CURRICULUM VITAE

Mausumi Das Nath

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SCHOLARSHIP

Received scholarship from TEQIP Phase II during September 2013-June 2015 for pursuing M.Tech (Information Technology) at RCCIIT, Kolkata.

PROFESSIONAL QUALIFICATION

- Pursuing Research work.

- M.Tech in Information Technology from RCCIIT under MAKAUT in 2015 (DGPA-8.67; YGPA-9.17).

- PGDIT(Post Graduate Diploma In Information Technology) from Symbiosis, Pune'2010.

- MCA(Master in Computer Application) from IGNOU, June' 2003.

- 'O' Level conducted by DOE(Govt. of India) in 1998.

- Post Graduate Diploma in Computer Science (2 years) from Lakhotia Computer Centre in 1997.

- Qualified Structured Systems Analysis & Design examination conducted by COMPUTER SOCIETY OF INDIA in September 1997.

TEACHING EXPERIENCES

- Faculty at St. Xavier's College(Autonomous), Kolkata for B.Com(Morn & Eve).

- Counsellor at Regional Centre(IGNOU),Kolkata and St. Xavier's College (Autonomous), for IGNOU (MCA papers).

- Served as a Guest lecturer at Jogomaya Devi College, Kolkata from Aug'2017 till Dec'2019.

- Served as a guest faculty at St. Xavier's College (Autonomous), Kolkata from Jan'2011 till Jun'2017 for B.Com and BBA and also, taught at St. Lawrence Campus .

- Served as a Teaching Assistant in the Department of Information Technology, RCCIIT, Kolkata.

- Served as an Assistant Professor at ABSS Institute of Higher Education for BCA, BBA department from Sept'2001 to July'2013.
  During the above tenure, carried out several academic-cum-administrative jobs like guiding several projects, subject allocation, class scheduling, conducting internal exams, attendance monitoring, etc.

- Served as a guest faculty at GLF School of Management (affiliated to Vidyasagar University) for MBA (Computer Application).

- Served as a guest faculty at Srimati Techno Institution (affiliated to Punjab Technical University) for BCA and MCA.

- Served as a Part Timer at Industrial Training Institute(General & Women) for teaching Computer Studies.

- Served as Counsellor at Dinabndhu Andrews College for CIC, BCA & MCA.

PROFESSIONAL ACTIVITIES

- Project supervisor for BCA & MCA.

- Invited as an external examiner for colleges affiliated to Calcutta University.

- Invited as Reviewer of Elsevier and other international journals.

- Invited as Resource Person for IGNOU-B.Ed Workshop II.

- Listed as an empanelment expert of O' level of NIELIT (formerly DOE).

- Assisted in writing a book chapter on Content based Video Retrieval.

- Examiner of BCA & MCA conducted by IGNOU.

- Ex-examiner and paper setter of WBUT (BCA).

PUBLICATIONS

- **Nath, M. Das,** and T. Bhattasali, "**Anomaly Detection using Machine Learning Approaches** ", Azerbaijan Journal of High Performance Computing, Vol.03(2) , pp.196-206,Dec 2020,Print ISSN: 2616-6127,Online ISSN:2617-4383, DOI: https://doi.org/10.32010/26166127/2020.3.2.196.206.pdf

- **Nath, M. Das**, and Agnihotri, M.A. "**A Review of the Revolutionizing Role of Big Data In Retail Industry**", accepted on 20th June'2020 for publication in Apple

Academic Press (a unit of CRC Press, Taylor & Francis Group, USA) as Conference Proceedings.

- Bhartia, D, and **Nath, M. Das, "Impact of Big Data on E-Commerce Websites",** accepted on 8th June'2020 for publication in Apple Academic Press (a unit of CRC Press, Taylor & Francis Group, USA) as Conference Proceedings.
- Nandan, Swaraj Kumar, and **Mausumi Das Nath**. "Impact Of Artificial Intelligence In Making Better Marketing Decisions In Healthcare Industries." *Our Heritage* 68, no. 8 (Jan-2020): 53-59. ISSN:0474-9030.
- **Nath, M. Das,** and T. Bhattasali "**SCMCI: Secured Click and Mortar Commercial Interaction**",53rd Annual Convention 2020, International Conference on "Digital Democracy-IT for Change", Jan'2020,Springer(**Accepted and Communicated**).
- **Nath, M. Das**, and Agnihotri, M.A. "Impact of M-Governance Amongst Citizens", YOUTHINK, Vol XIV, pp.264-269, Sept-2019,ISSN:2347-6222.
- **Nath, M. Das,** and T. Bhattasali, "Impact of Blockchain to Secure E-Banking Transaction", International Journal of Computer Sciences and Engineering, Vol.07 , Special Issue.18 , pp.1-6, May-2019, E-ISSN: 2347-2693.
- **Nath, M. Das**, and S. Karforma. "Object-Oriented Modelling Of Kerberos Based Authentication Process In E-Banking Transaction." , International Journal of Computer Sciences and Engineering, Vol.-6, Issue-9, Sep 2018, E-ISSN: 2347-2693.

- Bhaumik, H., Bhattacharyya, S., **Mausumi Das Nath** & Chakraborty, S. (2016). Hybrid soft computing approaches to content based video retrieval: A brief review. *Applied Soft Computing*.
- Bhaumik, H., Bhattacharyya, S., **Mausumi Das Nath**, Chakraborty, S. (2015, April). Real-Time Storyboard Generation in Videos Using a Probability Distribution based Threshold. In *Communication Systems and Network Technologies (CSNT), 2015 Fifth International Conference on* (pp. 425-431). IEEE.
- Published an article on Video Summarization in RCCIIT magazine "Iterate".

PARTICIPATION IN CONFERENCES/SEMINARS/WORKSHOPS

- Participated in an International Webinar on "**Artificial Intelligence & Data Science**" organized by Dept. of Software Development, B.Voc Studies & IQAC,Asutosh College, Kolkata on 11th & 12th June,2021.
- Participated in a 3-Day Webinar titled " **Security Awareness in Digital Tomorrow**" organized by CS-COE, Govt.of WB from 7th-9th June,2021.
- Participated and been a technical member in the Web Talk on "**Cyber Crime And The Law**", organized jointly by Department of Commerce(Information Technology and Law),in association with Department of Computer Science, St. Xavier's College(Autonomous),Kolkata, on 17th April,2021.
- Presented a proposed work titled "**Anomaly Detection using Machine Learning Approaches**" in an International Workshop organized jointly by Azerbaijan State Oil and Industry University, Baku and St. Xavier's College(Autonomous),Kolkata on 17th & 18th Nov,2020.
- Participated in the Webinar on "**Natural Language Processing**", organized jointly by St. Xavier's College(Autonomous),Kolkata ,Department of Computer Science and

Engineering, Meghnad Saha Institute of Technology in association with IEEE Computational Intelligence Society, Kolkata Chapter, IEEE Computer Society Student Branch Chapter, MSIT and ACM Student Chapter, MSIT on 3rd Oct,2020.

- Participated in the One day Live Webinar on "**Knowledge Engineering In Artificial Intelligence**", organized by the Department of Computer Science, St. Antony's College of Arts band Sciences for Women,Thamaraipadi, Dindigul, TamilNadu on 07.09.2020.
- Participated in the National Level Webinar on "**NEP-2020 A paradigm shift in Education**", organized by the internal Quality Assurance Cell of Dr. M.G.R. Educational And Research Institute, Chennai held on 02.09.2020.
- Participated in the webinar on "**Blockchain Technology**", organized by the Department of Information Technology, Dr. M.G.R. Educational And Research Institute, Chennai in association with Industry Institute Planning Cell on 29.8.2020.
- Presented paper titled "**Impact of Big Data On E-Commerce Websites**", in an International Conference On Emerging Trends In Science & Technology(ICETST-TECHMEET 2020) organized by PCMT,Kolkata on 21st & 22nd Aug,2020.
- Presented paper titled "**A Review of the Revolutionizing Role of Big Data In Retail Industry**", in an International Conference On Emerging Trends In Science & Technology(ICETST-TECHMEET 2020) organized by PCMT,Kolkata on 21st & 22nd Aug,2020.
- Participated in the Two-day Webinar on "**NAAC Assessment and Accreditation Process**", organized by Internal Quality Assurance Cell(IQAC) And Academic Council, St. Xavier's College(Autonomous),Kolkata on 30th and 31st July,2020 at 2.30PM.
- Completed successfully **Faculty Development Program** on "**Python for Data Science**", organized by the Department of Information Technology and Department of Computer Science & Engineering, Dr. M.G.R. Educational And Research Institute, in association with Imarticus Learning,Chennai held from 23.07.2020 to 25.07.2020 .
- Completed successfully **One Week Faculty Development Program** on "**Essentials for Blended Learning**", organized by the Department of Information Technology, Dr. M.G.R. Educational And Research Institute, Chennai held from 13.07.2020 to 20.07.2020 .
- Participated in the Two-day International Webinar on "**Managing Business in a Post COVID-19 World: Changes,Challenges and Strategies**", organized by Post Graduate and Research Department Of Commerce, St.Xavier's College(Autonomous), Kolkata in collaboration with IQAC Cell ,held on 18th & 19th July,2020.
- Participated in the National Webinar "**Pandemic And Natural Disasters: Understanding And Coping**", organized by Internal Quality Assurance Cell(IQAC) And Academic Council, St. Xavier's College(Autonomous),Kolkata on 11th and 12th July,2020.
- Participated in the Webinar on "**How to build a career in the IT industry after graduation days in this changed pandemic scenario with new ways of working**", jointly organized by the Department of Computer Science and the IQAC, Narasinha Dutt College, on 4th July,2020.
- Participated in the invited Web Talk on **Data Migration-Heads and Tails**, organized by Post Graduate Department of Computer Science, St. Xavier's College(Autonomous),Kolkata on 4th July,2020 at 11AM.

- Completed successfully **One Week Faculty Development Programme** on "**Open Source Tools for Research**", organized by Teaching Learning Centre, Ramanujan College, University of Delhi and sponsored by MHRD, Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching from June 08-June 14,2020.
- Completed successfully 10 hours online workshop on **Machine Learning**,organized by Nexgentics IT Services Pvt Ltd on 27th June'2020.
- Attended Faculty Development on "**Mindful Leadership:Invincible Wisdom in the Age of Artificial Intelligence"**, organized by St. Xavier's College (Autonomous), Kolkata in association with IIM Kozhikode,20th Feb'2020.
- Presented a research paper titled "**SCMCI: Secured Click and Mortar Commercial Interaction**" in the International Conference on "**Digital Democracy-IT for Change**", held during 16th-18th January,2020 at KIIT, Bhubaneshwar, organized by Computer Society of India.
- Been a technical member of 2ND International Conference On Innovative Business Practices In A VUCA WORLD , organized by Departments of Commerce & Management Studies, St. Xavier's College (Autonomous), Kolkata in collaboration with Department Of Commerce, University of Calcutta & Lincoln University College, Malaysia, 3rd-4th Jan,2020.
- Presented paper titled "**Impact of Artificial Intelligence in Making Better Marketing Decisions in Healthcare Industries**", at Two Day International Conference on Emerging Perspectives in Commerce, Economics, Environment and Management-Transformation of the Global Economy(ICCEM 2019) on 13th-14th September'2019, Departments of Commerce and Management Studies of St. Xavier's College (Autonomous),Kolkata in collaboration with Bengal Chamber of Commerce & Industry.
- **Two Day International Conference on Emerging Perspectives in Commerce, Economics, Environment and Management-Transformation of the Global Economy,** organized by Departments of Commerce and Management Studies of St. Xavier's College (Autonomous),Kolkata in collaboration with Bengal Chamber of Commerce & Industry,13th-14th September'2019.
- **One Day National Workshop On Plagiarism And Academic Integrity,** organized by Department of Information Technology and Fr. Verstraeten Library of St. Xavier's College (Autonomous), Kolkata on 31st August'2019.
- **7-Day UGC Approved National Workshop on Quantitative Research Methodology(using SPSS-AMOS-iThenticate),** organized by Departments of Commerce and Management Studies of St. Xavier's College (Autonomous), Kolkata from 8th August to 17th August,2019.
- **One Day National Seminar On "Data Science-The Key To The Future",** organized by Departments of Computer Science and Statistics on 22nd July'2019.
- **Participated in Music Therapy Lessons For Stress Relief,** organized by the Psychological Counselling Cell, IQAC, New Alipore College, on 14th May'2019.
- **Knowledge Workshop On Mobile Governance and Mobile Manufacturing**, organized by Department of Information Technology & Electronics, Government Of West Bengal on 18th April'2019.
- Presented paper titled "**Impact of Blockchain to Secure E-Banking Transaction**" at the International Conference on " Electrical, Electronics, Computer Science & Civil

Engineering TECH-MEET 2019,organized by Pailan College of Management & Technology, Joka, Kolkata held on 26th & 27th April, 2019 at Pailan, Kolkata.

- Presented paper titled "**Object-oriented Modelling of Kerberos Based Authentication Process In E-Banking Transaction**", at the First International Conference on Innovations in Computer Science(ICICS-2018) on 22nd December'2018, Department of Computer Science, University of Burdwan.

- Been an organizing team member in a One Day Skill Devlopment Programme on **Advanced Excel-A Professional Approach**, organized by Department of Information Technology(Commerce) of St. Xavier's College (Autonomous), Kolkata.

- Participated in the seminar on **Intellectual Property Law and Internet** held at St. Xavier's College(Autonomous),Kolkata, organized by the Department of Computer Centre and Central Computing Facilities.

- One Day Skill Development Programme, Workshop On GST Through Computerized Accounting, organized by Department of Information Technology(Commerce), of St. Xavier's College (Autonomous), Kolkata and Silicon Systems Kolkata.

- Prospects of NAAC Accreditation and Impacts of GST On Higher Education, organized jointly by IQAC, Harimohan Ghose College & The Institute of Cost Accountants of India.

- National Conference On Computing, Electronics & Electrical Engineering (NCCEEE), organized by Pailan College of Management & Technology.

- Seminar on MATLAB & Simulink, organized by the Department of Computer Science of St.Xavier's College(Autonomous), Kolkata with Elmax projects & Services Pvt. Ltd.

- TEQIP Phase II sponsored One week Staff Development Program on "MATLAB: Applications In Engineering", organized by the Department of Information Technology Of RCC Institute of Information Technology.

- Third International Conference on Emerging Applications of Information Technology (EAIT 2012),Organized by Computer Society of India Kolkata Chapter.

PERSONAL PROFILE
- **Languages Known**:   Bengali, English & Hindi
- **Interest:**   Music