: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Mr. Jayanta Chowdhury

Designation: Teaching Assistant

Department: Computer Science & Engineering

School: School of Computer Sciences & Engineering

Research Area: Cloud Computing, Serverless Computing, Machine Learning

Details of research portfolio of faculty:

   A. Researcher's ID details:

   Google Scholar ID: N/A   Orchid ID: NA

   Scopus ID : N/A   Vidwan ID: **512338**

   B. Publication details:

   1. **Conference proceedings/ Conference paper:**

Sl. No.	Name of the Conference	Title of the paper	Month & Year of Publication	Author(s) Name	National/ International	doi number (if any)	ISSN/ISBN no.
1	**International Conference on Integrative Science and Engineering**	**Harnessing Adaboosting Algorithm for Predictive Money Management**		1. **Rupsa Saha** 2. **Suhita Sen** 3. **Swastika Mitra** 4. **Saurav Saha** 5. **Jayanta Chowdhury**	**International**		
2	**International Conference on Integrative Science and Engineering**	**Expense Forecasting on Tourism: Prediction Model Using Random Forest Classifier**		1. **Deep Ash** 2. **Prerana Chakraborty** 3. **Shreya Debnath** 4. **Subir Gupta** 5. **Jayanta Chowdhury**	**International**		

3	International Conference on Integrative Science and Engineering	Revolutionizing Employee Job Performance Assessment with Decision Tree Classification		1. Abinash Pramanik 2. Avijit Chalak 3. Vishal Kumar 4. Sourav Saha 5. Jayanta Chowdhury	International		
4	International Conference on Integrative Science and Engineering	IPL Player Auction Price Forecasting through Multiple Linear Regression		1. Hritwik Sharma 2. Shubham Sharma 3. Ankur Samanta 4. Subir Gupta 5. Jayanta Chowdhury	International		
5	International Conference on Integrative Science and Engineering	Tip Trend: A Machine Learning Approach to Waiter Tip Prediction		1. Sujoyita Chakraborty 2. Sayani Paul 3. Ankur Biswas 4. Sohom Mukherjee 5. Jayanta Chowdhury	International		

2. **Book chapter:**

Sl. No.	Title of the book	Publishers	Author(s)Name (Highlight the corresponding and 1st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Applications of Internet of Things (IoT) in Smart Cities	Swami Vivekananda University	Member of School of Computer Sciences	2024	**978-81-974233-0-7**	
2	The Evolution and Future of Generative AI From Theory to Practice	Swami Vivekananda University	Member of School of Computer Sciences	2024	**978-81-974233-5-2**	

3	**Application of Machine Learning in Smart Education Technology**	Swami Vivekananda University	Member of School of Computer Sciences	2024	**978-81-974233-2-1**
4	**Sustainable and Predictive Analytics Model**	Swami Vivekananda University	Member of School of Computer Sciences	2023	**978-93-5967-752-1**

3. Patent/IPR granted:

Sl. No.	Name of the patent	Name of the applicant	Name of the inventor	Date of File	Date of Publication	Whether Granted (yes/no); If yes, Date of Grant	Application No.
1	**SHARP : A compiler incorprating Auto-Debugger with Floating Point Arithmetic And Variable Length of Data**	**Swami Vivekananda University**	1. Somsubhra Gupta 2. Chayan Paul 3. Jayanta Chowdhury 4. Pradip Sahoo 5. Aniket Dey 6. Manish Dubey **7.** Biswajit Chatterjee	26/07/2024	09/08/2024	No	202431056805 A
2	**Blockchain crowdfunding platform**	**Swami Vivekananda University**	1. Sangita Bose 2. Sourav Saha 3. Jayanta Chowdhury 4. Diganta Bhattacharyya 5. Arka Provo Naskar 6. Sneha Mondal 7. Faizal Khan 8. Munmun Ghosh 9. Sambit Paul	24/11/2024	29/11/2024	No	202431091485 A

3	**A Heart arrhythmia prediction using Artificial neural network**	**Swami Vivekananda University**	1. Sangita Bose 2. Arpita Samanta 3. Sourav Saha 4. Diganta Bhattacharyya 5. Jayanta Chowdhury	04/12/2024	13/12/2024	No	202431095820 A
4	**Motion Maze - where Gesture Lead to Gaming Adventures**	**Swami Vivekananda University**	1. Jayanta Chowdhury 2. Prof. somsubhra Gupta 3. Apurba Sarkar 4. Gautam Mondal 5. Ananya Das 6. Sourav Saha 7. Sangita Bose	30/11/2024	30/11/2024	No	202431094152 A
5	**cardiovascular Diseases Prediction using Multimodal Methodology in Deep Learning**	**Swami Vivekananda University**	1. Sumana Chakraborty 2. Anupam Chowdhury 3. Sourav Saha 4. Sangita Bose 5. Jayanta Chowdhury	28/11/2024	06/12/2024	No	202431093353 A
6	**Crime Pattern analysis and rate prediction**	**Swami Vivekananda University**	1. Suvayu Chattopadhyay 2. Shena Debnath 3. Jeet Bhattacharjee 4. Arijit Chakraborty 5. Arnab Nandi 6. Prof Somsubhra Gupta 7. Sangita Bose 8. Sourav Saha	29/11/2024	06/12/2024	No	202431093827 A

			9. Jayanta Chowdhury 10. Diganta Bhattacharya				
7	**Brain Tumor Prediction Using Machine Learning**	**Swami Vivekananda University**	1. Sumana Chakraborty 2. Promita Maji 3. Sourav Saha 4. Jayanta Chowdhury	27/11/2024	06/12/2024	No	202431092982 A
8	**Virtual Trial Room**	**Swami Vivekananda University**	1. Jayanta Chowdhury 2. Apurba Sarkar 3. Deep Ash 4. Suhita Sen 5. Rupsa Saha 6. Swastika Mitra 7. Tiyasha Patra 8. Sourav Saha 9. Sangita Bose	03/12/2024	13/12/2024	No	202431095278 A
9	**Face mask detection in real time**	**Swami Vivekananda University**	1. Beauty Mondal 2. Sangita Bose 3. Sourav Saha 4. Jayanta Chowdhury 5. Diganta Bhattacharyya	03/12/2024	13/12/2024	No	202431095248 A
10	**Parameter monitoring of incubator using IoT and Cloud**	**Swami Vivekananda University**	1. Sanjay Nag 2. M.s Debalina Ghosh 3. Sourav Saha 4. Sangita Bose 5. Jayanta Chowdhury	02/12/2024	13/12/2024	No	202431094855 A