

IMMACULATE COLLEGE FOR WOMEN
DEPARTMENT OF COMPUTER SCIENCE
Department Event Report for the Academic year -2022-2023

NAME OF THE EVENT : EXHIBITION
DATE OF THE EVENT : 03.03.2023
VENUE O THE EVENT : IN DEPARTMENT
TIME OF THE EVENT : 9 AM TO 3 PM

The inauguration of the science expo event was held on 3rd march 2023 in our college. The program started with prayer song at 9am. The HOD and all the faculty members were presented at the exhibition. Various games conducted in this expo. Students from every class and various department students participated the events. Students present different types of models which were related to different branches of science like projector, projector with 3d hologram, smart city, online car booking website etc. Our honorable chief guest along with the principal mam and HOD surveyed the entire exhibition and also took details from the respective students about each of their models. In the end, HOD thanked everyone for participating in this exhibition.



**REPORT ON CONFERENCE ON IMPACTS OF EMERGING TRENDS AND
TECHNOLOGIES ON SOCIETY**

NAME OF THE EVENT : Conference
DATE OF THE EVENT : 06.04.2023
VENUE OF THE EVENT : COLLEGE AUDITORIUM
TIME OF THE EVENT : 9 AM TO 3 PM

On 6th April 2023 International Conference has been conducted in our department. Dr.S.Muthukumar, Assistant Professor, Department of computer Science and Engineering, Dhanalakshmi Srinivasan College of Engineering and technology, Mallapuram Chennai. Was the chief guest. Totally Six papers were presented they are

Paper Title	Presenter
Virtual Mentorship for Medico -A Gateway to Neet	S.Thejeshvini and M Tamil Mani
Brain Machine interface using Neuralink	A.Shifana and V.Kaviya
Anti – Hiv Treatment Using nano robots	K.Sowmiya and R.Madhumitha
Fake news detection and classification using Natural language Processing	D.Hemasujithaa and P Gokila Varthini
Peanut pods Classification using Deep Learning	M Lavanya and K Durga Devi
Spread the smile – The web Application	V Mahalakshmi and A Arthi

From the above six paper “Virtual Mentorship for Medico – A Gateway to Neet” presented by S.Thejeshvini and M Tamil Mani got the first prize



HISTORY:

- Dr. Adriano Covaletti has invented the first practical Hardware architecture for nanorobots as a CMOS nanoelectronics circuit.
- 1991 Carbon nanotubes are discovered.
- 1991 invention of Atomic Force Microscope (AFM).
- 2000 Invention of nanofactory.



Dr. Adriano Covaletti

Report on IOT Workshop

NAME OF THE EVENT : IOT Workshop
DATE OF THE EVENT : 03.02.2022 to 31.03.2022
VENUE O THE EVENT : DUPIS AUDITORIUM
TIME OF THE EVENT : 9 AM TO 3 PM

Immaculate College for Women, Cuddalore organized the “Short Term Course on IIOT” held from 03.02.2022 to 31.03.2022. **MR.S.BALABASKER, Founder, Ediylabs technology Solutions**, has conducted the program to the participants comprising, Our second-year students from Department of Computer science, Computer Application and Physics. The entire course was conducted at College Auditorium.

“If you think that the internet has changed your life, think again. The Internet of Things is about to change it all over again!” — Brendan O’Brien, keeping those words in minds this workshop provided the updated IOT with all one requires to get aware of the “**Industrial Internet of Things – IIOT**”. The primary objective of this workshop focused on developing skills in IIOT technologies using Arduino-UNO programming.

DAY – 1(03.02.2023):

The First day of the workshop started with a prayer song. The organizer Mr. S. Bala Baskar, commenced the workshop with an introduction note on IIOT. Then the students were divided into 20 groups and were asked to mark out some ideas to implement IIOT on problems that require solutions.

II BCA	08
II CS	10
II PHY	02
Total	20 Groups

DAY – 2 (10.02.2023):

Day – 2 involved students in a small preview with a simulator software named “WOKWI” on mobile phone just as a trial before directly working using hardware components.

DAY – 3 (17.02.2023):

The participants were provided with a hardware kit consisting of Arduino board, other electrical and electronic component with which they were given a task to light a LED.

DAY – 4 (24.02.2023):

Fourth day of the workshop was utilized to download the Arduino software, with which the programs are written.

DAY – 5 & 6 (17.03.2023):

The participants were asked to make use of the buzzer given in the hardware kit and write coding with the help of Arduino software. The students were asked to write a code such that they make use of soil moisturizer, touch sensor and joystick given in the hardware kit.

DAY – 7 & 8 (31.03.2023):

The organizer gave a short recap on the tasks learned from the previous sessions and conducted quiz. Students eagerly participated as a team, in the competition. And all the participants were

asked to download the 'Blynk' app in their mobile phone. This app aids in controlling the hardware components without involving any coding.

After the final workshop the students were asked to prepare a team wise project based on their knowledge and understanding of the program gained from the course.

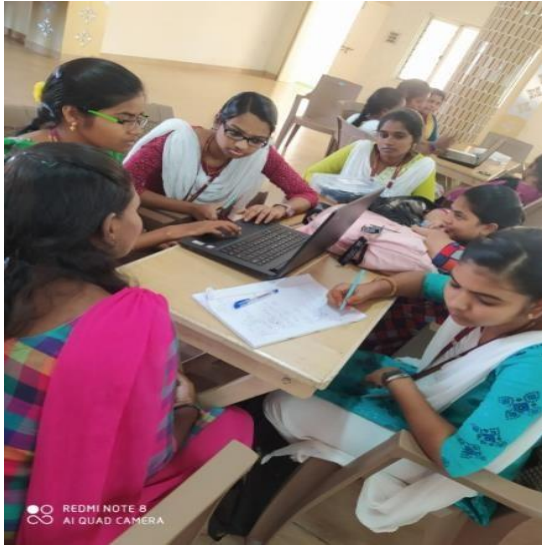
PROJECT IDEAS

1. Smart Railway Station Accident Prevention
2. Heart Pulse Sensor
3. Distance Measure
4. Automatic Water Irrigation
5. Gas Leakage Detector
6. Automatic Plant Watering System Using Soil Sensor
7. Control Electric Bulb From Mobile
8. Smart Dustbin
9. Fire Sensor with LED and Buzzer
10. Automatic Hand Sanitizer Dispenser using Arduino
11. Smart RFID Door Lock
12. Traffic Light Control
13. Water Level Monitoring System
14. Preventing Clothes from Rain using Rain Drop Sensor
15. Automatic Plant Watering System
16. Traffic Light Control

List of participants from various Departments

TOTAL NUMBER OF PARTICIPANTS: 151

DEPARTMENT	NO. OF STUDENTS
II – BCA	72
II – CS	53
II – PHYSICS	26
TOTAL	151



4. Valedictory function

NAME OF THE EVENT : Valedictory function

DATE OF THE EVENT : 14.06.2023
VENUE O THE EVENT : DUPIS AUDITORIUM
TIME OF THE EVENT : 9 AM TO 3 PM

On 14th June the Valedictory function took place at Dupuis auditorium at 9:30 AM. The Chief Guest Dr. J. Balaji, Asst.Prof., Dept of Physics, University college of engineering, Panruti explored the project exhibited by the students of department BCA, Computer science and Physics and gave marks based on the ideas and presentation. After the project exhibition, the program started with the prayer song followed by the Welcome address done by Dr.P.Rajamani, Asst.Prof., Dept of Physics, then the Chief Guest & the trainer Mr. S. Balabaskar shared their thoughts about the students project and announced the first three prize winners. Later the program ended with Vote of thanks by Ms. Mary Ramya Poovizhi, Head, Dept of Computer Science and College Anthem.

WINNERS OF THE IIOT PROJECT SPECTACLE

Place	Team Members	Year & Dept	Project Title	Awards
I	T.Arthi R.Pavithra M.Sujatha R.Rishiga S.Nandhini	III BCA	Smart Railway Station Accident Prevention	Received Cash Award of Rs.2000 & Certificates
II	V.Niranjana V.Vigneshwari P.Logesh Priya M.Sugapriya E.Jennisha	III Computer Science	Matrix Printer	Received Cash Award of Rs.1500 & Certificates

III	S.Monalisa S.Kiruthisha M.Shalini	III BCA	Preventing Clothes from Rain Using Rain Drop Sensor	Received Cash Award of Rs.1000 & Certificates
Special Appreciation	Abitha & Team	III Physics	Gas Detector	Received Cash Award of Rs.500 & Certificates



14-Jul-2023 11:28:47 am
Puducherry



14-Jul-2023 11:29:29 am
Puducherry



14-Jul-2023 11:51:48 am
Tamil Nadu



14-Jul-2023 12:14:49 pm