Shri Shivaji Science & Arts College, Chikhli

Department of Computer Science

Academic/Co-Curricular Activities Report 2022-23

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1.   Students Participation in Departmental Activities:

During the academic session 2022-23, 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 guided the students.

- **State Level Workshop On PYTHON:**

    During this academic session 2022-23, our department has been organized The Department of Computer Science, has been conducted a **State Level Workshop on "PYTHON", on 30th Nov 2022 at 1:00 PM to Onwards.** at Shri Shivaji Science & Arts College Chikhli Dist. Buldana. For the Workshop the resource person was **Dr. Shekhar Rodi**, from Reckon Infotech, Auranabad. & **Mr. Prashant Mahajan**, State Coordinator, Pradhan Mantri Kaushal Vikas Yojana, Govt. Of India.

    Principal and Patron for Python workshop **Dr. O. S. Deshmukh** who inspire us always and support for successfully conduction of the workshop. IQAC Coordinator **Dr. V.U. Pocchi** was the inaugural guest for workshop, she has motivated and inspired us to organized the such type of events.

    Dr. A. B. Kadam HOD, Convener of this workshop. **Dr. Mukti E. Jadhav** and **Dr. Sonali Gaikwad** was the organizing Secretary for the workshop. Departmental members of Mr. P. S. Sonune and Mr. S. A. Chavan who helped for the success of workshop.

    The participant's response is as follows:

No. of Participants	Name of the College						
	Shivaji College Chikhli	Jijamata MV. Buldhana	Shri Vyanktesh College D. Raja	New Model Degree College, Hingoli	Burungle College Shegaon	Indraraj College Shillod, Dist. Aurangabad	Shidhhart College Jafrabad, Dist. Aurangabad
180	157	07	06	04	02	02	02

Dr. Shekahr Rodi Delivered Talk on **"PYTHON"** Date: 30 November 2022.

Dr. O. S. Deshmukh Guided to the participants, Workshop on **"PYTHON"** Date: 30 November 2022

Newspaper Cutting: Workshop on **"PYTHON"** Date:30 November 2022

- **Poster Presentation Competition**:

The department of computer science, conducted **Poster Presentation Competition** on **30th November 2022.** Prof. Dr. D. B. Bobade, Prof. S. L. Kumbhare & Dr. D. N. Bhoyar were the judged the competition.

Poster Presentation Competition on 30th November 2022.

- **Participation of Students in Academic/ Research Activities:**
  - ➤ **Avishkar:** Mr. Prem Jain & Ganesh Solanki has been participated at district level Avishkar competition.

- **MoU between Infosys Ltd. and DHE Mumbai**

  On behalf of the State Government, Infosys Limited Bangalore, the Director of Higher Education Pune, Director of Technical Education, Mumbai, and on behalf of the Infosys Limited Bangalore Mr. Tirumala Arohi, Senior Vice President, the Infosys Limited, Education Training Division, 44 Electronics City, Hosur Road, Bangalore, 560100 has done a **Memorandum of Understanding** with the company. Under the said MoU, more than **3900 courses** of different subjects training provided through a virtual system under the e-Spring Board, by Infosys Ltd.

  Under the initiative of the Ministry of Higher and Technical Education, Department of Higher Education, Mumbai, Directorate of Higher Education, Pune, Directorate of Technical Education, Mumbai, all non-agricultural universities, colleges, and educational institutions, as well as the company of **Infosys Spring Board**. The colleges should be appointed a **liaison officer** to **coordinate with the Infosys Spring Board**. The Liaison Officer of Infosys Spring Board should take action in this regard from time to time coordinating with all concerned system administration and directorates.

  Dr. Mukti Jadhav, Department of Computer Science has appointed as the college Liaison Officer. All the teachers and students have been informed to register for the **Infosys courses** with the help of the following link that links given below.

- **College Students registration link**
  https://neetakhobragade.in/CollegeStudentRegistration.php

- **College Faculty registration link**
  https://neetakhobragade.in/CollegeFacRegistration.php

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

  During the academic session 2022-23, teachers of our department have enthusiastically participated in many academic/research activities.

- **Dr. A. B. Kadam** has been published paper entitled with **"Crop Recommendation Using Machine Learning Classification Techniques"**, International Interdisciplinary Virtual Conference on 'Recent Advancements in Computer Science, Management and Information Technology' [**RACSMIT 2023**].

  Link: https://ijsrcseit.com/Publication_RACSMIT-23.php

- **Dr. A. B. Kadam** has been published paper entitled with **"Critical Data Analysis of Various IoT-Based Technologies for Automated Smart Farming"** International Interdisciplinary Virtual Conference on 'Recent Advancements in Computer Science, Management and Information Technology' [**RACSMIT 2023**]. **Link**: https://ijsrcseit.com/Publication_RACSMIT-23.php

- **Dr. M. E. Jadhav** has been attended, TWO - WEEK FACULTY DEVELOPMENT PROGRAMME on "Managing Online Classes & Co- creating MOOCS", Organized by ministry of education pandit madan mohan malaviya national mission on teachers and teaching, from April 20 - May 06, 2020 and obtained Grade A+.

- **Dr. M. E. Jadhav** has Published paper entitled, "Simulation of Cantilever Biosensor for Detection of Tuberculosis", in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Available at www.ijraset.com, Volume 10 Issue III Mar 2022- ISSN: 2321- 9653; IC,Value:45.98; SJ, PP. 2139-2143

- **Dr. M. E. Jadhav** has Published paper entitled, "Early Diagnosis of Brain Tumor MRI Images Using Hybrid Techniques between Deep and Machine Learning", Hindawi Computational and Mathematical Methods in Medicine, 17 pages https://doi.org/10.1155/202 2/8330833, The Electrochemical Society (ECS) Scopus Indexed Proceeding, Volume 2022, Article ID 8330833, PP. 1-17

- **Dr. M. E. Jadhav** has Published paper entitled, "Design and Exploration of Micro Cantilever Biosensor for Detection of Tuberculosis", The Electrochemical Society (ECS) Scopus Indexed Proceeding, Volume 107, Number 1, PP. 627-636

- **Dr. M. E. Jadhav** has Published paper entitled, "Simulation of Cantilever Biosensor for Rapid Detection of Mycobacterium Tuberculosis", in International Journal Of Innovative Research In Technology (IJIRT), IJIRT, Volume 8, Issue 11, ISSN: 2349-6002 April 2022, PP. 594-598

- **Dr. M. E. Jadhav** has Published paper entitled, "Facial Features Detection System To Identify Children With Autism Spectrum Disorder: Deep Learning Models" in , Hindawi-Computational and Mathematical Methods in Medicine 2022(1)DOI: 10.1155/2022/3941049 License CC BY 4.0, Volume 2022, Article ID 3941049, April 2022

- **Dr. M. E. Jadhav** has Published paper entitled, "Diagnosing Microscopic Blood Samples for Early Detection of Leukemia by Deep and Hybrid Learning Techniques", in International Conference on Advances in Computer Vision and Artificial Intelligence Technology (ACVAIT 2022), International Conference organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 1st -2nd Aug 2022

- **Dr. M. E. Jadhav** has Published paper entitled, "Glaucoma detection through OCT Images", RBU Journal of Library & Information Science 2022, ISSN: 0972-2750, PP 1-8.

- **Dr. M. E. Jadhav** has Published paper entitled, "Study On Encryption Decryption Of Rsa And Elgamal", in the Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org © 2023 JETIR February 2023, Volume 10, Issue 2 www.jetir.org (ISSN-2349-5162)

- **Dr. M. E. Jadhav** has Published paper, "Analysis Of Factoring Algorithms For Number Factorization", International Journal of Creative Research Thoughts (IJCRT) www.ijcrt.org, © 2023 IJCRT | Volume 11, Issue 3 March 2023 | ISSN: 2320-2882

- **Sonali S. Gaikwad** has Published paper, "A Novel Approach for Iris Recognition Model Using Statistical Feature Techniques", Emerging Technologies in Data Mining and Information Security. Lecture Notes in Networks and Systems, vol. 490. Springer, 2022. Singapore. Singapore. https://doi.org/10.1007/978-981-19-4052-1_47.
  Link: https://link.springer.com/chapter/10.1007/978-981-19-4052-1_47

- **Sonali S. Gaikwad** has Published paper, "Person Identification System based on Iris Pattern using Statistical and Machine Learning Techniques", International Conference on Computational Intelligence and Smart Communication (ICCISC-2022), Neuroquantology Journal, eISSN 1303-5150, 2022, (Scopus Index Journal).
  Link: https://www.neuroquantology.com/article.php?id=9598

- **Sonali S. Gaikwad**, has Published paper, "A Novel Method for Non-Proliferative Diabetic Retinopathy Disease Classification Using Image Processing Techniques", Neuroquantology Journal, eISSN 1303-5150, 2022, (Scopus Index Journal).
  Link: https://www.neuroquantology.com/article.php?id=9543

(Dr. A. B. Kadam)