

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: DIGANTA BHATTACHARYYA

Designation: ASSISTANT PROFESSOR

Department: ELECTRONICS & COMMUNICATION ENGINEERING

School: SCHOOL OF ENGINEERING

Research Area: Space Science and Communication using AI/ML

Details of research portfolio of faculty: A.

Researcher's ID details:

Google Scholar ID: W7cU6DsAAAAJ

Orchid ID: **0009-0007-7789-4152**

Scopus ID

Vidwan ID:421158

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.

2. Publications in SCI/Scopus indexed Journals:

Sl. No	Name of the Journal (mention SCI/scopus)	Title of the paper	Month & Year of Publication	Author(s) Name (Highlight the corresponding and 1 st author in every article)	doi number	Issue No. & Volume No.	Page no.	ISSN of the journal

3. Book chapter:

Sl. No.	Title of the book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Synergy in Science and Engineering: An Integrative Approach	<i>AkiNik Publications</i>	M Ashique, D Bhattacharyya	2024	978-93-6135-058-0	https://doi.org/10.22271/ed.book.2863
2	Synergy in Science and Engineering: An Integrative Approach	<i>AkiNik Publications</i>	DJ Das, D Bhattacharyya	2024	978-93-6135-058-0	https://doi.org/10.22271/ed.book.2863
3	Synergy in Science and Engineering: An Integrative Approach	<i>AkiNik Publications</i>	N Kumari, D Bhattacharyya	2024	978-93-6135-058-0	https://doi.org/10.22271/ed.book.2863
4	Synergy in Science and Engineering: An Integrative Approach	<i>AkiNik Publications</i>	M Mondal, D Bhattacharyya	2024	978-93-6135-058-0	https://doi.org/10.22271/ed.book.2863
5	Synergy in Science and Engineering: An Integrative Approach	<i>AkiNik Publications</i>	S Pramanick, D Bhattacharyya	2024	978-93-6135-058-0	https://doi.org/10.22271/ed.book.2863
6	Multidisciplinary Insights in Modern Engineering	<i>AkiNik Publications</i>	Diganta Bhattacharyya	2024	978-93-6135-956-9	https://doi.org/10.22271/ed.book.3064
7	Frontiers in Interdisciplinary research	<i>Open Books Publisher, Imprint of Consortium E-Learning Network Pvt.</i>	Diganta Bhattacharyya	2025	978-81-952903-2-1	

4. Text/Reference book published from reputed national/international publishers:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)

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5. Project granted:

Sl. No	Sponsoring Agency	Name of the project	Duration		Amount in Lakhs	PI/ CO-PI
			Starting Month & Year	Ending month & Year		

6. Consultancy Project Grant:

Sl No.	Project title	Funding Agency	Duration	Completed (yes/no)	Sanctioned amount (in Rs.)	PI and CO-PI (if any)

7. 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	Blockchain crowdfunding Platform	Swami Vivekananda University	Sangita Bose, Sourav Saha, Jayanta Chowdhury, Diganta Bhattacharyya, Arka Provo Naskar, Sneha Mondal, Faizal Khan, Munmun Ghosh, Sambit Paul	24/11/2024	29/11/2024	NO	202431091485 A

2	Youtube Clone Video Library	Swami Vivekananda University	Sumit Maric, Sangita Bose, Sourav Saha, Diganta Bhattacharyya	29/11/2024	06/12/2024	NO	202431093720 A
3	Crime pattern analysis and rate prediction	Swami Vivekananda University	Diganta Bhattacharyya	29/11/2024	06/12/2024	NO	202431093827A
4	Data analysis using machine learning on geo location data	Swami Vivekananda University	Sukanya Dutta Gupta , Prof. Somsubhra Gupta, Sangita Bose , Sourav Saha , Diganta Bhattacharyya	30/11/2024	06/12/2024	NO	202431094195 A
5	Face mask detection in real time	Swami Vivekananda University	Beauty Mondal, Sangita Bose, Sourav Saha, Jayanta Chowdhury, Diganta Bhattacharyya	03/12/2024	13/12/2024	NO	202431095248 A
6	A Heart arrhythmia prediction using Artificial neural network	Swami Vivekananda University	Sangita Bose, Arpita Samanta, Sourav Saha, Diganta Bhattacharyya, Jayanta Chowdhury	04/12/2024	13/12/2024	NO	202431095820 A
7	Heart disease prediction from symptom analysis using machine learning	Swami Vivekananda University	Srija Biswas, Prof. Somsubhra Gupta, Sangita Bose, Sourav Saha, Diganta Bhattacharyya	04/12/2024	13/12/2024	NO	202431095834 A
8	Anti-fraud system for credit card transaction using machine learning & data science	Swami Vivekananda University	Rituparna Maity, Prof. Somsubhra Gupta, Sangita Bose, Sourav Saha, Jayanta Chowdhury, Diganta Bhattacharyya	05/12/2024	20/12/2024	NO	202431096209 A
9	Precision in Estimation of Crop Yields using Machine Learning	Swami Vivekananda University	Sudipta Ghosh, Sangita Bose, Sourav Saha, Jayanta Chowdhury, Diganta Bhattacharyya	05/12/2024	20/12/2024	NO	202431095882 A
10	Analyzing customer bank churn using ensemble learning models	Swami Vivekananda University	Sangita Bose, Sourav Saha, Jayanta Chowdhury, Diganta Bhattacharyya	05/12/2024	20/12/2024	NO	202431096223 A

11	Plant disease detection application	Swami Vivekananda University	Sourav Saha, Diganta Bhattacharyya, Subhankar Karmakar, Md. Arif Ahmad, Maroof Raza, Narayan Kumar Bhandari, Sabikun Nahar, Sangita Bose, Jayanta Chowdhury	05/12/2024	20/12/2024	NO	202431096218 A
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