

ARMY INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
SUMMARY OF RESEARCH & DEVELOPMENT ACTIVITIES
AY 2023-24 & 2022-23



ARMY INSTITUTE OF TECHNOLOGY PUNE
DEPARTMENT OF INFORMATION TECHNOLOGY
R&D ACTIVITY - 2023-24



SUMMARY

Total Faculty for the year: -14

- **Publications:** Total Paper Published: 18 Journal Paper-12 Conference Paper: 8

Sr. No	Description	Journal		Conferences		
		International	National	International	National	Regional
1	Paper Publications by faculty	13		6		
	No's of faculty	7				

***Indexing of Paper**

Journal Paper											Conference Paper			
ESCI		SCIE		SCI		SCOPUS		Peer Viewed		Not Indexed		SCOPUS		Not Indexed
Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.
						12				1		2		4

Sr. No.	Description	No of Publications	No of participant faculty
2	No's of Article/ Chapter Published	0	
3	No. of Books Published	2	1
4	Copyright	0	
5	Patents	5	4

- **Funded Projects:** Nil
- **Grant Received:** Nil
- **Nos of PhD Awarded/Guided faculty:** 3

Dept. R&D In charge
Dr G M Walunjkar



HOD IT
Dr Sangeeta Jadhav



SUMMARY

Total Faculty for the year: -12

- **Publications:**Total Paper Published:26 Journal Paper-13 Conference Paper:24

Sr. No	Description	Journal		Conferences		
		International	National	International	National	Regional
1	Paper Publications by faculty	13		23		
	No's of faculty	9		10		

***Indexing of Paper**

Journal Paper											Conference Paper			
ESCI		SCIE		SCI		SCOPUS		Peer Viewed		Not Indexed		SCOPUS		Not Indexed
Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.	Nat.	Int.
5		1				7						6		17

Sr. No.	Description	No of Publications	No of participant faculty
2	No's of Article/ Chapter Published	3	3
3	No. of Books Published	0	0
4	Copyright	1	1
5	Patents	4	9

- **Funded Projects: Nil**
- **Grant Received:Nil**
- **Nos of PhD Awarded/Guided faculty: 1**

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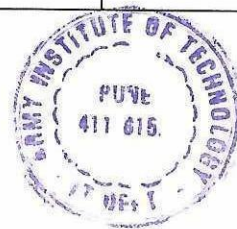


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1	Dr.Sangeeta Dhananjay Jadhav	89	25	6	https://www.scopus.com/authid/detail.uri?authorId=26649933000	GRO-098-2022
2	Mr. Dhananjay Gopalrao Auradkar	-	-	-	-	-
3	Dr. Rahul Desai	79	15	6	https://www.scopus.com/authid/detail.uri?authorId=27367693500	-
4	Dr.Ashwini Tukaram Sapkal	49	11	4	https://www.scopus.com/authid/detail.uri?authorId=57205026114	-
5	Dr.Gajanan Madhavrao Walunjkar	24	9	2	https://www.scopus.com/authid/detail.uri?authorId=57210804374	HCI-7585-2022
6	Ms. Vaishali Sachin Ingale	2	2	1	https://www.scopus.com/authid/detail.uri?authorId=57219527119	AEI-5978-2022
7	Ms. Geeta Devendra Patil	0	1	-	-	-
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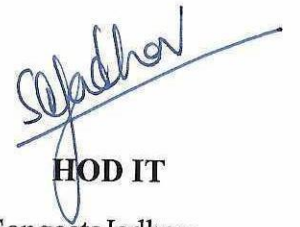
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10	Dr.Rupali Amit Bagate	74	9	4	https://www.scopus.com/authid/detail.uri?authorId=57208898796	AAZ-6552-2021
11	Dr.Dipika Rajendra Birari	63	11	3	https://www.scopus.com/authid/detail.uri?authorId=57210420466	LFS-0282-2024
12	Ms. Anjali Shrinivas Hudedamani	-	-	-	-	-
13	Ms. Kavita Arakeri	-	-	-	-	-
14	Ms. PriyaJadhav	-	-	-	-	-
15	Ms. Jayshree Nilesh Lavhare	-	-	-	-	-
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Proceedings of the 18th INDIACom; 2024 11th International Conference on Computing for Sustainable Global Development, INDIACom 2024, 2024, pp. 1810–1815

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Prediction of Face Emotion with Labelled Selective Transfer Machine as a Generalized Emotion Classifier

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Communications in Computer and Information Science, 2023, 1782 CCIS, pp. 294–307

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2023 International Conference on Emerging Smart Computing and Informatics, ESCI 2023, 2023

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2D Face Emotion Recognition and Prediction Using Labelled Selective Transfer
Machine and CNN Transfer Learning Techniques for Unbalanced Datasets

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Patil, D., Jadhav, S.

Engineering, Technology and Applied Science Research, 2022, 12(6), pp. 9654–9660

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Conference Paper

KPSO: K-Mean and PSO based clustering algorithm for Wireless Sensor
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Jadhav, S., Jadhav, S.

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KFOA: K-mean Clustering, Firefly Based Data Rate Optimization and ACO
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International Journal of Electronics and Telecommunications, 2022, 68(4), pp. 659–665

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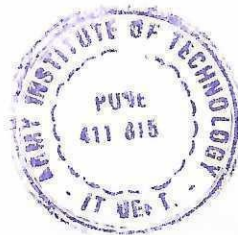
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2 **Group Activity Recognition Based on Interaction Contextual**

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3 KFOA: K-mean Clustering, Firefly Based Data Rate Optimization and ACO Routing for Congestion Control in WSN

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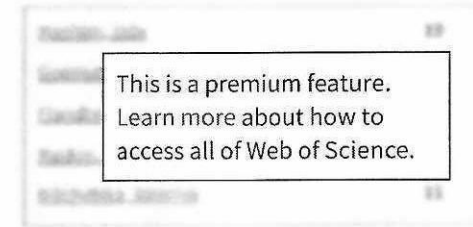
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**Recognition Based
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Kulkarni, SS and Jadhav, S
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International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(9s), pp. 362–368

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International Journal on Recent and Innovation Trends in Computing and Communication, 2023, 11(7 S), pp. 347–352

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Cloud Image Masking on Satellite Images Using U-Net Architecture of Deep Learning

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2023 14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023, 2023

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Sakhare, N., Bangare, J., Ajalkar, D., ... Borawake, M., Ingle, A.

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Birari, D., Walunjkar, G., Dandavate, A., Antad, S.M., Phatangare, S.

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International Journal of Business Data Communications and Networking, 2021, 17(1), pp. 24–37

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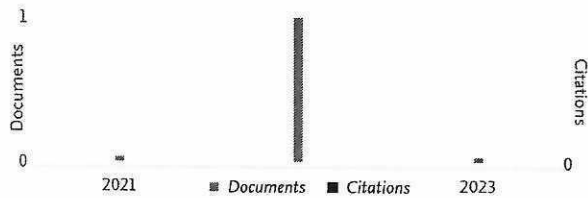
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