Detailed Report

The Department of Botany, Chemistry, Electronics & Physics Department Asutosh College in association with Asutosh College Hub Centre, Extension activity committee & IQAC Asutosh College has organised a one day workshop named "**Innovative Electronic project using Arduino & Hands on Training on Soap making**" on 13/05/2024. The required data are presented below:

1-st part of the Workshop:

THEME OF THE PROGRAMME: Hands on Training on Soap Preparation.

ACADEMIC SESSION: 2023-2024

DATE: 13th May, 2024

VENUE: Department of Chemistry, Asutosh College

OBJECTIVE/ PURPOSE:

➢ To describe the students about the basic chemistry involved in the laboratory preparation of soap.

➢ To provide hands on training on soap preparation amongst students.

TARGET AUDIENCE/ PARTICIPANTS: Students of Santoshpur Rishi Aurobindo Balika Vidyapith (Hub School).

BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:

Department of Botany and Chemistry in Collaboration with Extension Activity Committee, Hub Centre, IQAC & NSS Unit, Asutosh College organised an Extension Activity on 'Hands on Training on Soap Preparation' on 13th May, 2024. A team of faculty members consisting of Dr. Mithu Biswas from the Department of Botany and Dr. Arpita Roy from the Department of Chemistry carried out the demonstration of the soap preparation in the laboratory of Department of Chemistry, Asutosh College.

The faculty members have interacted with the students and have distributed leaflets to them with the detailed description of soap preparation which have generated good interest amongst the students.

EXPECTED OUTCOME:

➢ Make students aware about the basic chemistry behind the soap preparation.

➢ To help the students to understand how to conduct a laboratory-based experiment with precaution by expertise faculty members of Asutosh College.

➢ To furnish knowledge on hands on training of soap preparation amongst students.

➢ To develop quarticity amongst the students about the fundamental processes involved for any other daily day product development.

FLYER OF THE EVENT:

PHOTOGRAPHS OF THE EVENT ON SOAP MAKING:

Dr. Mithu Biswas and Dr. Arpita Roy along with students from Santoshpur Rishi Aurobindo Balika Vidyapith describing the process of soap preparation.

13.05.2024 14:36
22.52524, 88.34586
92, Shyama Prasad Mukherjee Rd, Jatin Das Park, Patuapara,
Bhowanipore, Kolkata, West Bengal 700025, India

Different faculty members from Botany, Physics, Chemistry department and students of Chemistry department after successful completion of the soap making workshop along with students from Santoshpur Rishi Aurobindo Balika Vidyapith describing.

2ⁿᵈ part of the Workshop:

Venue – Dept. of Physics

Date & Day – 13/05/2024, Monday.

Name of the seminar/webinar/workshop - Innovative Electronic project using

Arduino & Hands on Training on Soap making

The organising committee -

1) Dr. Surjya Sarathi Bhattacharyya (Joint Coordinator),

2) Dr. Mithu Biswas (Joint Coordinator),

3) Dr. Arpita Roy (Joint Coordinator),

4) Dr. Amit Kumar Bhattacharjee, Dr. Parikshit Dutta, Dr. Aditi Das, Dr. Arpita

Bose & Dr. Manorama Chatterjee (Joint Event Organizer),

5) Mr. Somnath Das (Flyer Preparation),

6) Participants - Students of Semester 4 Physics Honours and Physics General.

7) Judge – Retd. Prof. Dr. Bikas Chandra Pal

8) Best Presentation Winning Student – Rudraksha Roy & Debojyoti Mondal

YouTube Link - No. It's an offline initiative.

Brief summary of the initiative:

The workshop was inaugurated in the presence of our Honourable judge Prof. Bikash Pal, Dr. Rina Kar Dutta (Teachers Council Secretary), Dr. Sraboni Roy (IQAC coordinator), Dr. Keya Ghosh (convener academic sub committee) and Dr. Sayani Mukhopadhyay (Governing Body Member) alongwith the faculty members of the Department and 62 student participants of the 4th Semester Physics Honours and General course along with 8 students and 2 teachers from Santoshpur Rishi Aurobindo Balika Vidyapith participated in the workshop.
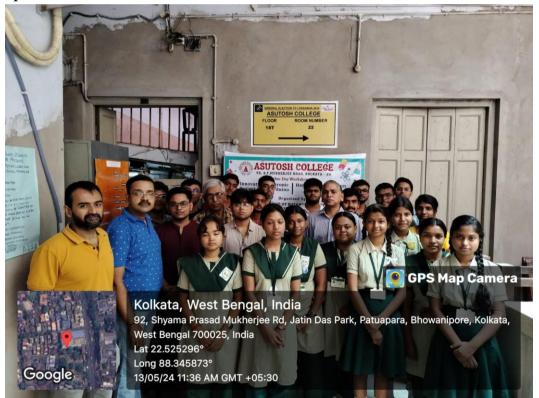
Prof. Pal in his inaugural speech highlighted the importance of Application of Electronics for career progression in higher academics. All invited guests interacted with the student participants to learn about their Project and their varied application outside the domain of the subject. With the help of a Desktop PC/Laptop and Arduino uno board, students demonstrated various projects. To name a few "Four-channel Arduino Voltage logger" , Road Rumble Game using Arduino UNO microcontroller", "SUN TRACKING SOLAR PANEL using Arduino" etc.

The students then faced a viva-voce by Prof. Pal & other faculty members of the Department. Depending on the overall performance these students earned the rank: 1st Rudraksha Roy & Debojyoti Mondal, 2nd. Adrift Sarkar, 3rd. Ankush Bakshi.
The Workshop ended with a Vote of Thanks. A few memories are attached.

Prof. Bikash Pal along with students from Santoshpur Rishi Aurobindo Balika Vidyapith

From left Dr. Parikshit Dutta, Dr. Kunal Sinha, Prof. Bikash Pal, Dr. Surjya Sarathi Bhattacharyya along with students of 4th semester and students from from Santoshpur Rishi Aurobindo Balika Vidyapith

From left Dr.Paromita Chaudhuri, Dr. Manorama Chatterjee & Dr. Sraboni Roy (IQAC coordinator) along with students during workshop

Dr. Keya Ghosh (convener academic sub committee) and Dr. Sayani Mukhopadhyay (Governing Body Member) along with Dr. Surjya Sarathi Bhattacharyya (Joint Coordinator) and student participants.

Srl No.	Roll Numbers	Registration Numbers	Signature of Candidates	
1	223012-11-0076	012-1211-0717-22	Sanjana Sarkar	
2	223012-11-0077	012-1211-0725-22	Anwesha Mandal	
3	223012-11-0080	012-1211-0733-22	Supriya Paul	
4	223012-11-0081	012-1211-0736-22	Mighanjana Nag	
5	223012-11-0082	012-1211-0744-22	Jyoti Mallick	
6	223012-11-0083	012-1211-0745-22	Ritika Karmakar	
7	223012-11-0084	012-1211-0748-22	Ayushi Chowdhury	
8	223012-11-0085	012-1211-0753-22	Meghla Majhi	
9	223012-11-0086	012-1211-0754-22	Shalini Das	
10	223012-11-0088	012-1211-0760-22	Ayana Besak	
11	223012-11-0090	012-1211-0764-22	Swastika Ghimin	
12	223012-11-0091	012-1211-0768-22	Alisha Pathak	
13	223012-11-0275	012-1212-0761-22	Sarmistha Roy Barman	
14	223012-11-0342	134-1211-0389-20	Samapriya Chowdhury	

Srl No.	Roll Numbers	Registration Numbers	Signature of Candidates	
1	223012-21-0058	012-1111-0722-22	Kanishka Paul	
2	223012-21-0060	012-1111-0726-22	Rupanjan Roy	
3	223012-21-0061	012-1111-0728-22	Jeet Maity	
4	223012-21-0062	012-1111-0729-22	Debajyoti Roy Chowdhury	
5	223012-21-0063	012-1111-0731-22	Sk Rajjak	
6	223012-21-0064	012-1111-0735-22	Soham Paul.	
7	223012-21-0065	012-1111-0739-22	Akash Patra	
8	223012-21-0066	012-1111-0740-22	Atri Sankar	
9	223012-21-0067	012-1111-0746-22	Ayanik Das	
10	223012-21-0068	012-1111-0747-22	Ranit Banerjee	
11	223012-21-0069	012-1111-0750-22	Ankush Bakshi	
12	223012-21-0070	012-1111-0752-22	Rudrabha Ring	
13	223012-21-0071	012-1111-0755-22	Adreet Sarkar	
14	223012-21-0072	012-1111-0756-22	Debojyoti Mondal	
15	223012-21-0073	012-1111-0757-22	Ranit Mondal	
16	223012-21-0074	012-1111-0758-22	Debanjan Dutta	
17	223012-21-0076	012-1111-0766-22	Anupam Pahari	
18	223012-21-0078	012-1111-0770-22	Rajdeep Das.	
19	223012-21-0080	012-1111-0772-22	Delundra Kar Majumder	
20	223012-21-0081	012-1111-0773-22	Himadri Halder.	
21	223012-21-0082	012-1111-0774-22		
22	223012-21-0084	012-1111-0776-22	Diptal Ghosh	
23	223012-21-0085	012-1111-0777-22	Sourjyadip Mohinta	
24	223012-21-0086	012-1111-0778-22	Tulin Kumar Jana	
25	223012-21-0087	012-1111-0779-22	Animesh Maity.	

Srl No.	Roll Numbers	Registration Numbers	Signature of Candidates
1	223012-21-0259	012-1112-0734-22	Hrithik Naskar
2	223012-21-0260	012-1112-0737-22	Suvo Das.
3	223012-21-0324	012-1114-0738-22	Sourav tarafdar
4	223012-21-0325	012-1114-0742-22	Suman manna
5	223012-21-0335	012-1115-0724-22	Shanawar Khan.
6	223012-21-0357	146-1112-0681-21	Priyangshu Saha

Srl No.	Roll Numbers	Registration Numbers	Signature of Candidates
1	223012-12-0010	012-1211-1594-22	Jayanta Mondal
			Bristi Raju

Srl No.	Roll Numbers	Registration Numbers	Signature of Candidates
1	223012-22-0004	012-1111-1519-22	Kuntal Samanta
2	223012-22-0010	012-1111-1525-22	Jayanta Mondal
3	223012-22-0012	012-1111-1528-22	Bishal Bala.
4	223012-22-0021	012-1111-1544-22	Bishal Gupta
5	223012-22-0024	012-1111-1550-22	Ankit Pandey
6	223012-22-0025	012-1111-1553-22	Siddharta Kumar Jha
7	223012-22-0028	012-1111-1564-22	
8	223012-22-0033	012-1111-1574-22	Prabhat kumar sharma
9	223012-22-0035	012-1111-1577-22	Swakchal Biswas.
10	223012-22-0037	012-1111-1580-22	Soumik Paul
11	223012-22-0040	012-1111-1586-22	
12	223012-22-0044	012-1111-1592-22	Indrajit Saha
13	223012-22-0046	012-1111-1595-22	Suman Neogi
14	223012-22-0048	012-1111-1600-22	Aditya Thakur
15	223012-22-0049	012-1111-1601-22	Mobin Ashraf
16	223012-22-0055	012-1112-1558-22	Dipanjan Mondal.
17	223012-22-0066	012-1115-1549-22	Suvas Shailch
18	223012-22-0069	012-1115-1573-22	
19	223012-22-0072	012-1111-0903-21	Soham Banerjee.

SCHOOL:- Koyel Das

1) NAME:-
2 PROJECTS YOU LIKE MOST:- a) Automated plant watering system b) Air quality monitoring system

2) NAME:- Shreya Chakraborty.
2 PROJECTS YOU LIKE MOST. a) Automated plant watering system b) Air quality monitoring sy

3) NAME:- Sagarika Patra. a) Wet and Dry waste Sorting Trash Can using ARDUINO b) Automated pla watering syst
BEST TWO PROJECTS:-

8)

4) NAME:- Diya Mondal a) Water Label Sencen b) line follow Robot.
BEST TWO PROJECTS

5) NAME:- Ishani Roy a) Water Lovel Sencen b) Line Robo
BEST TWO PROJECTS

6) NAME :- Debanita Mondal

BEST TWO PROJECTS

a) Road Rumble Game Using

b) Voice Controlled Night Using Arduino

7) NAME : Shreya Das

BEST TWO PROJECTS

a) Road Rumble Game using

b) Wet and dry waste sorting Trash Can using arround

8) NAME :- Kiyasha Shaw.

BEST TWO PROJECTS.

ⓐ Road Rumble.
ⓑ line follower robot.

Attendance Sheet: available
https://drive.google.com/file/d/1Ggujl-Gvmf1zLrWCMQonNSkHgD7sOkNH/view?usp=sharing

Few Project video-links are also attached
1. https://drive.google.com/file/d/1H2mHUHr__2mrA4T7UieD9QlffhNiHmD_/view?usp=drive_link
2. https://drive.google.com/file/d/1FSC-Zna3mO6IuShEq-3oee6v66R8WeNm/view?usp=drive_link
3. https://drive.google.com/file/d/1nxIgnWdH12rp5hEkKGD2zXKEc2wI43mY/view?usp=sharing
4. https://drive.google.com/file/d/10W0FCpAS8kw4omuMzTnfWOvpnXd7w89M/view?usp=sharing
5. https://drive.google.com/file/d/1VRAJHiD9E5E9ZA7nuJ-U4uelXvwgZXT0/view?usp=sharing
6. https://drive.google.com/file/d/1FGKyuQhkh8URVP9Wj1Oi1MlHyD2BQkrF/view?usp=sharing
7. https://drive.google.com/file/d/1CNKFgcKKfMMksXu_Qm5RRwMfoTkw3R_R/view?usp=sharing
8. https://drive.google.com/file/d/15nDUFiR8GB00AX4F7xHhvcfIjNCVDux4/view?usp=sharing