

# Department of Physics

Morigaon College

Morigaon: Assam: 782105

Email: [physics.mc1964@gmail.com](mailto:physics.mc1964@gmail.com)

Website: <https://physics.morigaoncollege.online/>

Date: 31 March 2023

To,  
The Principal,  
Morigaon College,  
Morigaon, Assam,

Subject: Asking permission to organize a national Level workshop on “**Visualizing the structure of a star**”

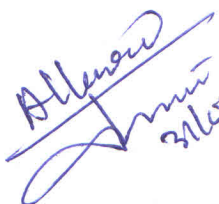
Respected sir,

With due respect and humble submission, I want to state to you that, we are going to organize a national workshop on “**Visualizing the structure of a star**” on **11<sup>th</sup> April 2023**. Through this letter, we request to grant the permission for the aforementioned assignment.

With regards,

  
H O D. PHYSICS  
MORIGAON COLLEGE  
Morigaon - 782105

Mrs. K. Sarmah  
Head of the Department,  
Department of Physics,  
Morigaon College

  
Annu  
21/03/23  
MORIGAON COLLEGE

# Department of Physics

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Email: [physics.mc1964@gmail.com](mailto:physics.mc1964@gmail.com)

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Date: 5 April 2023

To

Dr. Bhim Prasad Sarna  
Associate Professor  
Department of Mathematics  
Tezpur University,  
Tezpur, Napaam, Assam

Greetings from Morigaon College.

Sir, we are pleased to inform you that, we are going to organize a National level workshop on “**Visualizing the structure of a star**” on 11/04/2023. You are invited as a guest speaker for the same.

Date 11 April 2023

Time 11 A.M

Venue AKG Hall, Morigaon College.

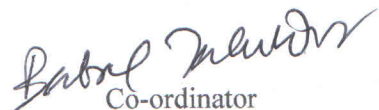
With Regards,



HOD

Department of Physics.  
Morigaon College.

**H O D. PHYSICS  
MORIGAON COLLEGE  
Morigaon , 782105**



Co-ordinator

National Workshop

**Visualizing the structure of a star**



## Department of Physics

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### Notice

Date: 8 April 2023

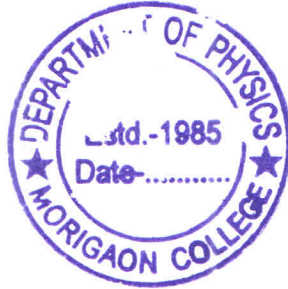
It is hereby informed to all the students of Science stream of Morigaon College that, National Workshop is going to organize on **11<sup>th</sup> of April, 2023** on “**Visualizing the structure of a star**” to be conducted by Department of Physics, Morigaon College. **Dr. Bhim Prasad Sarma**, Asso. Professor, Dept. of Mathematics, Tezpur University, Tezpur will present as a resource person.

Therefore, interested students are requested to be present at the workshop.

Date **11<sup>th</sup> of April, 2023**

Time **10 AM**

Venue **AKG Hall**



With Thanks,

Mrs. K. Sarmah

Head of the Department

Dept. Of Physics

Morigaon College.

H O D. PHYSICS  
MORIGAON COLLEGE  
Morigaon 782105

Department of Physics  
Morigaon College  
Morigaon Assam-782105



## Report on National Workshop

Topic: "Visualizing the structure of a star"

Date: 11<sup>th</sup> April 2023

Resource person: Dr. Bhim Prasad Sarmah,  
Associate Professor,  
Tezpur University

### Introduction:

Since the days immemorial, night sky has been a fascinating subject for the people across the world. In early days, peoples have classified the constellations and observed the planetary motions through these constellations. In recent years, with the development of the modern technologies, our concepts on the cosmic objects specially on the stars have improved. Physics inside a stellar scenario have been theoretically demonstrated by many scientists, till date; where the strong gravitational inward force is balanced by the outward radiation pressure. In this workshop, we have addresses the basics of stellar physics, spectroscopic classifications, radiation physics, Plasma inside a star etc.

### About the workshop

The national workshop entitled "Visualizing the structure of a star" has been organized by Department of Physics, Morigaon College, Morigaon, Assam. With the national anthem of Republic of India the workshop started. Dr. B.P. Sarmah, the Resource person, Dr. L.K. Borthakur, principal, Morigaon College and Mrs. K. Sarmah, H.O.D., Physics, Morigaon College lighted the lamp. Dr. Borthakur welcomed the gathering. Dr. H.J. Sarmah, the convenor of the workshop smoothly conducted the session.

Dr. B.P. Sarmah, the resource person delivered a lecture on the topic "Visualizing the structure of a star". He mainly addressed the origination and significance of the stellar equations. In addition, he also focused on the astrophysical Plasma inside a typical star, considering sun, as a standard example.

### Participants

Total Number of Participants: 50.

Participants mostly joined from North-Eastern India along with Bihar.

### Feedback received from the participants

The participants conveyed a satisfactory feedback report to the organizing committee. Most of the participants found it helpful, which may help them for enhancement of knowledge in the said field. The national workshop also enabled to motivate the participants toward higher education and also further research in astrophysics.



# NATIONAL WORKSHOP



On

## VISUALIZING THE STRUCTURE OF A STAR

### RESOURCE PERSON

**Dr. Bhim Prasad Sarmah**

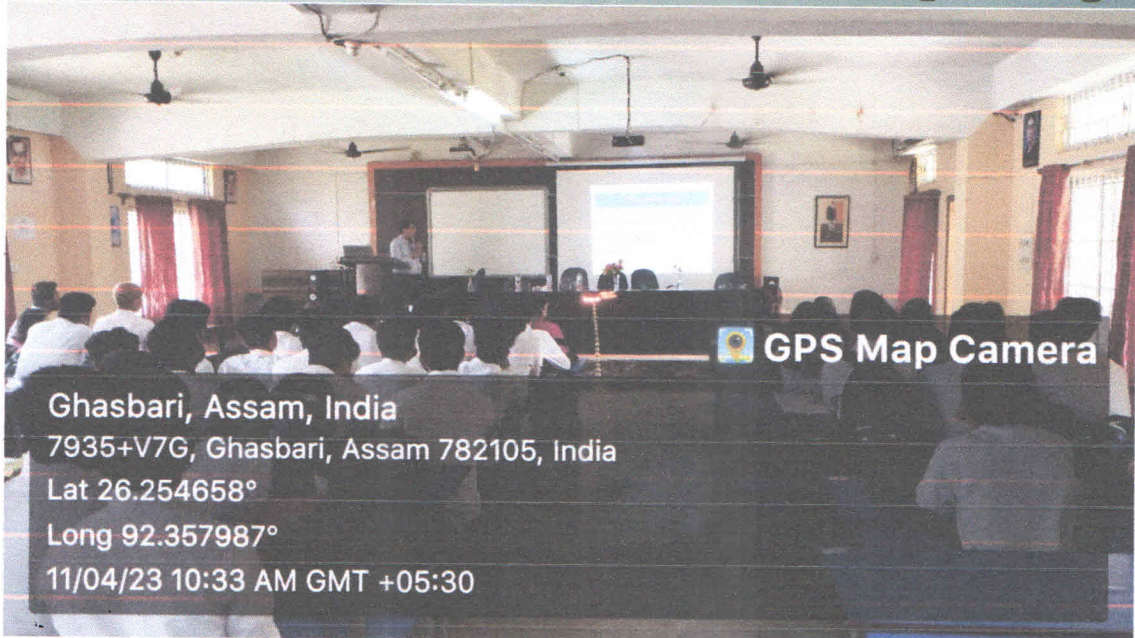
Associate Professor, Tezpur University

*Organized by*

Department of Physics  
Morigaon College

Date : 11<sup>th</sup> April, 2023  
Time : 10 AM

Venue: AKG Hall  
Morigaon College



GPS Map Camera

Ghasbari, Assam, India  
7935+V7G, Ghasbari, Assam 782105, India  
Lat 26.254658°  
Long 92.357987°  
11/04/23 10:33 AM GMT +05:30

RBS



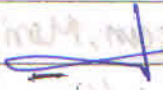


National Workshop on  
"Visualizing The Structure Of A Star"

Date: 11/04/2023  
Venue: A K G Hall.

Resource Person: DR. Bhim Prasad Sharma.  
— Tezpur University.

Signature —

  
Principal.

Vice Principal

Hemalata Sharma

  
Resource Person

ICAC  
Co-ordinator  
Ranjit Kumar Kalita

Convenors —  
Hemanga Jyoti Sarma

Co-ordinator of  
workshop.  
Batal Talukder

1. N. I. Ali Ahmed  
Kabita Sarma.

Members —

Arumina Sarma.

Ranjit Mahanta

# Students/Participants -

Signature

Phone No.

Address/Class

1.	Seuj Pratim Bhuyan.	9365760573	H.S. 1st Year Morigaon college
2.	Ankita Baruah	7896088331	H.S. 1st year Morigaon college
3.	Parismila Mahanta	9387590220	H.S 1 <sup>st</sup> year Morigaon. College
4.	Ariyan Nath	8812002640	H.S 1 <sup>st</sup> year Morigaon collage
5.	Simanta Bordoloi	8822563957	Bsc 2nd sem Morigaon
6.	Bikram Bhuyan.	6901759008	B.Sc 6 <sup>th</sup> sem, Morigaon
7)	Lakhya Jyoti Borua	9395251972	college. //
9)	Chandan Nath	9394971090	"
10)	Chitranandra Bara	9132254419	"
11/	Chayanika Hukoi	4086950310	BSc 4 <sup>th</sup> sem "
12/	Imran Ahmed.	7896467149	B.Sc. 4 <sup>th</sup> sem "
13/	Taiyabur Rahman	9707515998	B.Sc 4 <sup>th</sup> sem "
14)	Abir Azariella	9101621059	B.Sc 4 <sup>th</sup> Sem "
15)	Pranab Kr Biswas	8822719254	B.Sc 4 <sup>th</sup> Sem "
16)	Naba Jyoti Sarker	9395092166	B.Sc 4 <sup>th</sup> sem "
17/	Amam Meheci	9864747795	B.Sc 2 <sup>nd</sup> sem
18/	Biku Moini Deka	9957170315	B.Sc 2 <sup>nd</sup> sem
19)	Shahmiran Ahmed	6002438456	BSc 2 <sup>nd</sup> sem.
20/	Chinmoy Borah.	8822014633	B.Sc. 2 <sup>nd</sup> sem. "
21/	Jitumoni Hira	6001562892	B.Sc 2 <sup>nd</sup> sem
22/	Blaskar Senapati	8822178204	B.Sc 2 <sup>nd</sup> sem.
23/	Kapil Madur.	9613659967	B.Sc 6 <sup>th</sup> sem.
24/	Wazid Akhtar	6001490415	B.Sc. 6 <sup>th</sup> sem
25/	Deep Jyoti Nath	9101348350	B.Sc. 6 <sup>th</sup> sem
26/	Grijamul Hogue	6002701842	B.Sc. 6 <sup>th</sup> sem
27/	Anwar Das	7099748236	B.Sc 6 <sup>th</sup> Sem



30.	Molina Begum	9864179113	B.Sc. 4th Sem.
31.	Dikshita Rani Das	8822828007	HS 2nd Year
32.	Nisha moni Bora	6003224156	BSC 2nd Sem
33.	Pakhipalli Nath.	8822076248	B.A. 2nd Sem.
34.	Rupsana Akter	7002656331	B.Sc 2nd Sem
35.	Suhana Sultana	9365420107	BSC 2nd Sem
36.	Diksharani Das.	9365301546	BSc 2nd sem
37.	Fathina Sultana	9394740771	B.S.C 2nd Sem
38.	Pakiza Hashira Sakif	8099066917	BSc 2nd Sem
39.	Kishanu Kumare Muka	8822079954	BSC 2 <sup>nd</sup> sem
40.	Arnab jyoti Kashyap	8822033203	"
41.	Jyoti Sankar Nath	8099968326	"
42.	Samudra Mostering	6282217263	B.Sc 2 <sup>nd</sup> sem
43.	Moneina Boudoloi	8638041007	1 <sup>st</sup> year
44.	Sri Kiran Jyoti Raja	8812007953	HS 1st year
45.	Geetashree Das	8135909161	H.S 1st year
46.	Nilotpal Bora	9101673016	B.Sc 4th Sem
47.	Dipankar Saikia	6003736265	B. Sc. 2nd Sem
48.	Simanta Das.	8133381671	B. Sc. 6 sem -
49.	Shamim Akter	6913730686	B. SC. 2nd Sem
50.	Pranabjyoti Palai	8135009559	PhD Scholar, IIT P.

## Feedback:-

1. The workshop is very informative.  
Dr. Sarma Sir has explained the topic in a very easy way and made it very interesting.

Bikram Kumar

2. We gain a lot of knowledge from Edis workshop. Thank you Physics dept for arranging such a workshop.

Parismita Mahanta

3. Today's workshop about visualizing the structure of a star is very informative.

The resource person clearly explains the structure of a star in a very simple way.

— Bikumoni Deka.

4. The resource person Dr. Sarma Sir clearly explains about the structure of a star using simple mathematics.

The workshop is very much interesting for the students like us.

— Deep Jyoti Nath.