RESEARCH DIRECTORY



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RESEARCH DIRECTORY

2024-2026

- **ECE= Depatrment of Electronics & Communication Engineering;**
- **CSE= Depatrment of Computer Science & Engineering;**
- **IT= Depatrment of Information Technology;**
- **EE= Depatrment of Electrical Engineering;**
- **AEIE= Depatrment of Applied Electronics & Instrumentation Engineering;**
- **ECS= Depatrment of Electronics and Computer Science**
- **FT= Department of Food Technology;**
- **ASH= Depatrment of Applied Science & Humanities;**
- **CA= Depatrment of Computer application;**

RESEARCH AREAS

- **ECE-Areas** # Biomedical Signal Processing, Digital Image Processing, Ultra Wideband (UWB) microstrip Filter, Multiband microstrip Antennas, Signal Integrity/EMC.

- **CSE-Areas#** Image Processing, Wireless Sensor Networks, Evolutionary Computing, Wireless networking, Bioinformatics.

- **IT-Area#** Green Computing, Analog VLSI design, Vehicular ADHOC Network, NoC

- **EE-Areas#** Power Electronics & Renewable Energy Sources, Control Systems

- **AEIE-Areas#** Biomedical Signal Analysis, Optical Memory Design, BMI, Robust model reference adaptive control, Blind Source Separation (BSS) of Speech Signal, Fault Detection of PMSM

- **FT-Area#** Development of Herbal Beverages and Quality Evaluation, Wine Fermentation, Extraction of Pectin from Citrus peel ; Value added Food Product Development viz. Carrot Powder Fortified Biscuit; Herbal Ice Cream

- **ASH-Areas#** Physics, Chemistry, Mathematics, Mechanical Engineering.

- **CA- Areas#** Data mining, Network security, Cloud computing**,** Opinion Mining using Fuzzy Logic, Soft Computing

SUMMARY SHEET

FACULTY PUBLICATION

(July-2025 to June-2026)

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
2025-2026	CSE	0	5	31	24	22	18	0	73	173
	ECE	0	0	10	11	4	13	0	59	97
	ECS	0	3	1	3	8	2	1	4	22
	EE	1	1	4	5	0	2	0	5	18
	FT	3	0	16	2	11	1	0	5	38
	IT	0	3	8	9	22	2	0	14	58
	ASHU	1	1	3	2	11	1	0	1	20
	CA	0	6	6	4	4	8	0	26	54
	BA	0	2	0	0	0	0	0	0	2
	HM	0	0	6	0	6	4	0	4	20
	ADMIN	0	0	3	1	0	2	0	2	8
										511

SUMMARY SHEET

FACULTY PUBLICATION

(July-2024 to June-2025)

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
24-25	CSE	1	0	07	37	13	7	04	15	84
	ECE	0	0	02	17	24	10	02	32	87
	ECS	0	0	04	10	03	0	0	02	19
	EE	0	0	07	19	03	0	02	19	50
	FT	0	0	12	19	27	02	0	03	63
	IT	0	0	04	03	04	02	02	03	18
	ASHU	2	1	10	08	05	02	0	08	36
	CA	0	0	03	07	09	03	0	0	22
	ADMIN	0	0	03	02	0	0	0	0	05
		3	1	52	126	88	26	10	82	384

SUMMARY SHEET

STUDENT PUBLICATION

July-2025 to June-2026

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
2025-2026	CSE	0	6	11	3	8	3	0	38	69
	ECE	0	1	4	0	0	0	0	30	35
	ECS	0	3	0	3	1	0	0	3	10
	EE	0	0	0	1	0	0	0	0	1
	FT	3	0	3	0	3	0	0	3	12
	IT	0	3	0	1	1	0	0	3	8
	ASHU	0	1	0	0	8	0	0	0	9
	CA	0	0	0	0	0	0	0	1	1
	BA	0	2	0	0	0	0	0	0	2
	HM	0	0	0	0	0	0	0	0	0
	ADMIN	0	0	0	0	0	0	0	0	0
		3	16	18	8	21	3	0	78	147

SUMMARY SHEET

STUDENT PUBLICATION

July-2024 to June-2025

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
2024-2025	CSE	1	7	03	24	4	0	1	5	45
	ECE	0	2	80	05	1	0	0	0	88
	ECS	0	0	00	11	0	0	0	1	12
	EE	0	0	01	08	3	0	1	9	22
	FT	0	0	09	15	21	1	0	3	49
	IT	0	0	03	0	0	0	1	0	04
	ASHU	0	0	02	04	02	0	0	1	09
	CA	0	0	00	0	07	0	0	0	07
		1	9	98	67	38	1	3	19	236

FACULTY PUBLICATION SUMMARY BREAKUP

(2003 - June, 2024)

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2023-24	CSE	0	1	24	16	41
	ECE	0	0	26	9	35
	ECS	0	2	3	4	9
	EE	0	8	11	3	22
	FT	0	10	7	4	21
	IT	0	0	18	2	20
	ASH	1	2	19	17	39
	CA	0	2	8	6	16
		1	25	116	61	203
2022-23	CSE	0	1	12	14	27
	ECE	0	7	17	15	39
	ECSE	0	1	2	1	4
	EE	0	7	2	7	16
	FT	0	4	7	6	17
	IT	0	0	11	6	17
	ASH	1	8	3	6	18
	CA	0	0	0	0	0
		01	28	54	55	138
2021-22	CSE	0	0	15	9	24
	ECE	0	8	25	2	35
	AEIE	0	0	0	2	2
	EE	0	2	10	8	20
	FT	1	0	8	3	12
	IT	0	0	2	6	8
	ASH	0	0	6	0	6
	CA	0	0	0	2	2
	BHM	0	0	0	0	0
		1	10	66	32	109

2020-21	CSE	0	0	6	14	20
	ECE	0	0	20	21	41
	AEIE	0	0	4	4	8
	EE	0	0	10	4	14
	FT	0	0	17	0	17
	IT	0	0	3	4	7
	ASH	0	2	5	6	13
	CA	0	0	2	0	2
		0	2	67	53	122
2019-20	CSE	0	0	9	21	30
	ECE	0	0	17	17	34
	AEIE	0	0	1	8	9
	EE	0	0	2	33	35
	IT	0	0	0	9	9
	ASH	0	0	3	4	7
	FT	0	0	7	15	22
	CA	0	0	1	3	4
		0	0	41	110	151
2018-19	CSE	0	2	6	6	14
	ECE	0	4	9	8	21
	AEIE	0	0	1	3	4
	EE	0	2	4	3	9
	IT	0	0	6	5	11
	ASH	0	1	3	4	8
	FT	0	9	5	0	14
	CA	0	0	0	0	0
		0	18	34	29	81
2017-18	CSE	0	0	2	5	7
	ECE	0	3	8	16	27
	AEIE	0	0	1	3	4
	EE	0	5	2	5	12
	IT	0	0	6	4	10
	ASH	1	3	3	5	12
	FT	0	15	16	1	32

	CA	0	0	0	0	0
		1	26	38	39	104
2016-17	CSE	0	4	7	6	17
	ECE	0	0	1	12	13
	AEIE	0	0	3	4	7
	EE	0	0	6	1	7
	IT	0	2	7	3	12
	ASH	1	6	8	8	23
	FT	11	25	8	12	56
	CA	0	0	0	0	0
		12	37	40	46	135
2015-16	CSE	0	0	16	3	19
	ECE	0	0	13	4	17
	AEIE	0	0	1	4	5
	EE	0	0	12	0	12
	IT	0	0	7	5	12
	ASH	2	2	3	4	11
	FT	6	8	1	17	32
	CA	0	0	9	1	10
		8	10	62	38	118
2014-15	CSE	0	0	10	2	12
	ECE	0	1	7	9	17
	AEIE	0	1	2	9	12
	EE	0	1	13	1	15
	IT	0	0	5	2	7
	ASH	3	0	11	2	16
	FT	8	19	2	9	38
	CA	0	0	11	1	12
		11	22	61	35	129
2013-14	CSE	0	0	9	6	15
	ECE	0	0	3	0	3
	AEIE	0	3	2	1	6
	EE	0	0	0	0	0

	IT	0	0	3	3	6
	ASH	1	2	7	1	11
	FT	4	12	3	0	19
	CA	0	0	4	0	4
	FMS	0	0	1	0	1
		5	17	32	11	65
2012-13	CSE	0	13	6	6	25
	ECE	0	12	2	5	19
	AEIE	0	6	0	2	8
	EE	0	4	0	0	4
	IT	0	3	2	2	7
	ASH	1	9	3	3	16
	FT	8	21	10	0	39
	CA	0	1	0	0	1
	FMS	0	1	0	0	1
		9	70	23	18	120
2011-12	CSE	0	20	0	4	24
	ECE	0	7	5	3	15
	AEIE	0	4	0	5	9
	EE	0	2	2	0	4
	IT	0	5	0	5	10
	ASH	1	5	2	0	8
	FT	9	21	15	1	46
	CA	0	0	0	0	0
	FMS	1	0	0	2	3
		11	64	24	20	119
2010-11	CSE	0	9	4	3	16
	ECE	0	4	4	4	12
	AEIE	0	1	1	3	5
	EE	1	5	0	0	6
	IT	0	0	1	3	4
	ASH	2	4	4	3	13
	FT	3	17	8	1	29
	CA	0	1	1	1	3
	FMS	1	0	0	0	1
		7	41	23	18	89

2009-10	**CSE**	**0**	**5**	**0**	**3**	**8**
	ECE	**0**	**2**	**0**	**0**	**2**
	AEIE	**1**	**1**	**0**	**0**	**2**
	EE	**0**	**2**	**0**	**0**	**2**
	IT	**0**	**0**	**1**	**0**	**1**
	ASH	**0**	**2**	**0**	**2**	**4**
	FT	**0**	**2**	**6**	**0**	**8**
	CA	**0**	**0**	**0**	**0**	**0**
	FMS	**1**	**1**	**0**	**0**	**2**
		2	**15**	**7**	**5**	**29**
2008-09	**CSE**	**1**	**5**	**0**	**1**	**7**
	ECE	**0**	**1**	**0**	**0**	**1**
	AEIE	**0**	**0**	**0**	**1**	**1**
	EE	**0**	**2**	**0**	**0**	**2**
	IT	**0**	**0**	**0**	**0**	**0**
	ASH	**2**	**1**	**0**	**0**	**3**
	FT	**0**	**0**	**0**	**0**	**0**
	CA	**0**	**0**	**0**	**0**	**0**
	FMS	**1**	**2**	**0**	**0**	**3**
		4	**11**	**0**	**2**	**17**
2007-08	**CSE**	**0**	**0**	**0**	**0**	**0**
	ECE	**0**	**0**	**0**	**0**	**0**
	AEIE	**0**	**0**	**0**	**1**	**1**
	EE	**0**	**0**	**0**	**0**	**0**
	IT	**0**	**0**	**0**	**0**	**0**
	ASH	**0**	**0**	**0**	**0**	**0**
	FT	**0**	**0**	**0**	**3**	**3**
	CA	**0**	**0**	**0**	**0**	**0**
	FMS	**0**	**0**	**0**	**0**	**0**
		0	**0**	**0**	**4**	**4**
2006-07	**CSE**	**0**	**3**	**0**	**2**	**5**
	ECE	**0**	**2**	**0**	**1**	**3**
	AEIE	**0**	**0**	**0**	**0**	**0**
	EE	**0**	**0**	**0**	**0**	**0**
	IT	**0**	**0**	**0**	**0**	**0**

	ASH	**0**	**0**	**0**	**2**	**2**
	FT	**0**	**4**	**0**	**0**	**4**
	CA	**0**	**0**	**0**	**0**	**0**
	FMS	**0**	**0**	**0**	**0**	**0**
		0	**9**	**0**	**5**	**14**
2005-06	**CSE**	0	4	0	1	**5**
	ECE	0	0	0	0	**0**
	AEIE	0	0	0	0	**0**
	EE	0	0	0	0	**0**
	IT	0	0	0	0	**0**
	ASH	0	2	0	1	**3**
	FT	0	1	0	2	**3**
	CA	0	0	0	0	**0**
	FMS	0	0	0	0	**0**
		0	**7**	**0**	**4**	**11**
2004-05	**CSE**	**1**	**1**	**0**	**0**	**2**
	ECE	**0**	**0**	**0**	**0**	**0**
	AEIE	**0**	**1**	**0**	**0**	**1**
	EE	**0**	**0**	**0**	**0**	**0**
	IT	**0**	**0**	**0**	**0**	**0**
	ASH	**0**	**5**	**0**	**2**	**7**
	FT	**0**	**2**	**0**	**0**	**2**
	CA	**0**	**0**	**0**	**0**	**0**
		1	**9**	**0**	**2**	**12**
2003-04	**CSE**	**2**	**1**	**0**	**1**	**4**
	ECE	**0**	**0**	**0**	**0**	**0**
	AEIE	**0**	**1**	**0**	**1**	**2**
	EE	**0**	**0**	**0**	**0**	**0**
	IT	**0**	**0**	**0**	**0**	**0**
	ASH	**1**	**2**	**0**	**1**	**4**
	FT	**0**	**4**	**0**	**2**	**6**
	CA	**0**	**0**	**0**	**0**	**0**
		3	**8**	**0**	**5**	**16**

Details of Publication
(2024-2025 onwards)

Year 2025-2026

FACULTY PUBLICATION

(July-2025 to June-2026)

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
2025-2026	CSE	0	5	19	7	10	8	0	29	78
	ECE	0	0	6	6	2	3	0	34	51
	ECS	0	0	1	1	8	1	0	3	15
	EE	0	1	4	5	0	2	0	5	17
	FT	3	0	13	2	12	0	0	5	38
	IT	3	0	1	9	1	0	0	4	18
	ASHU	0	1	3	2	10	1	0	1	18
	CA	0	0	5	1	1	0	0	4	11
	BA	0	2	0	0	0	0	0	0	2
	HM	0	0	6	0	0	6	0	0	12
	ADMIN	0	0	3	1	0	2	0	2	8
										268

2025-26

DEPARTMENT: CSE

National Journal

NIL

National Conference

1. Raj Kumar Singh, Sauradeep Sarkar, Prithiraj Ghosh, Unnati Narayan, Sneha Mishra, **Ananjan Maiti**, "An Agentic Multi-Agent Platform for Precision Agriculture" presented at the National Symposium on Entrepreneurship & Innovation (Bhavisya Entrepreneur 2025), held on 18-09-2025, (Paper Code: NSEI/2025/21), ISBN: 978-93-343-9865-6.

2. Subhradeep Dey, Ramesh Biswas, Smarta Das, Tiyasha Sen, **Ananjan Maiti**, Indranil Sarkar, "Predictive Forecasting with Integrated Machine Learning Framework for Optimizing Smart Rainwater Harvesting Systems" presented at the National Symposium on Entrepreneurship & Innovation (Bhavisya Entrepreneur 2025), held on 18-09-2025, (Paper Code: NSEI/2025/23), ISBN: 978-93-343-9865-6.

3. Tiyasha Sen, Dhruba Biswas, Smarta Das, Subhradeep Dey, Indranil Sarkar, **Ananjan Maiti**, "Smart Indoor Environment Optimization Using an Integrated IoT Sensing and Machine Learning Pipeline" presented at the National Symposium on Entrepreneurship & Innovation (Bhavisya Entrepreneur 2025), held on 18-09-2025, (Paper Code: NSEI/2025/31), ISBN: 978-93-343-9865-6.

4. Md Asad Anwer, Aliya Khatoon, Ritika Srivastava, Rooprekha Baksi, **Ananjan Maiti,** "The IML-CD Framework: A Conceptual Model for Interpretable Multimodal Learning in Cognitive Decline" presented at the National Symposium on Entrepreneurship & Innovation (Bhavisya Entrepreneur 2025), held on 18-09-2025, (Paper Code: NSEI/2025/41), ISBN: 978-93-343-9865-6.

5. Arghadip Chakraborty, Nilaya Sarkar, **Dr. Mahamuda Sultana, Dr. Suman Bhattacharya,** "Enhanced Crop Recommendation System for Precision Agriculture: An Integrated Approach" registered under RAICCIT 2025 on 14-06-2025, ISBN: 978-81-973699-3-3.

International Journal

1. **Tinku Adhikari**., Ajoy Kumar Khan. Malay Kule. (2025). An analytical review of security issues in centralized and distributed SDN environments. Information Security Journal: A Global Perspective, 1–34. https://doi.org/10.1080/19393555.2025.2550762 [ESCI,SCOPUS]

2. **Tinku Adhikari**., Ajoy Kumar Khan. Malay Kule. (2025). SRDCP: A Secure and Resilient Distributed Control Plane Architecture for Large Scale SDN Deployments. Journal of Cyber Security Technology, 1–23. https://doi.org/10.1080/23742917.2025.2540723[SCOPUS]

3. Aishee Ghosh, Rooprekha Baksi, **Ananjan Maiti** – Breaking Barriers: Analyzing Gender Microaggressions, Job Satisfaction and Psychological Capital on Quality of Life, Indian Journal of Positive Psychology, vol. 16, no. 2, pp. 298–308, Indian Association of Health, Research and Welfare, 2025.

4. Chiranjib Dutta, **Ananjan Maiti**, Sandip Roy – SE-PCOSNet: Channel-Wise Attention Mechanisms for Automated PCOS Detection in Ultrasound Imaging, International Research Journal of Multidisciplinary Scope (IRJMS), vol. 6, no. 3, pp. 1123–1140, 2025.[Scopus]

5. Samarendra Das, Indranil Sarkar, Ahona Ghosh, **Ananjan Maiti**, Rajesh Bose, Sandip Roy – Detection of Imitation in Essay-based E-Examination Systems through Machine Learning Methods, Indian Journal of Natural Sciences, vol. 16, no. 91, Article ID, ISSN: 0976–0997, 2025.[WoS]

6. **Rafiqul Islam**, Rajesh Bose, Sandip Roy, Arfat Ahmad Khan, Shrabani Sutradhar, Sujan Das, Farhan Ali & Ahmad Ali Aljubi-Decentralized trust framework for smart cities: a blockchain-enabled cybersecurity and data integrity model. Scientific Reports,15, Article number: 23454 (2025):https://www.nature.com/articles/s41598-025-06405-y[SCI]

7. **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh, (2025), Evolving to a Conceptual Model of Critical Success Factors in Successful ERP Implementation for Manufacturing units in India, Journal of The Institution of Engineers (India): Series C. [Scopus]

8. **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh, (2025), Advancing Circular Economy and Industry 4.0 Practices in Indian Manufacturing: A Systematic Supply Chain Case Study, The Journal of Solid Waste Technology and Management , Volume 51 , Issue 4,pp. 650 - 662 , 2025 , http://doi.org/10.5276/jswtm/iswmaw/514/2025.vi [Scopus]

9. **Ipsita Saha, Srabani Kundu, Sayani Chandra,** Amit Kundu, Sadhan Kumar Ghosh, Namrata Singh, Rahul Baidya, (2026), An AI-based Automated System for Classifying and Identifying Electronic Waste Using Deep Learning Methods, *The Journal of Solid Waste Technology and Management*, Volume 52, Supplement 1, pp. 206 – 214, 2026, http://doi.org/10.5276/jswtm/iswmaw/521-1/2026.206[Scopus]

10. **Sumit Kumar Banerjee**, Bidisha Bhabani, **Mahamuda Sultana, Suman Bhattacharya**, (2025), Computational Frameworks for Data-Driven Diagnosis of Skin-Specific Cancer: A Comparative Study, *International Journal of Applied Mathematics*, Volume 38, Issue 9s, pp. 2100 – 2115, 2025, http://doi.org/10.12732/ijam.v38i9s.1193 [Scopus]

11. **Paramita Sarkar**, Sandip Roy, **Mahamuda Sultana, Suman Bhattacharya**, Suchismita Maiti, Arghadip Chakraborty, (2025), Precision Agriculture Enhanced with Physics-Informed Neural Networks (PINNs), *International Journal of Applied Mathematics*, Volume 38, Issue 12s, 2025, http://doi.org/10.12732/ijam.v38i12s.1417[Scopus]

12. **Priyanka Chakraborty**, Sajal Sasmal, **Moloy Dhar** , **Sunanda Chakraborty**, (2025), Tea leaf disease classification using a two-phase transfer learning approach. Journal of Plant Protection Research. ISSN: 1427-4345. https://www.plantprotection.pl/Tea-leaf-disease-classification-using-a-two-phase-transfer-learning-approach,213877,0,2.html [Scopus]

13. **Ananjan Maiti,** Indranil Sarkar, **Moumita Samanta**, Subhadip Nandi, Shirsendu Dutta, Sandip Roy, (2025), Examining the Impact and Optimization of Large Language Models, *Indian Journal of Natural Sciences*, Volume 16, Issue 92, October 2025 [WoS]

14. **Ananjan Maiti, Dipankar Basu,** Indranil Sarkar, Jyoti Sekhar Banerjee, Atri Adhikari, Panagiotis Sarigiannidis, (2025), Deep Learning-Based Harmful Insects Classification Using Novel Bioacoustic Features, Journal of Mechanics of Continua and Mathematical Sciences, Volume 20, Issue 9, 2025, http://doi.org/10.26782/jmcms.2025.09.00002

15. **Dipankar Basu**., **Abhrendu Bhattacharya**, **Suman Bhattacharya** , **Mahamuda Sultana** , Paramita Sarkar, P. (2025). UNMASKING PERSONALITY: AN AUTOMATED SYSTEM TO DETECT HUMAN PERSONALITY USING HANDWRITING ANALYSIS. *International Journal of Applied Mathematics*, *38*(9s). ISSN No- 1311-1728 . https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/1191/1091 [Scopus]

16. **Ananjan Maiti,** (2025), Artificial Intelligence Redefining Transparent Astrology Frameworks for Personalised Astrological Guidance, International Journal of Jyotish Research, Vol. 10, Issue 2 (Part B), pp. 114–121, DOI: https://doi.org/10.22271/24564427.2025.v10.i2b.282

17. **Md Tausif Mallick et al.,** (2026), Physiology-Aware Chlorophyll-Guided Multimodal Transformer with Federated Learning for Early Pest-Risk Forecasting in Tea Plantations, IEEE Access, DOI: 10.1109/ACCESS.2026.3671812 [SCIE]

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Nil

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Granted

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Nil

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Nil

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STUDENT PUBLICATION

July-2025 to June-2026

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
2025-2026	CSE	0	6	11	3	8	3	0	38	69
	ECE	0	1	4	0	0	0	0	30	35
	ECS	0	3	0	3	1	0	0	3	10
	EE	0	0	0	1	0	0	0	0	1
	FT	3	0	3	0	3	0	0	3	12
	IT	0	3	0	1	1	0	0	3	8
	ASHU	0	1	0	0	8	0	0	0	9
	CA	0	0	0	0	0	0	0	1	1
	BA	0	2	0	0	0	0	0	0	2
	HM	0	0	0	0	0	0	0	0	0
	ADMIN	0	0	0	0	0	0	0	0	0
		3	16	18	8	21	3	0	78	147

DEPARTMENT: CSE

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NIL

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3. Dr. Krishna Kumar Jha, Ms. Suparna Karmakar, Ms. Priyanjana Mitra, **Mr. Ujjal Bhattacharya, Mr. Souradipta Ghosh, Mr. Shubhodip Ghoshal** "BLOCKCHAIN-BASED KIDNEY STONE DETECTION SYSTEM" " Application No:202531088249 A

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1. **Aniket Saha, Disha Das, Antara Sen, Deepasri Das, Indrakshi Ghosh,** Dr.Shantanu Datta "Smart Village Adoption in Healthcare: Bridging Gaps Through Technology and Innovation- A Review" Proceedings of Bhavisya Entrepreneur 2025: National Symposium on Entrepreneurship Innovation, 18th and 19th September 2025, ISBN: 978-93-343-9865-6.
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3. **Anshuman Shaw, Ujjal Bhttarcharya**, Dr. Debasree Saha, Dr. Sreyasree Basu, Dr. Mainak Debnath, IoT-Driven Robotic Water Cleaner with Eco-Friendly Bio-Remediation, Proceedings of Bhavisya Entrepreneur 2025: National Symposium on Entrepreneurship Innovation, 18th and 19th September 2025, ISBN: 978-93-343-9865-6.
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DEPARTMENT: BA

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2. Ritasri Ghosh, **Sonal Shaw, Salony Shaw Ridhima Kumari**, Smart village adoption: Integrating green energy for sustainable rural development; national conference on " entrepreneurship and innovation, sept 2025 at Guru Nanak Institute Of Technology, Kolkata.

DEPARTMENT: HM

National Journal

Nil

National Conference

Nil

International Journal

DEPARTMENT: ADMIN

Nil


GNIT
JIS
JIS GROUP
Educational Initiatives

FACULTY PUBLICATION

(July-2024 to June-2025)

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
24-25	CSE	1	0	07	37	13	7	04	15	84
	ECE	0	0	02	17	24	10	02	32	87
	ECS	0	0	04	10	03	0	0	02	19
	EE	0	0	07	19	03	0	02	19	50
	FT	0	0	12	19	27	02	0	03	63
	IT	0	0	04	03	04	02	02	03	18
	ASHU	2	1	10	08	05	02	0	08	36
	CA	0	0	03	07	09	03	0	0	22
	ADMIN	0	0	03	02	0	0	0	0	05
		3	1	52	126	88	26	10	82	384

2024-25

DEPARTMENT: CSE

National Journal

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2. J. Gupta, A.K. Majumder, D. Sengupta, **M. Sultana and S. Bhattacharya, "Investigating computational models for diagnosis and prognosis of sepsis based on clinical parameters: Opportunities, challenges, and future research directions**", **Journal of Intensive Medicine, Elsevier**, Online First, https://doi.org/10.1016/j.jointm.2024.04.006 (Published date **10.07.2024**)

3. Ranjan Banerjee, **Dipankar Basu**, Debmalya Mukherjee, Partha Shankar Nayak, Shuvrajit Nath **"Harnessing The Power Of AI For Positive Change: How Business Can Drive Sustainability And Social Progress"** in **Cahiers Magellan-NS. (Web of Science indexed)** ISSN-1624-1940, Vol-6, Issue-2, 17th July, 2024.

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Nil

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8. Prachurjya Das, Sucharita Panda, Mitrabik Ghosh, Sohan Dhara, **Shirsendu Dutta, Indranil Sarkar, Sandip Roy, Rajesh Bose**, "Anomaly Detection in Credit Card Transactions: A Comparative Study", *Proceedings of National Seminar on Recent Advances in Interdisciplinary Science & Research (RAISER-2025) (1st Edition),* ISBN-978-93-342-0270-0, February 28, 2025 (Accepted).

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STUDENT PUBLICATION

July-2024 to June-2025

Year	Dept	National Journal	National Seminar/ Conference	International Journal	International Seminar/ Conference	Book Chapter	Book	Patent (Granted)	Patent (Published)	Total
2024-2025	CSE	1	7	03	24	4	0	1	5	45
	ECE	0	2	80	05	1	0	0	0	88
	ECS	0	0	00	11	0	0	0	1	12
	EE	0	0	01	08	3	0	1	9	22
	FT	0	0	09	15	21	1	0	3	49
	IT	0	0	03	0	0	0	1	0	04
	ASHU	0	0	02	04	02	0	0	1	09
	CA	0	0	00	0	07	0	0	0	07
		1	9	98	67	38	1	3	19	236

2024-25

DEPARTMENT: CSE

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1. **Oishee Paul, Jyoti Das, Krittika Mondal, Paramita Dolui, Mahamuda Sultana, Suman Bhattacharya, Nilanjana Adhikari** "**A Machine Learning Model for Crop Yield Prediction"**in Telecom Business Review Journal Edition 17th, ISSN Number: 0973-9114, Proquest, i-scholar database, EBSCO indexed on September, 2024.

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16. Augustina Saha, Priyanka Chakraborty, PriyankaGhosh, Shirshendu Samanta, **Tiyasa Sen, "Impact of Nutrient Management and Varietal Choices on Productivity in Buckwheat-Green Gram Systems for Food Security"** accepted in International conference on emerging

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17. Dipankar Basu, **Debarghya Bhattacharyya,** Ananjan Maiti**,"Design and implementation of a modular DNS resolver information query tool leveraging RFC 9606"** published in 1st International Conference on Smart Technology for Emerging Problems (STEP2025),March 21, 2025, Kolkata, India.

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5. **Prakharjyoti Roy, Priyangshu Nath, Rounak Bhattacharjee, Nishat Airin, Nafisha Simran" Integrating Cross Chain Interoperability protocol in Blockchain based crowdfunding funding"** published in 2nd National conference RAICCIT 2025(11th and 12th April 2025) at JIS UNIVERSITY Kolkata.

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7. Paramita Sarkar, Arghadip Chakraborty, Nilaya Sarkar, Sandip Roy, Mahamuda Sultana,Suman Bhattacharya,**"Enhanced Crop Recommendation System for Precision Agriculture: An Integrated Approach",** accepted in National Conference on Research Advancements and Innovations in Computing, Communications and Information Technologies (RAICCIT) organized by JIS University, Kolkata, India, ISBN: 978-81-973699-3-3, April 2025.

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4. Priyanka Ghosh, **Tiyasha Sen, Subhradeep Dey "Chain-Medix: Healthcare Securing Blockchain Chain-Medix: Healthcare Securing Blockchain Technology"** in intelligent horizons" Future of AI /ML across cloud security and Beyond", ISBN- 978-93-6717-909-3.

Book

Nil

Patent

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1. Mr. Sourish Mitra, **Mr. Sandip Kumar Karmakar,** Prof.(Dr.) Santanu Kumar Sen,Mr. Biswajit Chaki Choudhury,**" IOT Based Solar Powered Multipurpose Vehicle used for Cricket Ground's Dew Soaking and Moisture Drying**" patent granted on 21-08-2024, (Application No. : 202131056501, Patent No-548255).

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Nil

National Conferences

Nil

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Nil
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Book

Nil

Patent

Patent Granted

Nil

Patent Published

Nil

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Nil

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Nil

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Nil

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Nil

Book Chapter

Nil

Book

Nil

Patent

Patent Granted

Nil

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