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Prof. Santosh Kumar Tripathy  
Vice Chancellor, FMU, Balasore

**Patron**

Prof. Munesh Chandra Adhikary  
Chairman, PG Council, FMU, Balasore

**Convener**

Dr. Gauranga Charan Samanta

**Organizing Secretary**

Dr. Amit Kumar Sharma

**Organizing Committee**

Dr. Sanjaya Kumar Parhi  
Dr. Sushomita Mohanta  
Mr. Avaya Naik

-----**Contact Persons**-----

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**Workshop**

**On**

**Conceptual Understanding in Mathematics  
(CUM-2022)**

**August 17-26, 2022**



**Organized by,**

**P.G. Department of Mathematics  
Fakir Mohan University,  
Vyasa Vihar, Odisha-756019  
India**



## About the University

The Fakir Mohan University, Vyasa Vihar, Balasore was established by the Government of Odisha, under Section 32 of the Odisha Universities Act, 1989 (Act 5 of 1989) and it was notified vide the Government's Notification No. 973 dated 3rd July, 1999. The University has also been duly recognized by the UGC under section 2(f) of the UGC Act by the Notification No. F-9-1 / 2000 (CPP-I), dated 11th February 2000 as well as under section 12(B), vide UGC letter No. F.9-1 /2000 (CPP-I) dated 23rd December, 2005. It has also been accredited by the Association of Indian Universities, vide their letter No. Meet: SC: 261:2K/108693, dated 22nd August, 2000. The University is functioning from its present campus at Vyasa Vihar. New campus at Nuapadhi has already started functioning. All the P.G. Departments of the University are computer based. Automation of the office and the library is going to be completed soon.

## About the Department

The P. G. Department of Mathematics was established in 2018. The department has dedicated and energetic faculty members with extensive knowledge in pure & applied Mathematics. The Department offers Ph.D., M.Phil. and 2 years M.Sc. programme in Mathematics. Subsequently, the department offers opportunities for research in a wide spectrum of areas in Mathematics such as: Algebra, Analysis, Financial Mathematics, Theoretical Cosmology, Numerical Analysis, Complex Analysis, Inventory Models etc. The department is intensely involved in research and teaching and transfers it to the academic and industrial sectors through publications, lectures, collaborations etc.

## About the Workshop

The workshop will provide a unique opportunity for the participants to understand the basic concepts in Mathematics with special focus on the following objectives:

- To develop basic skills which will allow students to investigate mathematical concepts.
- To develop a deeper conceptual understanding.

## Topics to be covered

Real Analysis  
Linear Algebra  
Probability

Abstract Algebra  
Complex Analysis  
Ordinary Differential Equations

**Registration Fee**  
Rs. 500 (To be paid after selection for the workshop)

## Mode of Payment

Registration fee is accepted through online transfer  
A/c Holder Name: Head, Department of Mathematics  
Bank Name: UCO Bank  
Branch: Ganeswarpur Ind Estate  
A/c No.: 12910110102909  
IFSC Code: UCBA0001291

## Accommodation & Food

The arrangements for the accommodation and food of the students will be made in university hostels for free. Participants are requested to bear their transportation. No TA and DA will be paid.

## IMPORTANT DATES

Registration	: 11.07.2022-25.07.2022
Publication of List of Shortlisted Candidates	: 28.07.2022
Payment of Registration fees	: 29.07.2022-05.08.2022
Publication of 2 <sup>nd</sup> list of candidates (If required)	: 06.08.2022
Payment of fees for 2 <sup>nd</sup> selection	: 07.08.2022-10.08.2022

For Technical queries, please contact:  
Dr. A.K. Sharma (9337199181)  
Email id: amit110786@gmail.com

## Resource Persons

1. Dr. G.C. Samanta, FMU, Balasore
2. Dr. S.K. Parhi, FMU, Balasore
3. Dr. A.K. Sharma, FMU, Balasore
4. Dr. S. Mohanta, FMU, Balasore
5. Mr. A. Naik, FMU, Balasore

## Number of participants

50 (Fifty)

## Eligibility Criteria & Selection procedure

- Students should be studying in B.A./B.Sc. in a college under Fakir Mohan University, Balasore
- He/She must have Mathematics Honours
- Selection will be made on B.A./B.Sc. marks
- Priority will be given to final year students

## Workshop Registration Form

Individuals who wish to register for CUM-2022 are requested to fill up the google form:  
<https://docs.google.com/forms/d/1kBg-EMVzsaQutZy8PIP4L0DdQIaAjbWJms-1OtxJhZo/edit>

Further they are required to send the following documents to the email id: [amit110786@gmail.com](mailto:amit110786@gmail.com)

**BONAFIDE CERTIFICATE**

This is to certify that Mr./Ms. \_\_\_\_\_, S/o or D/o  
Mr./Mrs. \_\_\_\_\_ bearing roll number \_\_\_\_\_ is a  
bonafide student of \_\_\_\_\_ semester of the Department of Mathematics for the  
academic year \_\_\_\_\_ at our college \_\_\_\_\_  
\_\_\_\_\_ (college name).

He/She is reliable, sincere, hardworking and bears a good moral character.

College name and address

Principal  
(Signature with seal)