DEPARTMENT OF CHEMISTRY

UNIVERSITY COLLEGE FOR WOMEN (Autonomous), Koti, Hyderabad-095

OPEN DAY CELEBRATIONS

Date: 24th March 2022

REPORT

University College for Women has celebrated Open Day Celebrations on 24th March 2022 with great splendor and scientific fervour. Department of Chemistry has also been an exciting part of the celebrations and enthusiastically displayed various models, exhibits, charts, demonstration experiments, working experiments, etc. On this occasion, the Department of Chemistry was kept open for the visit by students from schools, colleges in and around of Hyderabad. About 424 students from 27 schools and colleges and 25 faculty members have visited the Department. The list as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Name of the School / College | Number of students | Number of faculty |
| 1 | Slate, The School | 200 | 06 |
| 2 | NooriaSahakara Junior College | 14 | 01 |
| 3 | Sadhana College | 01 | 01 |
| 4 | Ambedkar College | 02 | - |
| 5 | BREUW college | 04 | - |
| 6 | Saanvi College | 07 | - |
| 7 | Excel Edge, The value school | 03 | - |
| 8 | Sreevani Women’s College | 25 | 01 |
| 9 | Wesley Degree College (Boys) | 08 | 01 |
| 10 | Jahnavi PG College | 01 | - |
| 11 | Islamia Degree College | 03 | - |
| 12 | RBVRR women’s College | 42 | 01 |
| 13 | Kasturba Gandhi College for Women | 08 | 05 |
| 14 | St. Adam’s High School | 01 | - |
| 15 | Wesley Women’s Degree College | 01 | - |
| 16 | Salamh High School | 16 | 03 |
| 17 | ISL | 01 | - |
| 18 | TSWRDC, Mahendra Hills | 12 | 02 |
| 19 | Saanvi PG College | 09 | 01 |
| 20 | Madina Degree College | 01 | - |
| 21 | Keshav Memorial College | 13 | 01 |
| 22 | St. Mary’s College | 01 | - |
| 23 | University College of Science, OU | 05 | - |
| 24 | JNTUH Main Campus | 01 | - |
| 25 | University College of Science, Saifabad | 02 | - |
| 26 | SN Vanitha Mahavidyalaya | 01 | - |
| 27 | KMICS PG College | 42 | 02 |
|  | Total | 424 | 25 |

The Staff and the students (both UG and PG) of the Department have put up great show by showcasing several models, exhibits, charts, demonstration experiments, working experiments, quiz program, riddles, snake and ladder, etc. Food stalls by undergraduate Food Science students was the highlight of the celebrations. The experiments displayed are:

|  |  |  |
| --- | --- | --- |
| Sl. No. | Name of the Experiment / model / Exhibit | UG / PG students |
| 1 | pH ranges of different compounds | UG |
| 2 | Flame tests of metal cations and ignition test of organic compounds. | UG |
| 3 | Stereochemistry- enantiomers - charts and models. | UG |
| 4 | Stereochemistry - models of alkanes , alkenes aromatic compounds | UG |
| 5 | Discoveries made by scientists | UG |
| 6 | Journey of the drug | UG |
| 7 | Elephant's tooth paste | UG |
| 8 | Soap preparation, how it works and the pH ranges of commercial soaps | UG |
| 9 | Rayon fibre (artificial silk) formation | UG |
| 10 | foodbarium on various topics | UG |
| 11 | Food stalls. | UG |
| 12 | Food adulteration demonstrations on 7 different types of groups. | UG |
| 13 | Green sanitizer | PG |
| 14 | Types of organic reactions- kit and chart | PG |
| 15 | Bohrs atomic model | PG |
| 16 | Chemistry around us | PG |
| 17 | Chem pencil and eraser | PG |
| 18 | Fun chemistry - game zone | PG |
| 19 | Column Chromatography and TLC demonstration | PG |
| 20 | Symmetry of organic molecules, Chirality (Axial, Planar, Helical) | PG |
| 21 | Nano crystals | PG |
| 22 | Thixotropy | PG |
| 23 | Colorimetry of glucose | PG |
| 24 | Spectroflourimetry of quinine sulphate demo and models | PG |
| 25 | Isolation of natural products- 1)Isolation of piperine from black pepper 2) menthol from mint leaves 3) caffeine from tea leaves. | PG |
| 26 | Absorption of coloured solutions by colorimeter | PG |
| 27 | pH of food materials by red cabbage indicator | PG |
| 28 | Chemical volcano | PG |
| 29 | Separation of pigments by Paper chromatography | PG |
| 30 | 3D periodic table | PG |
| 31 | Display of exhibits | PG |
| 32 | Displaying all glass ware | PG |
| 33 | Modes of heating | PG |
| 34 | Difference between conductometric titration and classical titrations | PG |
| 35 | Viscosity of liquids | PG |
| 36 | Surface tension of liquids | PG |
| 37 | National flag | PG |
| 38 | Chemical blood | PG |
| 39 | Pressure effect on water experiment | PG |
| 40 | Potentiometer | PG |
| 41 | Conductometer - demonstration | PG |
| 42 | Gaseous laws – Experiment demonstrating pressure effect | PG |
| 43 | Clock reaction | PG |
| 44 | Chemistry quiz, puzzle, luminescence | UG |
| 45 | Chemistry Snake and Ladder | PG |
| 46 | Sources of drugs | UG |
| 47 | Spectroscopy in space | PG |
| 48 | Pollution and pollutants analysis | PG |
| 49 | Organic farming - it's importance | PG |
| 50 | Display of various instruments | PG |
| 51 | Body n bath organic cosmetics vs artificial. | PG |
| 52 | Chemistry around corona | PG |
| 53 | Lava lamp | PG |
| 54 | Biochemical processes in human body | PG |

The best presentations have been selected by the Evaluators and Cash prizes from each specialization and subject will be awarded during the Lecture Series – I to be conducted on 30th March 2022 (06 prizes). E-Certificates will be given to all the participants.

Non-teaching staff have also extended all the support and cooperation for making this event a grand success.















