



GOA STATE RESEARCH FOUNDATION

(Established through Goa Act 8 of 2022)

Application for Summer School Scheme

Application Details

Application Number SS2024030

Coordinator Information

Name	Mridini Mahadev Gawas
Mobile No.	+91 8668858583
Email ID	mridinigawas@unigoa.ac.in
Designation	Assistant Professor
Official Address	School of Physical and Applied Sciences, Goa University

Deputy Coordinator Information

Name	Aditi Venkatesh Naik
Mobile No.	+91 8669609224
Email ID	aditinaik@unigoa.ac.in
Designation	Assistant Professor

Address

School of Biological Sciences and Biotechnology, Goa
University

Institution Details

Name and complete address of the Institution

S.No	Name of the Institute	Institute Address
1	Goa University	Taleigao Plateau, Goa 403206

Event Details

A broad area of the workshop

Title of the summer/winter school

Target audience

Proposed starting date

Proposed ending date

Total number of working days

No. of participants

Resource Persons Details

S.No	Name	Designation	Address
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Topics (syllabus) to be covered

S.No	Days	Session Wise Topics/Syllabus
1	2024-11-18	session 1, 2, 3: Differential Equations - Basic Theory about Differential Equations and applications in different areas Session 4,5,6 : Graph Theory - Introduction to graph theory and its applications in day to day life
2	2024-11-19	Session 1,2,3 : Computer Science - Mathematics and Computer science Session 4,5,6 : Computer Science - Machine learning techniques in mathematics
3	2024-11-20	Session 1,2,3 : Mathematical Modelling - Introduction to few real life mathematical models Session 4,5,6 : Linear Algebra - Applications of Linear algebra, cryptography etc.
4	2024-11-21	Session 1,2,3 : Computer Applications : Modelling using Machine learning techniques Session 4,5,6 : Computer Applications : Introduction to AI
5	2024-11-22	Full day hands on session on computational mathematics using software MATLAB, SCILAB
6	2024-11-25	Session 1,2,3 : Applications of Mathematics in Biomedical Feilds. Session 4,5,6 : Computational Biology
7	2024-11-26	Session 1,2,3 : Introduction to Partial Differential Equations Session 4,5,6 : Applications of PDE's

Budget Details

S.No	Item	Amount
1	Consumables Including chemicals, essential glassware, etc.	5000.00
2	<p>Honorarium</p> <p>A. Resource Person Lecture rate, Rs.750 per session (1 hour each)</p> <p>No. of Sessions : 30</p> <p>B. Resource Person Practicals/Field rate, Rs.750 per session (2 hour each)</p> <p>No. of Sessions : 16</p> <p>C. Assistant(s) for eg. in laboratory etc., Rs.500 per day each person</p> <p>No. of People : 1</p> <p>No. of Days : 4</p> <p>As the resource persons are expected to be from the same institute no Travel budget is allowed</p>	36500.00
3	<p>Working lunch, tea, snacks</p> <p>At the rate of Rs. 400.00 per day</p> <p>No. of People : 35</p> <p>No. of Days : 7</p>	98000.00
4	<p>Contingency</p> <p>For stationery, photocopying, certificate printing, etc.</p>	10000.00
5	Overhead (20% of the total (S.No. 1-4))	29900.00

S.No	Item	Amount
	TOTAL	
	Important Notice: To ensure compliance with our financial policies, please note that the total amount should not exceed 2.5 Lakhs. For lesser no. of days it shall be calculated proportionally.	179400.00

Expected outcome

Not more than 100 words

The proposed winter school includes applications of Mathematics in different fields like Physics, Biology and Computer Sciences. It also includes computational part where participants will get chance to learning programming techniques. At the end of the proposed winter school on Computational and Applied Mathematics participants will

- strengthens their mathematical proficiency outside of college time.
- boost confidence in their math abilities.
- By receiving additional instruction and succeeding in challenging math activities, students can feel more confident in their math skills
- help to better performance in the classroom.

List of Uploaded Certificates


Declaration by the coordinator

Certificate (from Principal/Registrar) on official letterhead


DECLARATION

I, Dr Mridini Mahadev Gawas is interested in conducting the workshop for UG students. Our institute has all the facilities, and I have identified appropriate resource persons for the proposed winter school on Computational and Applied Mathematics in the area of Mathematics. In the event of any emergency Dr Aditi Naik (Assistant Professor), will carry out the functions of the coordinator.

I shall abide by all the terms and conditions of the grant for conducting this school. I shall take utmost care of the participants during the training period, be it laboratory or the field.

Signature: 
Name (Coordinator)

Date: 25/07/2024

Signature: 
Name (Deputy Coordinator)

Date: 25/07/2024

गोंय विद्यापीठ

ताळगांव पठार,

गोंय - ४०३ २०६

फोन : +९१-८६६९६०९०४८



(Accredited by NAAC)

ATMANIRBHAR BHARAT
SWAYAMPURNA GOA

Goa University

Taleigao Plateau, Goa-403 206

Tel : +91-8669609048

Email : registrar@unigoa.ac.in

Website : www.unigoa.ac.in

CERTIFICATE

Date: 25th July 2024

Dr Mridini Mahadev Gawas (Assistant Professor), has been appointed as coordinator and Dr Aditi Naik (Assistant Professor), as Deputy coordinator for conducting the “winter school on Computational and Applied Mathematics” for UG students. Our institute has all the facilities and will be extended to conduct this programme.

We shall abide by all the terms and conditions of the grant for conducting this school. The institute will take responsibility for submitting all the documents after the event, including the Report, attendance sheets, feedback forms of participants, UC and Statement of expenditure.

V. S. Nadkarni
20/07/24

Signature (Registrar):

Name Prof. V.S. Nadkarni

Seal Registrar
Taleigao Plateau-Goa

Prof. V.S. Nadkarni
REGISTRAR
Goa University
Taleigao Plateau-Goa.

