



**UNIVERSITY GRANTS COMMISSION
MALAVIYA MISSION TEACHER TRAINING CENTRE
GOA UNIVERSITY**

**Refresher Course in
Computational Sciences
(ONLINE)**

From 17.01.2024 to 01.02.2024

**For the members of the faculty of
College / University that are included under
Section 2(f)/12 (B) of the UGC Act**

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**Dr. Ingrid Anne P. Nazareth, Asst. Professor
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UGC- MALAVIYA MISSION TEACHER TRAINING CENTRE
GOA UNIVERSITY

Refresher Course in Computational Sciences (Physics, Chemistry, Electronics,
Computer Science and Maths (Inter-disciplinary)

From 17/01/2024 to 01/02/2024 (Online Mode)

REPORT

1. UGC-Malaviya Mission Teacher Training Centre, Goa University has conducted its Refresher Course in Computational Sciences (Physics, Chemistry, Electronics, Computer Science and Maths) (Inter-disciplinary) Online mode. A total of 35 participants registered for the course. The Participants were from the State of Goa, and other States also Maharashtra, West Bengal, Tamil Nadu, Kerala, Karnataka, Chandigarh, Odisha Gujarat and Nagaland. Most of the participants attended the Online Refresher Course in Computational Sciences (Physics, Chemistry, Electronics, Computer Science and Maths) (Inter-disciplinary) were from outstation. It may also be noted that the gender wise bifurcation of the participants is as follows :
Male - 25 Participants and Female – 10 Participants.
2. Prof. Ms. Purva Hegde Desai, In - charge Director, UGC-Malaviya Mission Teacher Training Centre, Goa University welcomed the Resource Person and the participants of the Refresher Course. Further Dr. Ramesh V. Pai, Professor of Physics, School of Physical and Applied Sciences, Goa University, has inaugurated the Refresher Course in Computational Sciences (Physics, Chemistry, Electronics, Computer Science and Maths) (Inter-disciplinary) in the presence of Dr. Ingrid Anne P. Nazareth, Assistant Professor, UGC- Malaviya Mission Teacher Training Centre. The Course was Co-ordinated by Dr. Jivan S. Parab, Professor of Electronics, School of Physical and Applied Sciences, Goa University. The course was divided into 4 lecture sessions from (a) 10.00 am – 11.30 am (b) 11.45 am – 1.15 pm (c) 2.00 pm – 3.30 pm (d) 3.45 pm – 5.15 pm with a lunch-break of 45 minutes duration from 01:15 pm to 02:00 pm.
- 3 The Course was enriched with most eminent Resource Persons across the Country. The participants were from the various disciplines. Some of the topics that were presented by the participants are: (i) Biomaterials; the materials of today & tomorrow (ii) Language of

Mathematics (iii) Perovskite based organic-inorganic hybrid flexible solar cell: A Leap Towards Sustainable Energy (iv) Influence of Eyeglasses on the Cross-spectral Periocular Verification (v) Handwritten HIP- A Survey (vi) Modelling of Low Power Nanoscale Devices (vii) Astronomy from space: study of Xray Binary (viii) Decision Tree for Classification and Regression (ix) Measuring distance in two ways: The Euclidean metric and the Cartesian metric (x) A Glimpse of Data Science Using Python

- 4 Further, the participants were requested to write Major Research Project Proposal as per UGC format, which was later evaluated by the Course Coordinator. The participants were also requested to submit the Seminar Presentation Report on the topic of their choice, which was assessed simultaneously. The participant's session was also held (online). At the end, the participants answered the objective type test, which was evaluated and graded accordingly.
- 5 The valedictory function was held on 01st February, 2024. The valedictory address was delivered by the Chief Guest Prof. Vidhyadatta M. Shet Verenkar, Dean, School of Chemical Sciences, Goa University. Select participants shared their oral feedback during the Valedictory Function. The course ended with the vote of thanks proposed by Prof. Jivan S. Parab, Coordinator of the Refresher Course in Computational Sciences (Physics, Chemistry, Electronics, Computer Science and Maths) (Inter-disciplinary). Accordingly, we are enclosing herewith:

- a. Time-table
- b. Name of Resource persons and topics.
- c. Name of the participants & their area of specialization
- d. Participants details
- e. Evaluation Participants Summary

gAnazareth

(Dr. Ingrid Anne P. Nazareth)
Assistant Professor (UGC-MM-TTC)

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PM

(Prof. Ms. Purva G. Hegde Desai)
Director-In-Charge-UGC-MM-TTC

In-Charge DIRECTOR
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GOA - 403 206



24.4.24

**UGC-MALAVIYA MISSION TEACHER TRAINING CENTRE
GOA UNIVERSITY**

**Refresher Course in Computational Sciences (Physics, Chemistry,
Electronics, Computer Science and Maths) Online
From: 17/01/2024 to 01/02/2024**

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Subject	Total
Chemistry	06
Computer Science	09
Electronics	08
Maths	03
Physics	09

Gen	17
OBC	12
SC	06
ST	00

Chandigarh	02
Goa	05
Gujarat	01
Karnataka	02
Kerala	04
Maharashtra	09
Nagaland	01
Odisha	01
Tamil Nadu	06
Telangana	02
West Bengal	03

Male	25
Female	10