Dr. Sudha D Kamath

MANIPAL
ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)

MAHER001923

MAHE/HR/MIT/2024
July 08, 2024

Mr. Ankan Charan
Village-Bankadaha,
Bishnupur- 722164,
Bankura- West Bengal
Email: ankan2024.a@gmail.com | Ph: 91-7908252110

Dear Mr. Ankan,

Sub: Engagement as Junior Research Fellow

We are pleased to engage you as Junior Research Fellow under CSIR-HRDG, New Delhi under the scheme -EMR-II funded research project titled *"Exploration of Quantum Cutting process in Ca2MgWO6 phosphors doped with rare earth (RE = Sm3+, Dy3+ and Er3+) ions for luminescent solar concentrator application"* at Department of Physics, Manipal Institute of Technology, Manipal as per the following terms and conditions:

- This engagement will be for a period of one year from your date of joining further extendable based on the performance and the requirement of the project.
- You will be paid remuneration of Rs. 31,000/- + 9%HRA during this period
- You are not entitled for PF or any other service benefits/allowances during this engagement.
- You are entitled to Medicare Facility with payment of applicable premium.
- You will be eligible for 24 days of leave in a year. However, availing leave at a stretch is strictly restricted to 5 days.
- This engagement may be terminated at any time by giving one month notice in writing or by payment of one month salary in lieu thereof from either side.

You shall report for duty to The Director, MIT, Manipal on or before July 20, 2024. We hope that, you will enjoy working with us and find your time rewarding.

Yours sincerely,

Dr. Giridhar Kini
Registrar

Copy to:
1. The Director, MIT, Manipal
2. The Director - Finance, MAHE, Manipal
3. The Director – HR, MAHE, Manipal

Ankan Charan

Mail Id : ankan2024.a@gmail.com
ankan1234.a@gmail.com

Curriculum Vitae

Education

2013 **Secondary Examination, West Bengal Board of Secondary Education,**
Percentage – 83.14%

2015 **Higher Secondary Examination, West Bengal Council of Higher Secondary Education,** Percentage – 81.8%

2015-2018 **B.Sc (Physics Hons.)**, *Kharagpur College (Affiliated to Vidyasagar University)*, Kharagpur, West Bengal 721305, *Physics Honors.*
Percentage-66.125%

2018-2020 M.Sc. Presidency University, Kolkata 700073, West Bengal, India

Semester 1: Mathematical Methods
Classical Mechanics: Particles & Fields
Quantum Physics 1
PG Laboratory 1
PG Laboratory 2
SGPA - 5.60, GRADE – C

Semester 2: Statistical Mechanics
Classical Electrodynamics
Condensed Matter Physics
PG Laboratory 3: Computational

Village-Bankadaha, Bishnupur– 722164, Bankura– West Bengal, India

® *+917908252110,* • $ ankan2024.a@gmail.com, ankan2024.a@gmail.com

Techniques PG Laboratory 4
SGPA – 6.80, GRADE – B

Semester 3: Quantum Physics 2
Introduction to Astrophysics
General Relativity and
CosmologyProject 1
Project 2
SGPA – 6.80, GRADE – B

Semester 4: Atomic and Subatomic
Special Laboratory
(Astrophysics Lab)Project 3
Project 4
Project 5
SGPA – 7.80, GRADE - A

Overall CGPA & Grade: 6.75 & Grade - B

Specialization In my M.Sc. I took a special paper on **Astrophysics & Cosmology**.

[redacted] Master thesis

Title: Finite Mode Analysis of Maxwell's Field Equations

Supervisors: Assistant Prof. Dr. Sobhan Kumar Sounda

Descriptions:

I have done a project work on Plasma Physics under the supervision of Prof. Dr. Sobhan Kumar Sounda of Presidency University, it was a one-year program. Here I was trying to solve these nonlinear magnetohydrodynamic equations in two dimensions (2D) using a code named "PLUTO". Solution of these coupled ODEs may have nonlinear wave-like solutions (also called Alfven waves). These nonlinear Alfven waves propagating outwards from the core of the Sun, can carry very high energy. We know a chaotic nature of magnetic field is present in the coronal region of the Sun. Due to this chaotic nature the temperature of solar corona is very much higher than the body temperature of the Sun. In my project work my goal was finding the heating problem of solar corona.

Village-Bankadaha, Bishnupur– 722164, Bankura– West Bengal, India

® *+917908252110,* • $ ankan2024.a@gmail.com, ankan2024.a@gmail.com

Languages

English R/W/S

Bengali R/W/S

Hindi S

Computer skills

Python (basic)

Interests

Hobby: To Write

Qualification

JAM Qualified 2018

JEST Qualified 2021 with All India Rank 551

GATE Qualified 2024 with All India Rank 1548

Village-Bankadaha, Bishnupur– 722164, Bankura– West Bengal, India

® *+917908252110,* • $ ankan2024.a@gmail.com, ankan2024.a@gmail.com

GRADUATE APTITUDE TEST IN ENGINEERING 2024

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४

ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU

SCORE CARD

Name of the Candidate
ANKAN CHARAN

Name of the Parent/Guardian
ASIM CHARAN

Registration No.	**PH24S26512029**
Test Paper	**Physics (PH)**
Date of Examination	**February 3, 2024**
GATE Score	**436**
All India Rank (AIR) in the test paper	**1548**
Number of candidates appeared for the test paper	**20258**

Marks out of 100	**37.67**
Qualifying Marks	
General	**32.0**
EWS/OBC-NCL	**28.8**
SC/ST/PwD	**21.3**

Ankan Charan

Prof. Chandra Sekhar Seelamantula
Organising Chairperson, GATE 2024
On behalf of NCB-GATE
Ministry of Education (MoE)

fda23fb9b98902628bf2fbee617d3e3e

A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2027.

GATE SCORE COMPUTATION

The GATE 2024 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q)\,\frac{(M - M_q)}{(M_t - M_q)}$$

where
M is the marks obtained by the candidate in the paper mentioned on the GATE 2024 Score Card
M_q is the qualifying marks for general category candidates in the paper
M_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared for the test paper
S_q = 350, is the score assigned to M_q
S_t = 900, is the score assigned to M_t

M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here, μ is the mean and σ is the standard deviation of marks of all the candidates who appeared for the test paper.

Qualifying in GATE 2024 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates.

Graduate Aptitude Test in Engineering (GATE) 2024 was organised by Indian Institute of Science, Bengaluru, on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.