

(Self-Declared Document)

Name	Ms. REEK ROY
Designation	Assistant Professor
Name of the Department	Computer Science
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Educational Qualification:

<u>Degree Name</u>	<u>Institute</u>	<u>Year of passing/awarded</u>
B.Sc. (HONS.) in Computer Science	St. Xavier's College (University of Calcutta)	2015
M.Sc. in Computer Science	St. Xavier's College (University of Calcutta)	2017
M.Tech. in CSE	RCC Institute of Technology (MAKAUT)	2019

Career Profile/Teaching Experience

1. Assistant Professor in Belda College since 2019 (3.5 years)

Specialization/Research Area

Optimization, Internet of Things (IoT)

Course/ Subject Taught

Operating System, MATLAB, Computer Architecture, Automata, Compiler, Computer Fundamentals

Publications in Journal / Book / Book Chapter**Papers**

<u>Title of the Paper</u>	<u>Journal Name with ISSN, Vol. etc.</u>	<u>Year of Publication</u>
A Comprehensive Study on Security issues in Android Mobile Phone – Scope and Challenges	International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN : 2349-2763	2016
A Pilot Study on Natural Language Processing – Applications of Finite State Automation	Current Trends in Technology and Science (Volume: 04. Issue: 06) (Oct-Nov 2015) ISSN: 2279-0535 Peer Reviewed	2015

Book/Book Chapter

Title of the Book	Publication Name with ISSN , Vol etc.	Year of Publication
Book Details: Smart Agriculture Automation Using Advanced Technologies - Data Analytics and Machine Learning, Cloud Architecture, Automation and IoT (pp 89-111) Series - Transactions on Computer Systems and Networks	Title: ML-Based Smart Farming Using LSTM First published: 1 January 2022 Springer, Singapore Hardcover ISBN: 978-981-16-6123-5 Softcover ISBN: 978-981-16-6126-6 eBook ISBN: 978-981-16-6124-2 Series ISSN: 2730-7484 Series E-ISSN: 2730-7492 https://doi.org/10.1007/978-981-16-6124-2_5	2022
Book Details: AI, Edge and IoT-based Smart Agriculture	Title: A Crop-Monitoring System Using Wireless Sensor Networking First published: 10 November 2021, Elsevier Paperback ISBN: 978-0-12-823694-9 eBook ISBN: 9780128236956 https://doi.org/10.1016/B978-0-12-823694-9.00003-7	2021
Book Details: AI, Edge and IoT-based Smart Agriculture	Title: Integration of RFID And Sensors In Agriculture Using IOT First published: 10 November 2021, Elsevier Paperback ISBN: 978-0-12-823694-9 eBook ISBN: 9780128236956 https://doi.org/10.1016/B978-0-12-823694-9.00003-7	2021
Book Details: AI, Edge and IoT-based Smart Agriculture	Title: Crop Management System Using IoT First published: 10 November 2021, Elsevier Paperback ISBN: 978-0-12-823694-9 eBook ISBN: 9780128236956 https://doi.org/10.1016/B978-0-12-823694-9.00003-7	2021
Book Details: Smart Healthcare System Design: Security and Privacy Aspects	Title: Cloud-Assisted IoT System for Epidemic Disease Detection and Spread Monitoring First published: 17 June 2021 2021 Scrivener Publishing LLC(Wiley) Print ISBN: 9781119791683 Online ISBN: 9781119792253 DOI:10.1002/9781119792253 https://doi.org/10.1002/9781119792253.ch5	2021
Book Details: Agricultural Informatics: Automation Using the IoT and Machine Learning	Title: Development of IoT-Based Smart Security and Monitoring Devices for Agriculture First published: 8 March 2021 2021 Scrivener Publishing LLC (Wiley) Print ISBN: 9781119768845 Online ISBN: 9781119769221	2021

	DOI:10.1002/9781119769231 https://doi.org/10.1002/9781119769231.ch8	
Book Details: Agricultural Informatics: Automation Using the IoT and Machine Learning	Title: IoT-Enabled Agricultural System Application, Challenges and Security Issues First published: 8 March 2021 2021 Scrivener Publishing LLC (Wiley) Print ISBN: 9781119768845 Online ISBN: 9781119769231 DOI:10.1002/9781119769231 https://doi.org/10.1002/9781119769231.ch11	2021
<u>Conference /Seminar/Workshop Attended/Organised:</u>		
1. Convener of 1st ETCSA 2020 National Webinar on “Applications of AI & Machine Learning: The Opportunities and Challenges” 2. Coordinator of Add-on Courses: Fundamentals of computers and Web Designing, Cyber Crime and Security		
<u>Invited Lectures :</u>		
<u>Member of Committee:</u>		
1. Honourable Member of the Syllabus Draft Committee of Archery for B.A. General Course of Raja Narendra Lal Khan Women’s College (Autonomous), Vidyasagar University 2. Convener of Cultural Sub-Committee of Belda College		
<u>Extra Curricular Activities:</u>		
ARCHERY:		
<ul style="list-style-type: none"> • Participated in the 2018 WAA’s (World Archery Asia) International Joint Training Program held in Dhaka, Bangladesh from 04th – 10th November, 2018. Won 2 Gold medals in the Individual and Team events respectively in the competition. • 10 times State Champion in Archery. • 10 times National participation and 2 times National Games (2011 and 2015) participation in Archery. • Awarded The TTEF Award for the Best Sportsperson by The Telegraph in 2009. • Awarded The Ardhek Aakash Award from The Kaler Khobor Patrika by the All India Editors & Journalists Guild and Indian Poets, Editors, Writer & Journalists Forum in 2015 for Archery. • Qualified as the National Judge in Archery game in 2021. 		
MUSIC:		
<ul style="list-style-type: none"> • Learning classical music, folk, devotional songs since last 10 years. Taken classes in ITC SRA (Sangeet Research Academy) Kolkata. • Participation in various music functions organized by West Bengal Govt. (Bangla Sangeet Mela), Bidhannagar Municipality Corporation (Salt Lake), etc. 		
ELOCUTION:		
Participation in various elocution and debate competitions organized by West Bengal Govt., Kolkata Police, Bidhannagar Book Fair.		
<u>Awards & Felicitations: (post joining)</u>		
<ul style="list-style-type: none"> • Team Silver medal in Archery's Compound Women's event at "7th Netaji Subhas State Games-2020" held in Sports Authority of India (SAI), Kolkata. Organized by: Bengal Olympic Association (BOA). Date: 25th & 26th January, 2020. • Individual 3rd (Bronze) in Compound Senior Women's event in 42nd State Archery Championship, 2020 held at Mahishadal, Purba Medinipur. Organized by: West Bengal Archers' Association (WBAA) Date: 29th February - 1st March, 2020. • Awarded the status of National Judge in Archery, secured 1st position in the examination in the 'East & North East Zone Judges and Technical Officials' Seminar' held at JRD TATA Sports Complex, Jamshedpur (Jharkhand) in 2021. Organized by: Archery Association of India (AAI) • Honoured at 'Bangla Sangeet Mela' at Madhusudan Mukto Mancha Organized by: Department of Information & Cultural Affairs, Govt. Of WB, (Bangla Sangeet Mela Committee) 		