



Shri Shivaji Science & Arts College, Chikhli

Department of Computer Science

Academic/Co-Curricular Activities Report 2021-22

1. Students Participation in Departmental Activities:

During the academic session 2021-22, 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, Mr. Shubham Burkul & Mr. M. G. Bhatkar guided the students.

- **Farewell Function:**

The farewell function for the B.Sc. final year students has been organized by B.Sc-I & B.Sc. - II year students, on 9th May 2022. The President for the function was Prof. Dr. D.B. Bobde and Chief guest for the function was Prof. Shalini Katole, all science faculty teaches has present for the function.

2. National Level Workshop on “Big Data”:

During this academic session 2021-22, our department has been organized “**National Workshop on Bigdata**”, for students & researchers in the area of Bigdata, dated on **05th August 2021** at Shri Shivaji Science & Arts College Chikhli Dist. Buldana.

It has been organised to make awareness in the area of Big Data. This workshop will be beneficial for further research interests in Big Data for researchers in this area. We expect to explore novel concepts and ideas in the field of Big Data.

For this workshop **Dr. Mahendra P. Dhore**, Principal, Shri Shivaji Science College, Nagpur, was the resource person. Dr. O.S. Deshmukh, Principal Shri Shivaji Science College, Chikhli, Dist. Buldana was President for National Level Workshop on Big Data who always motivate and support us to organize such types of social events. The inaugural guest was Dr. V.U. Pocchi, IQAC Coordinator, inspired us to organized the National Level Workshop. Dr.

A.B.Kadam, Convener of the National Level Workshop on Big Data. Dr. M.E. Jadhav, Co-Convener and Dr.Sonali Gaikwad has Organizing Secretary for the National Level Workshop on Cryptocurrency. Departmental member Mr. S. A. Chavan who helped for the successful conduction of workshop.

The participant's response is as follows:

No. of Participants	Maharashtra	Andhra Pradesh	Karnataka	Kerala	Tamil Nadu	Bihar	Punjab	Himchal Pradesh	Gujrath	UAE (Dubai/ Yeman)
260	226	3	17	1	2	1	1	1	2	6

3. National Workshop on Cyber Security:

During this academic session 2021-22, our department has been organized “**National Workshop on Cyber Security**”, for students & researchers in the area of cyber security, dated on **04/03/2022** at Shri Shivaji Science & Arts College Chikhli Dist. Buldana.

It has been organised to focus the attention towards cyber security. Workshop will helpful for further research interests for advances in computer science and IT among researchers in this area. We expect to explore the novel concepts and ideas in the field of Cyber security.

Dr. O.S. Deshmukh, Principal, Shri Shivaji Science & Arts College Chikhli Dist. Buldana, was president & Dr. V.U. Pochhi IQAC-Coordinator was chief guest for inaugural program for the workshop. **Dr. Sagar S. Jambhorkar, National Defence Acdemay, Pune**, was the resource person for the workshop.

We have very huge responce to this workshop, total 735 participants were attended out of that 675 from Maharashtra, & remaining throughout the india. This program was successfully completed under the good coordination of Dr. A. B. Kadam Convener, Dr. M. E. Jadhav Organizing Secretary, Dr. S. S. Gaikwad Technical Secretary with support of Mr. P.S.Sonune & Mr. Sachin Chavan.

4. Certificate Course in MS-Office Suite & Introduction to Internet :

We organize this course for UG & PG Students for all faculties such as arts, commerce and science. It has been organized to focus and awareness in students about microsoft office course helping in thier jobs marketability, improve academic performance and enhanced confindence and productivity in the workplace. Total 43 participants were presented & actively participated in whole course.

5. Participation of Students in Academic/ Research Activities:

Online University Level Intercollegiate Seminar Competition 2021: Mr. Premkumar Jain Students of B. Sc. II year were participated & recieved consolated prize at the **University Level**

Intercollegiate Seminar Competition for Students, organized by Shri Shivaji Science College Amravati, on dated **24-08-2021**.

6. Participation of Teachers in Academic/ Research Activities:

During the academic session 2021-22, teachers of our department have enthusiastically participated in many academic/research activities.

- **Dr. A. B. Kadam** has been attended, “**Online Refresher Course in E-Governance and E-Learning**” (through zoom platform) from **06-12-2021 to 18-12-2021**, UGC-HRDC, Dr. BAMU, Auranagabad.
- **Dr. M. E. Jadhav** has been attended, “**Online Refresher Course in E-Governance and E-Learning**” (through zoom platform) from **06-12-2021 to 18-12-2021**, UGC-HRDC, Dr. BAMU, Auranagabad.
- **Dr. Mukti Jadhav**, Ebrahim Senan, “Early Diagnosis of Brain Tumour MRI Images Using Hybrid Techniques between Deep and Machine Learning”, Hindawi Computational and Mathematical Methods in Medicine Volume 2021, Article ID 8500314, 16 pages, <https://doi.org/10.1155/2021/8500314>
- **Dr. Mukti Jadhav**, Ms. Bali Thorat, “Simulation of Cantilever Biosensor for Detection of Tuberculosis”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 10 Issue III Mar 2022-ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
- **Dr. Mukti Jadhav**, Ms. Bali Thorat, “Design And Simulate MEMS Based Cantilever Biosensor For Detection of Tuberculosis”, 2021 International Conference on Computational Intelligence and Application (ICCICA), 978-1-6654-2040-2/21/\$31.00 ©2021 IEEE DOI: 10.1109/ICCICA52458.2021.9697261
- **Dr. Mukti Jadhav**, Ms. Ganga Bedke, “GCL And ILM Layer Extraction From OCT Images For Glaucoma Detection”, 2021 International Conference on Computational Intelligence and Computing Applications (ICCICA) | 978-1-6654-2040-2/21/\$31.00 ©2021 IEEE | DOI: 10.1109/ICCICA52458.2021.9697135
- **Dr. Mukti Jadhav**, Mr. Basel Dawbn, “A Deep Learning based Recognition System for Yemeni Sign Language”, 2021 International Conference of Modern Trends in Information and Communication Technology Industry (MTICTI) | 978-1-6654-1444-9/21/\$31.00 ©2021 IEEE | DOI: 10.1109/MTICTI53925
- **Dr. Mukti Jadhav**, Ebrahim Senan, “Diagnosis of Dermoscopy Images for the Detection of Skin Lesions Using SVM and KNN”, © The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022R. C. Poonia et al. (eds.), Proceedings of Third International

Conference on Sustainable Computing, Advances in Intelligent Systems and Computing 1404, https://doi.org/10.1007/978-981-16-4538-9_13

- **Dr. Mukti Jadhav**, Ebrahim Senan, “Deep Learning Algorithms for Detection and Classification of Gastrointestinal Diseases”, Hindawi, Complexity, 12 pages, Volume 2021, Article ID 6170416 <https://doi.org/10.1155/2021/6170416>
- **Dr. Mukti Jadhav**, Ebrahim Senan, “Score and Correlation Coefficient-Based Feature Selection for Predicting Heart Failure Diagnosis by Using Machine Learning Algorithms”, Hindawi, Computational and Mathematical Methods in Medicine 16 pages, Volume 2021, Article ID 8500314, <https://doi.org/10.1155/2021/8500314>
- **Dr. Mukti Jadhav**, Ziyad Ahemad, “Real-Time Detection of Student Engagement: Deep Learning-Based System”, The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2022A. Khanna et al. (eds.), International Conference on Innovative Computing and Communications, Advances in Intelligent Systems and Computing 1387, https://doi.org/10.1007/978-981-16-2594-7_26
- **Dr. Mukti Jadhav**, Ebrahim Senan, “Diagnosis of Chronic Kidney Disease Using Effective Classification Algorithms and Recursive Feature Elimination Techniques”, Hindawi, Journal of Healthcare Engineering, Volume 2021, Article ID 1004767, 10 pages <https://doi.org/10.1155/2021/1004767>, May 2021
- **Dr. S. S. Gaikwad** has been attended, UGC-Sponsored “Faculty Induction Online Program”, Faculty Induction Programme-6 held from **30-08-2021 to 08-10-2021** organized by JNT University, Hyderabad.

(Dr. A. B. Kadam)