *Artificial Intelligence: A Blessing of Today’s the Age of Computer Science*,” in “Pragyan, A Bi-annual and Bi-lingual journal of Academic, Intellectual and Carrier Pursuit,” 2018, with **ISSN:0976-4283.**
2. Book Chapter title “The Role of Digital Technology in Higher Education System”, in AALORAN, Published by Purbyaon Publication, March 2018, with **ISBN: 978-81-92955-43-8.**
3. Book Chapter (Units 2: Data Representation) in the Book “Computer Organization and Architecture”, Post Graduate Self Learning Materials, Krishna Kanta Handique State Open University (KKHSOU). April 2019, with **ISBN: 978-93-89123-01-2.**
4. Book Chapter (Unit 3: Computer Arithmetic ) in the Book “Computer Organization and Architecture”, Post Graduate Self Learning Materials, Krishna Kanta Handique State Open University (KKHSOU). April 2019, with **ISBN: 978-93-89123-01-2.**
5. Book Chapter (Unit 10: Memory and I/O Interfacing) in the Book “Computer Organization and Architecture”, Post Graduate Self Learning Materials, Krishna Kanta Handique State Open University (KKHSOU). April 2019, with **ISBN: 978-93-89123-01-2.**
6. Book Chapter title “Process Management”, in the Book “Operating System”, Published by Gauhati University (GUCDOE), July 2023, with **ISBN: 978-81-964628-2-6.**
7. Book Chapter title “Vector Processing”, in the Book “Advanced Computer Organization and Architecture”, Published by Gauhati University (GUCDOE), July 2023, with **ISBN: 978-81-964628-1-9.**
8. Book Chapter title “Introduction to Computer Graphics”, in the Book “Computer Graphics and Multimedia”, Published by Gauhati University (GUCDOE), May 2024, with **ISBN: 978-81-964628-8-8.**
9. Book Chapter title “Types of Computer Networks”, in the Book “Data Communication and Computer Network”, Published by Gauhati University (GUCDOE), March, 2024, with **ISBN: 978-81-964628-5-7.**
10. Book Chapter title “IPC and Communication Protocols”, in the Book “Distributed System”, Published by Gauhati University (GUCDOE), October, 2024, with **ISBN: 978-81-982028-4-0.**
11. Book Chapter title “Naming Entities and Domain Name System (DNS)”, in the Book “Distributed System”, Published by Gauhati University (GUCDOE), October, 2024, with **ISBN: 978-81-982028-4-0.**

**Awards Obtained:**

**Research Excellence Award 2020 from Institute of Scholars for the publishing paper Title, “**Comparison Studies of Speaker Modeling Techniques in Speaker Verification System”, *International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE)*, **E-ISSN: 2320-7639**,Vol.5, Issue.5, October 2017,pp.75-82.

**Reviewer in International Conferences:**

1st International Conference on Emerging global Trends in Engineering and Technology, *Springer*, held on 6th to 7th March 2020, Organized by School of Technology, Assam Don Bosco University, Guwahati, India.

**Membership as Co-Editor/Reviewer International Journals**

1. **Member of the Editorial Board of International Journals** *International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR)*,ISSN(Print) : 2249-6831 ;ISSN(Online) : 2249-7943 ;Impact Factor(JCC) : 7.1293
2. **Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP) Membership as Reviewer of Scopus indexing UGC Approved International Journals**
3. International Journal of Engineering and Advanced Technology (IJEAT) Elsevier and Scopus Journal.
4. International Journal of Recent Technology and Engineering (IJRTE)

Elsevier and Scopus Journal.

1. International Journal of Innovative Technology and Exploring Engineering (IJITEE) Elsevier and Scopus Journal.
2. **Professional Membership**Computer Society of India (CSI) with MID-2021230005
3. **Members of IAENG** *(International Association of Engineers).*
4. **Reviewer:** International Journal of Basic and Applied Sciences.
5. **Professional Membership** in the Institute of Scholars with Lifetime Validity.

**TECHNICAL SKILL SET:**

Languages : C, C++, Core Java.

Engineering tools :MatlabProgramming.

Database :VB,Oracle , SQL, MySQL.

Web Programming: ASP.NET, JSP, PHP.

Operating Systems: Windows, UNIX, LINUX.

**SUBJECTS TEACHING:**

Computer Networks, Computer Architecture and Organization, Algorithm, Operating System, Data Structure, DBMS, Computer Graphics, Software Engineering, NLP, Theory of Computation. Web Technology, C,JAVA,C++, Matlab, Python.

**ADDITIONAL ADMINISTRATIVE AND RESEARCH EXPERIENCES:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No** | **Position and Institutions** | **Time Durations** | **Experience in years** |
| 1 | Research Assistant, Department of Computer Science and Engineering, Rajiv Gandhi University, Arunachal Pradesh. | From 10-08-2010 to 31-08-2013. | 3 Years |
| 2 | Head of the Department (HOD), Department of Computer Science, NERIM GROUP OF INSTITUTIONS, Guwahati, Assam | From 01-09-2014 to  04-08-2017 | 3 Years |
| 3 | Head of the Department (HOD), Department of Computer Science, PDUAM Amjonga, Goalpara | From 10-09-2017 to 09-09-2020 | 3 Years |
| 4 | IQAC Co-ordinator, PDUAM Amjonga, Goalpara | From 07-02-2018 to 06-02-2021. | 3 Years |
| 5 | National Service Scheme (NSS) Unit, Programme Officer, PDUAM Amjonga, Goalpara. | From 01-01-2022 to till date. | 3 Years |
| 6 | NAAC, Convenor, Criteria III: Research, innovations and Extension PDUAM Amjonga, Goalpara. | From 10-05-2022 to till date | 2 Years |
| 7 | Vice President, Institution Innovation Council (IIC) Unit, PDUAM Amjonga, Goalpara. | From 12-04-2023 to till date | 1 Year |
| 8 | Member of Computer Society of India (CSI) | From 13-04-2023 to till date | 1 Year |

**PhD Guideship:**

Recognized as Co-Supervisor of PhD programme in the Department of Computer Application at Assam Don Bosco University, Guwahati, Assam.

**DECLARATION**

I do here by declare that the above given information about me are true, correct and complete to the best of my knowledge and belief.

Place: Guwahati *Signature of the Candidate*

Date:-07.11.2024 

(Dr. Kshirod Sarmah)