

Report of activities conducted by the Institutions Innovation Council, Government Polytechnic Curchorem (IIC-GPC) for the IIC Academic year 2023-24 i.e. from 01st September 2023 to 31st August 2024

Introduction:

In accordance with the Circular No. 8/1/97/11C/DTE/2023 dated 02/11/2023 of Ministry of Education (MoE), Government of India (GoI) an Institutions Innovation Council (IIC) was set up in the Government Polytechnic Curchorem (GPC) to foster innovation and creativity among students. Further, the Institutions Innovation Council Committee of GPC (IIC-GPC) was constituted vide Order No. 1/126/NEP2020/GPC/2023-24/1007 dated 15/11/2023 towards fulfilling the envisioned objectives of the IIC.

Meeting of the Institutions Innovation Council was conducted on 11th March 2024 at 11:30am in the chamber of Principal, GPC to review activities conducted in the Quarter 2 of the Academic Year 2023-24, plan events/activities to be conducted during the Quarter 3 (1st March - 31st May 2024) of the Academic Year 2023-24, to explore collaborations & associations opportunities etc.

Following are the activities conducted by the IIC-GPC for the period from its constitution till 31st August 2024.

1. QUARTER II : FROM 01ST DECEMBER 2023 TO 28TH FEBRUARY 2024

a. Visit to the Incubation Center - ITI, Cacora on 05/01/2024



40 Nos. Final Year students of Diploma in Computer Engineering visited the Incubation Centre setup at ITI, Cacora on 05th January 2024. The purpose of the field visit was to provide students with practical exposure to various Internet of Things (IoT) enabled devices & systems made available at the said Incubation Centre and a better understanding of the latest developments in the field of computer engineering.

Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering coordinated the visit.

b. Drone Technology Workshop on 02/02/2024



A Drone Technology Workshop was conducted for the students of the GPC on 09th February 2024 from 02:15 pm to 05:15 pm in the institute campus. 60 Nos. final year students from Diploma in Mechanical Engineering (DME), Diploma in Electrical & Electronics Engineering (DEE) and Diploma in Computer Engineering (DCE) participated in the workshop.

Workshop was conducted with an aim to introduce students to the following fundamentals of drone technology:

- i. Basic principles of flight and drone operation.
- ii. Types of drones and their applications in different industries.
- iii. Safety measures and regulations governing drone usage.
- iv. Hands-on training sessions to familiarise students with piloting drones.

Workshop was a collaborative effort involving institute faculty and an industry expert having specialisation in drone technology. Mr. Carmelito Andrade was the Resource Person for the workshop.

The Workshop was coordinated by Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering and Mrs. Bhumite S. G. Dessai, Lecturer in Computer Engineering.

c. Awareness Drive regarding Technical Education from 03/02/2024 to 13/02/2024



An Awareness Drive regarding “Opportunities offered through Technical Education” was conducted for the students from the schools in the vicinity of the institute. Some of the schools visited were Holy Cross Institute - Quepem, Government High School - Vaddem, Government High School - Balli, Government High School - Ambaulim, Government Higher Secondary - Sanguem. Nearly 360+ Nos. students from aforementioned schools benefited through this initiative.

Sessions towards the awareness drive were delivered by Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering, Mr. Premanand Velip, Lecturer in Electronics Engineering and Mr. Paresh Panshikar, Lecturer in Mechanical Engineering.

d. **National Science Day Celebration on 28/02/2024**

National Science Day was celebrated on 28th February 2024 from 2.15pm to 5.15pm in the institute campus. The celebration was open to students of all Diploma in Engineering Programmes for participation.

As a part of celebration following activities were planned:

i. **Technical Talk by Resource Person**



Mrs. Preetha R. Rao, Lecturer in Physics (Selection Grade), GPC delivered a technical talk on the topic “Importance of Science in Technical Education”. Talk was attended by 100+ students and faculty members of different branches of engineering from the institute.

ii. **Science/Engineering Project Exhibition**



Science/Engineering Project Exhibition was hosted with an aim to provide students a platform to showcase their creations and innovations, foster learning and collaboration, and inspire future innovations in the field of Science and Engineering.

14 different projects related to Science and Engineering were exhibited and all of them were the creations of the students of our institute.

iii. **“गगनझोप” - Innovative paper-plane making & flying competition**



Innovative paper-plane making and flying competition was organised with an aim to encourage creativity & innovation, celebrating fun and recreation among students and staff of the institute. 39 participants took part in the competition.

Celebration and conduct of various activities was coordinated by Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering, Mrs. Siddhi Pai, Lecturer in Electrical Engineering and Mr. Premanand Velip, Lecturer in Electronics Engineering.

2. **QUARTER III : FROM 01ST MARCH 2024 TO 31ST MAY 2024**

a. **International Women's Day Celebration on 08/03/2024**

An International Women's Day (IWD) was hosted on 8th March 2024 from 2.15pm to 5.15pm in the institute campus to celebrate social, economic, cultural and political achievements of the women's and spread awareness about the importance of Women Empowerment towards upliftment of society among the student and staff community.

Following activities were conducted on the occasion of International Women's Day:

i. **Talk titled - Sparking Innovation & Fostering Entrepreneurship**



Talk on the topic, “Sparking Innovation & Fostering Entrepreneurship” was delivered by Mrs. Sonia Garcha Committee Member of CSpashala an ACM India initiative, Consultant & Director of YouthAid Foundation, Pune and Board Member of International Association for Community Development (IACD) and attended by 80+ students, faculty and beneficiaries of community development initiative.

ii. **Quiz for Staff & Student on 08/03/2024**

Quiz titled “Celebrating Women” was hosted on 08/03/2024 to encourage engagement and participation along with assessment of knowledge and understanding of the Staff & Student.

Celebration event and activities were coordinated by Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering, Mrs. Siddhi Pai, Lecturer in Electrical Engineering and Mrs. Bhumite S. G. Dessai, Lecturer in Computer Engineering. Mr. Premanand Velip, Lecturer in Electronics Engineering hosted the quiz.

3. **QUARTER IV : FROM 01ST JUNE 2023 TO 31ST AUGUST 2024**

a. **Student participation in the Quiz Competition for Category 2 - Polytechnic Colleges organised by Goa University in association with ISRO**

As per the directives of the Government of India, Goa University in association with the Master Control Facility of Indian Space Research Organisation (ISRO), Hassan, Karnataka organised a one-day event of National Space Day (NSD) 2024 on 26th July 2024 to commemorate the successful landing of Chandrayaan 3 on Moon. The said event was organised on 26th July 2024 from 09:00 am to 05:00 pm at Dr. Shyama Prasad Mukherjee Indoor Stadium, Goa.

A Quiz competition for Category 2 - Polytechnic Colleges with the theme "Touching the lives while touching the Moon" was one of the planned activities during the event. Government Polytechnic Curchorem was invited by Goa University to register its presence at the said quiz via their email dated 17th July 2024.

In response to the above referred email, 04 students from the institute were identified to represent Government Polytechnic Curchorem at the quiz competition. Students were identified on the basis of the quiz competition conducted at the institute level.

Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering coordinated the various activities pertaining to the quiz. Mrs. Sharon Menezes, Lecturer in English (Selection Grade) accompanied the students to the venue.

b. National Space Day Celebration on 23/08/2024



National Space Day was celebrated to commemorate the success of Chandrayaan-3 mission, which accomplished safe and soft-landing of Vikram Lander at 'Shiv Shakti' point and deployment of Pragyaan Rover on the lunar surface on 23rd August 2023.

Following activities were conducted on the occasion of National Space Day:

i. Session on the topic titled “The Future of Space Exploration: Opportunities and Challenges”



Session titled “The Future of Space Exploration: Opportunities and Challenges” was delivered by Mr. William Afonso, Senior Project Manager with IT Services Provider Infosys Based in Mangalore, Karnataka, India.

Mr. William Afonso holds Bachelor's Degree in Electronics and Telecommunications Engineering from Goa College of Engineering and a Masters Degree in Information Technology Service Management from the University of Dallas, Texas, United States of America and has passion for Astronomy and Music.

The session was attended by 118 First Year students from Diploma in Mechanical Engineering, Diploma in Electrical & Electronics Engineering and Diploma in Computer Engineering.

ii. Technical Talk on the topic “Satellite Internet” (Online Mode)



Technical Talk on the topic “Satellite Internet” was delivered by Mr. Parag Desai, Network Operations Manager with USA Department of Defence, Based in Germany in an online mode.

Mr. Parag Desai holds a Diploma in Electronics and Telecommunications from Government Polytechnic Bicholim, Bachelor's Degree in Electronics and Telecommunications Engineering from Goa College of Engineering and a MBA from EU Business School, Germany.

118 First Year students from Diploma in Mechanical Engineering, Diploma in Electrical & Electronics Engineering and Diploma in Computer Engineering registered their presence for the talk.

iii. Ideathon 2024 - “Providing Technology Backed Solutions to the Landslide Problem” on 23/08/2024



Ideathon 2024 an institute level competition was organised with an aim to provide an opportunity to students for showcasing their innovative ideas and skills. The theme of the Ideathon 2024 was “Providing technology Backed Solutions to the Landslide Problem”

Total 15 students from different branches of Engineering of the institute representing 07 teams participated in the Ideathon 2024. Mr. Praveen R. Kamat, HoD, Electrical & Electronics Engineering, Dr. Sangita V. Kamat, Lecturer in Maths (Selection Grade), Mr. Devanand Dessai, Lecturer in Mechanical Engineering served as the judge for the Ideathon 2024. All the participants were awarded with the Participation certificate.

Mr. Devendraprasad C. Kuvelkar, Incharge HoD & Lecturer in Computer Engineering and Mrs. Preetha R Rao, Lecturer in Physics (Selection Grade) coordinated proceedings of the events conducted on the occasion of National Space Day.

sd/-

Devendraprasad C. Kuvelkar
President, IIC-GPC