

## Activity Report For the month of November 2022 (Physics Department)

### I. DEPARTMENTAL ACTIVITIES

- i. Personality Enhancement Programmes:-
- ii. Green Activities:-
- iii. Crossover Learning Initiatives:- NIL
- iv. Activities with Alumni-participation :NIL
- v. Nodal Activities NIL

### II. E-CONTENT CREATION AND INNOVATIVE PEDAGOGICAL PRACTICES

#### Dr. Swati Pawar

Recorded two modules in Konkani for DISHTAVO, T.Y.B.Sc , Paper PYC 107 on 24/11/2022 at HRDC, Goa University.

#### Dr. Ramu Murthy

i. Recorded four modules in Konkani for DISHTAVO, S.Y.B.Sc , Paper PYC 103 on 7/11/2022 at HRDC, Goa University.

ii. Recorded four modules in Konkani for DISHTAVO, T.Y.B.Sc , Paper PYC 106 on 28/11/2022 at HRDC, Goa University.

#### Dr. Miskil Naik

Recorded four modules in Konkani for DISHTAVO, Paper PYC 105 on 24/11/2022 at HRDC, Goa University.

#### Ms. Siddhi Parsekar

Recorded two modules in Konkani for DISHTAVO, S.Y.B.Sc , Paper PYS 105 on 01/11/2022 at HRDC, Goa University.

#### Dr. Kapil Salkar

Recorded three modules in Konkani for DISHTAVO, S.Y.B.Sc , Paper PYD106 on 10/11/2022 at HRDC, Goa University.

- vi. NODAL ACHIEVEMENTS (Prizes won, honours/scholarships received/competitive exams cracked)

- i. Students

*In case of individual events:*

I. Nil

*In case of group events:*

I. NIL

- II. Faculty Members:

Nil

**vii. RESEARCH**

**i. Faculty Members**

**▪ Papers Presented**

**Papers Publish**

**▪ Projects Undertaken**

**Name of Principal Investigator:** Dr Swati Pawar and Dr Miskil Naik,

**Stature of Project:** Major

**Status:** Ongoing

**Title of the Project,** “Design & Development of a Photovoltaic and Human Power Hybrid Energy System”

**Funding Agency:** DST Goa

**Amount Received/Sanctioned:** 3 lakhs,

**Outcome/Expected Outcome (in brief):** We have designed, developed and tested prototype of hybrid energy system which consists of solar power and human driven mechanical energy which is generated by exercise bicycle. This system is capable of generating 12v output which can be used to charge mobile, wi-fi device and rechargeable battery.

**Webinars/Seminars/Conferences attended**

**▪ Any Other :**

**Dr. Miskil Naik**

- Organised talk on Legal and ethical aspects of mental health and substance abuse on 3<sup>rd</sup> November 2022 for science students. Adv. Aishwarya Prabhu Sinari was invited as the resource person.
- Dhempe College under DBT star college scheme invited students from Union High School ,Chimbel and Auxallium High School Taleigao on 14<sup>th</sup> November 2022. Physics department displayed the optical instrument like telescope, spectrometer and microscope and explained the students about the functioning of it .Also in collaboration with Association of Friends of Astronomy ,students also observed sun spot.48 students took the benefit of the programme.





- Staff guild of the college organised talk on Financial Literacy on 15<sup>th</sup> November 2022 for the staff. Mr. Anish Abuquerque CFO, Imperial wealth services was invited to deliver the session, where he spoke about the different financial plans.

### **Ms. Siddhi Parsekar**

Participated along with students in Road Safety Awareness Action at Miramar Circle on 3<sup>rd</sup> November 2022 from 9am to 10:30am organised by the Consumer Welfare Cell of VMS College of Law and GOACAN.



- All the faculty members of Physics department attended the talk on Financial Literacy by Mr. Anish Albuquerque, CFO, Imperial Wealth Services on 15<sup>th</sup> November 2022 organised by the Staff guild of the college.

ii. **Students** (same format as above to be followed)

- **Papers Presented: NIL**
- **Papers Published: NIL**
- **Projects Undertaken (Not TY Projects): NIL**
- **Any Other : NIL**

viii. **COLLABORATIONS AND LINKAGES (if any)**

- i. IL  
NIL

**SKILL DEVELOPMENT COURSES** (all knowledge-based skill enhancement courses adding to the critical/creative/experiential thinking abilities of the learner) **(if any)**

Proposal with budget submitted

ix. **EXTENSION AND OUTREACH (Green activities not to be repeated)**

NIL

x. **NODAL ACTIVITIES OF FACULTY MEMBERS**

i. **Prominent Positions held within the institution**

**Mr. S.S. Burye:** Co-ordinator of IGNOU study centre.

**Dr. Swati Pawar:** Vice Principal, HoD Physics and AISHE Nodal Officer

ii. **Prominent Positions held outside the institution**

**Dr. Miskil Naik**

- EC Member Central IAPT.
  - iii. **Consultancy/Research/Co-curricular services provided. NIL**
  - iv. Invitations as Chief Guests, Judges, Resources Persons, Keynote Speakers et Deputations as Experts to other institutions/bodies as part of academic/administrative/co-curricular/research/extramural consultancy. : **NIL**
  - xi. **ALUMNI ACHIEVEMENTS (if any)**
    - Any landmark achievement of an alumnus/alumna in the last five years.
    - Any distinguished alumnus/alumni to be mentioned.  
**Ms Michelle Rodrigues of 2017-18 batch is currently a research scholar in Quantum Solid State Physics at KU Leuven, Belgium and has published two papers in International Journals.**
  - xii. **GENDER SENSITIZATION/EQUITY PROGRAMMES (if any)**

Any activity conducted towards achieving gender sensitization focussed on:  
NIL
  - xiii. **BEST PRACTICES (not featuring under any Header above):**

NIL
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