



## ISHWAR NETAM

Born on 16 March

[ishwar75.github.io](https://ishwar75.github.io)

📍 Raipur, Chhattisgarh, India

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## ACADEMIC QUALIFICATIONS

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*Present* Integrated Msc Physics 10th Semester  
From Center For Basic Sciences (CBS), Pt. Rvaishankar Shukla University (PRSU), Raipur, Chhattisgarh, India.

2020 – 2023 Bsc Honors (Physics)  
From Center for Basic Sciences (CBS), Pt. Ravishankar Shukla University (PRSU), Raipur, Chhattisgarh, India.

- Scored: 7.71 CGPA (73.47 %)

2019 Higher Secondary Education  
From Prayas Residential School Jagdalpur, Chhattisgarh Board of Secondary Education (CGBSE).

- Scored: 80.20 %

2017 Secondary Education  
From Boys High School Abhanpur, Kanker, Chhattisgarh Board of Secondary Education (CGBSE).

- Scored: 84 %

## RESEARCH INTEREST

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## TECHNICAL SKILLS

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Operating System: Windows, Linux

Programming Languages: Python, C/C++, Fortran

Data Analysis: MS Office Excel, MATLAB, Matplotlib, Panda

Documentation: Overleaf, MS Office Word

Softwares: MS Office, PowerPoint, Jupyter Notebook

## LANGUAGES

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Languages Known: Hindi, English,

## HOBBIES

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Cricket, Badminton,

## AWARDS AND ACHIEVEMENTS

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- 2024 GATE 2024 Qualified.
- 2024 Selected for the IAS-INSANA-SASI Summer Research Fellowship Program.

## PROJECTS

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- JULY 2023–JANUARY 2024* Reading Project entitled "Story Of Astronomy: Unveiling the Mysteries of the Night Sky" during the 7th Semester at Center for Basic Sciences, Pt. Ravishankar Shukla University, Raipur, 492010, Chhattisgarh.
- JANUARY 2024 – JULY 2024* Working Project entitled "Studying Colors of Stars Using Sloan Digital Sky Survey" During the 8th Semester at Center for Basic Sciences, Pt. Ravishankar Shukla University, Raipur, 492010, Chhattisgarh.
- JULY 2024 – SEPTEMBER 2024* Summer Research Fellowship Program entitled "Exploration of Solar Grand Minima Using Dynamo Models" under the guidance of Dr. Bidya Binay Karak at Indian Institute of Technology (BHU) Varanasi.
- JULY 2024 – JANUARY 2025* Dissertation Project: "Modeling of Solar Grand Minima Using Kinematic Dynamo Model" Completed under the guidance of Dr. Bidya Binay Karak at the Indian Institute of Technology (BHU), Varanasi.

## SEMINARS, WORKSHOPS, AND COURSES

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- 2024 Participated in High Energy Astrophysics Workshop from 25 to 27 November 2024 at the Department of Physics, Banaras Hindu University, Varanasi, India, 221005. Where I was able to explore about field of high-energy astrophysics like AGNs(Active Galactic Nucleus) and Data analysis tools.
- 2024 Attended a seminar on "How the Ionization Equation Was Discovered" Presented by Prof. Arnab Rai Choudhury, IISC Bangalore Held on November 13, 2024, at the Seminar Room, Department of Physics, IIT (BHU), Varanasi.
- 2024 Attended a seminar on "Solar Cycle Prediction at NOAA's Space Weather Prediction Center" Presented by Prof. Mark Miesch, CIRES/University of Colorado and NOAA/SWPC Held on October 22, 2024, at the Seminar Room, Department of Physics, IIT (BHU), Varanasi. The seminar focused on solar cycle prediction methods, operational forecasting, and new products for Cycle 26.
- 2024 Participated in the Introductory Summer School in Astronomy and Astrophysics (ISAA) From May 13 to June 14, 2024, organized by IUCAA (Inter-University Centre for Astronomy and Astrophysics). Attended online lectures and hands-on sessions focused on foundational concepts in Astronomy and Astrophysics.
- 2023 Participated in the HSF-India HEP Software Workshop from 18 December to 22 December 2023 at the NISER, Bhubaneswar. where I gained insight into software tools and techniques used in HEP research and analysis.
- 2023 Participated in the online training program on "Overview of Space Science and Technology" from July 20 to August 7, 2023. Developed a comprehensive understanding of various aspects of space science, including satellite technology, space exploration, and applications in remote sensing.
- 2023 Participated in the Five Day National Workshop on LaTeX for Mathematicians and Physicists from 20 March 2023 to 24 March 2023 at the Center for Basic Sciences (CBS). Learned advanced LaTeX formatting techniques for mathematical equations, figures, and bibliographies, improving the quality of scientific publications.

- 2023 Participated in the online Lecture Series on Nonlinear Dynamics and Applications from 13 February to 16 February 2023 organized by INDIAN INSTITUTE OF TECHNOLOGY INDORE.  
Gained insights into nonlinear phenomena such as chaos, bifurcations, and dynamical systems, along with their practical applications in physics, engineering, and biology.
- 2022 Participated in the one-day seminar on Intellectual Property Rights on 30th November 2022 at Center for Basic Sciences, Pt Ravishankar Shukla University Raipur under the public outreach program and the celebration of Azadi Ka Amrit Mahotsav.
- 2022 Participated in the One Day Workshop organized for the celebration of the International Year of Basic Sciences for Sustainable Development (IYBSSD) 2022 on 2 July 2022 at the Center for Basic Sciences (CBS).

## FELLOWSHIP

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- 2020 – 2025 I am receiving a fellowship of 5000 INR per month from Pt. Ravishankar Shukla University (PRSU).

## REFERENCES

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### **Dr. Laxmi Kant**

Assistant Professor  
Center for Basic Sciences (CBS)  
Pt. Ravishankar Shukla University (PRSU),  
Raipur, Chhattisgarh, India, 492010.  
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E-mail : lkcpphysicscbs@gmail.com

### **Dr. Bidya Binay Karak**

Associate Professor  
Indian Institute of Technology (BHU),  
Department of Physics,  
Varanasi, Uttar Pradesh, India,  
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E-mail : karak.app@iitbhu.ac.in

## THANK YOU!

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