



# Shri Shivaji Science & Arts College, Chikhli

## Department of Computer Science

### Academic/Co-Curricular Activities Report 2024-25

#### 1. Students Participation in Departmental Activities:

During the academic session **2024-25**, Department of Computer Science has organized following Co-Curricular activities for the students.

- **Seminar:**

During this academic session, students of B. Sc. Part II, III and M. Sc. Part I, II delivered seminar on recent topics to fulfill internal activity of integral part of curricula laid down by SGBA University Amravati during all the semesters. The concern teachers gave their valuable guidance to the students in order to prepare their seminar topics. Online facility has been made available to all students during presentation of seminar. Dr. A. B. Kadam - HOD, Dr. M. E. Jadhav, Dr. S. S. Gaikwad and Komal Purohit guided the students.

- **Participation of Students in Academic/ Research Activities:**

- **Avishkar:** Ku. Anjali Jadhav & Sakshi Tupe has been participated at district level Avishkar competition.

- **Participation of Teachers in Academic/ Research Activities:**

During the academic session **2024-25**, teachers of our department have enthusiastically participated in many academic/research activities.

➤ **Dr. A. B. Kadam** has been **Edited Book A** Textbook

Sr. No.	Publication Type	Title of Book	Publisher Details	ISBN No.	Publication Year
1.	Book Edited	A Textbook of B.C.A.Third Year Sem-V “ <b>Computer Graphics</b> ”	Dnyanpath Publication Amravati.	978-93-6409-898-4	Nov-2024 [2024-25]

➤ **Details of Patent/ Copyright: Dr. A. B. Kadam** has been published a patent

Patent Type	Patent Name	Patent No	Status	Reg. Date	Published Date
Indian	Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry	202441071955	Patent Published	24/09/2024	04/10/2024
Indian	Advanced secured ATM system with fingerprint, keypad and voice enable three-layer security protection	202441080865	Patent Published	24/10/2024	01/11/2024

➤ **Publication of research paper in peer reviewed journals, Non peer reviewed journals, Conference Proceeding, Impact factor, Citation, Index No./Scopus.**

**Dr. A. B. Kadam** has been published paper

Sr.No.	Titles of paper	Name of Journals	ISSN No.	Impact Factor	National/ International	PageNo.
1	IOT-Based Precision Agriculture: Soil Nutrient Analysis. Special Issue-2025	Adarsh Journal of Research Evaluation (AJRE)	2277-3983	Peer Reviewed	National	1096-1099
2	Intelligent Crop Selection: Leveraging Machine Learning for Soil- Informed Agriculture. Year 18-Dec.2024	Nanotechnology Perceptions	1660-795 Vol.20 No.7[2024]	Scopus	International	2601-2609
3	Random Forest Classifier for Crop prediction based on soil data. Vol-45 Issue-S-4 Year-2024	Journal of Advanced Zoology	0253-7214	UGC	International	113-117
4	A Critical Study of Deepfake Image Detection Methods: Techniques, Challenges, and Future Directions March-2025	International Journal of Scientific Research in Science and Technology Available online at : <a href="http://www.ijrst.com">www.ijrst.com</a> [doi : <a href="https://doi.org/10.32628/IJRST">https://doi.org/10.32628/IJRST</a> ]	Print ISSN: 2395-6011   Online ISSN: 2395-602X	Peer Reviewed	International	547-551
5	Soil Nutrients Analysis for Agriculture: A Comprehensive Study Vol.5 No. 23, July-Aug 2024	International Journal of Advance and Applied Research <a href="http://www.ijaar.co.in">www.ijaar.co.in</a>	ISSN – 2347-7075	Impact Factor – 8.141	International	212-215

➤ **Dr. M.E. Jadhav Paper Published**

Sr. No.	Titles of paper	Name of Journals	ISSN No.	Impact Factor	National/ International	Page No.
1	Indian Sign Language Recognition Systems: Empowering The Deaf And Dumb Community, June 2024	Strad Research	ISSN 0039-2049 Vol. 11	Peer Reviewed	International	1-7
2	Hand Gesture Classification for Individuals with Disabilities Using the DenseNet121 Model, August 06,2024	IEEE-Xplore DOI: 10.1109/APCI61480.2024.10616504	Electronic ISBN:979-8-3503-6328-9	Scopus	International	1-5
3	Classifying Hand Gestures for People with Disabilities Utilizing the MobileNetV2 Model, August 06,2024	IEEE-Xplore DOI: 10.1109/ISTEMS60181.2024.10560333	Electronic ISBN:979-8-3503-8424-6	Scopus	International	1-5

➤ **Dr. M.E. Jadhav- Students Awarded Ph.D.**

Sr. No.	Titles of Student	Title of Research topic	Name of Supervisor	Ph.D. Awarded Date
1	Mr. Basel Ali Saleh Dabwan	Design and Development A System for Deaf and Dumb to Convert Sign Language to Text	Dr. M.E. Jadhav	11 Oct 2024

2	Mr. Zeyad Abdulhameed Taha Ahmed	The Early Detection of Autism Based on Eye-Tracking and Sensing Technology	Dr. M.E. Jadhav	11 Oct 2024
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➤ **Dr. M.E. Jadhav received Award:**

Sr. No.	Name of Awarding Body	Name of Award/Honor	Date	Level
1	Vivekanand Shikshan Santha's Institute of Management Studies and Information Technology Vivekanand College Campus, Chh. Sambhajinagar, National Conference on "Advance Trends in Computer and Management Science (ATCMS-2024)	BEST PAPER AWARD, for presenting paper entitled "Comparative Analysis of Different Datasets and Methods Used for Glaucoma"	2024-05- 21	National

➤ **Dr. M.E. Jadhav has been Edited Book A Textbook:**

Sr. No.	Publication Type	Title of Book	Publisher Details	ISBN No.	Publication Year
1.	Book Editor	A Textbook of B.C.A Third Year Semester V "Fundamental of Data Science"	Dnyanpath Publication Amravati	13: 978-93-6409-783-3	Nov-2024 [2024-25]
2.	Book Editor	"Pratinad" Laingik Samanta v Savednshilta	Atharv Publisher, Dhule	978-93-6186-602-9	Mar- 2025 [2024-25]
3.	Book Chapter	A Textbook of B.C.A.Third Year Sem-V "Computer Graphics"	Dnyanpath Publication Amravati.	978-93-6409-898-4	Nov-2024 [2024-25]

**Dr. S. S. Gaikwad** et.al has published paper "The Development of a Tool for the Detection of Cotton Wool Spots, Haemorrhage, and Exudates Using Multi-resolution Analysis". Lecture Notes in Networks and Systems, vol 738. Springer, Singapore. [https://doi.org/10.1007/978-981-99-4433-0\\_25](https://doi.org/10.1007/978-981-99-4433-0_25)(2024).

Link: [https://link.springer.com/chapter/10.1007/978-981-99-4433-0\\_25](https://link.springer.com/chapter/10.1007/978-981-99-4433-0_25)

➤ **Dr. S. S. Gaikwad** et.al has published paper Classification of Non-proliferative Diabetic Retinopathy in Terms of Dark and Bright Lesions Using Multi-layered Perceptron (MLP)". Lecture Notes in Networks and Systems, vol 720. Springer, Singapore. [https://doi.org/10.1007/978-981-99-3761-5\\_10](https://doi.org/10.1007/978-981-99-3761-5_10).

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(Dr. A. B. Kadam)