

Sophia College (Autonomous), Mumbai

Departmental Report (2021 - 2022)

Departmental Activity:

1. Students participated in **online Science Day Activity** by preparing 'Cartoon Strip' on 'Inspiring Stories of Indian Scientists' on 27th February 2021.
2. During Ananya week, the department organized a mask painting competition on the college theme 'Hope, Courage, and Resilience'. 38 students registered for the competition and uploaded their painted masks in the classroom.
3. Department organized an online 'Yoga Session' on 2nd March 2022 from 5.00 pm to 6.15 pm on the college theme of 'Hope, Courage, and Resilience'. The resource person was Ms. Latika Sethi from our Junior College, Biology department. The session was very engaging and received very good feedback from 59 participants who responded out of the 71 participants.
4. Department completed an Add - on course on 'Python for Beginners' (10th November to 25th November 2021). 35 students (FY, SY, TY & MSc) have successfully completed the course.

Participation in Activities by Faculty:

1. Completed a course on 'Programming for Everybody (Getting Started with Python)' from Coursera
2. Completed Level – 1 MSDA Workshop on 'Introduction to Innovative Pedagogies for UG Teacher from 11th January 2022 to 13th January 2022
3. FDP on ICT tools on Effective Teaching Learning organized by IQAC, Kamla Nehru Mahavidyala, Nagpur from 8th to 10th June 2021.

Publications:

1. International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 3, March 2022 on '**Optical, Electrical and Structural Characterization of MNA Doped PS: PVS Polyblends Thin Film**'
2. International Journal of Advance Research and Innovative Ideas in Education, ISSN (O) 2395 – 4396, Volume – 7 Issue – 3, 2021 on '**Green Synthesis and Zeta Potential Measurement of Silver Nanoparticles**'
3. Sophia LUCID, A peer Reviewed Multi-Disciplinary Journal, Annual Volume – 1, Issue – 1, March 2022 on '**ICT: The New Horizon of Learning**'

4. Research articles in SCRIBE (Science Chronicles in Research and Investigation Based Education, Volume 3, 2022 on

i) **Thermally stimulated discharge conductivity of Polystyrene: Polyvinyl chloride & Meta nitro aniline doped Polyblend thin films**

ii) **Nobel Prize in Physics 2021: They Found Hidden Patterns in Complex Systems and Predicted Global Warming!**

Worked actively in Exam committee, Science Day Committee, EXSP committee, Staff Activity Committee, Add on Course Committee, Admission Committee.