



|| Jai Sri Gurudev ||
Adichunchanagiri First Grade College
Channarayapatna
Department of Chemistry

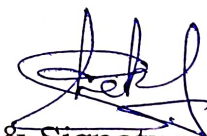
Circular


Date: 29-04-2024

It is hereby informed that the Department of Chemistry is organising a special lecture programme on 2nd May 2024 on the topic entitled "**Crystal Structure and X-Ray Diffraction**". All B.Sc students must take part in this event without fail.

Venue : Class Room No. 201
Time : 11 am to 12.00 pm


Principal
Sri Adichunchanagiri First Grade College
Channarayapatna

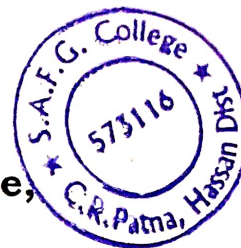

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HOD of Chemistry
SAFG College
Channarayapatna-573116
Hassan Dist

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Department of Chemistry

Date: 02.05.2024

Special Lecture Report

Title : "Crystal Structure & X-Ray Diffraction" by Dr.H.R.Ravi

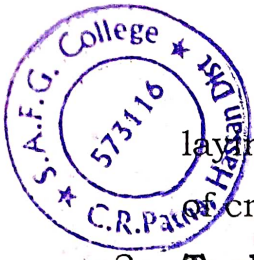
Venue : 201 Lecture Hall

Speaker : Dr.H.R.Ravi, Assistant Professor, Department of Physics (PG), Bharathi College, K.M.Doddi, Mandya District, Karnataka.

The lecture on crystallography was arranged for the final year B.Sc students started at 11.15 am which was aimed to resolve the complex concepts of crystal structure and symmetry, showcasing its profound impact across scientific disciplines. Dr.Ravi endeavored to elucidate the fundamental principles of crystallography and highlight its applications in materials science, chemistry, physics, and beyond.


Key Points Covered:

1. **Fundamentals of Crystallography:** Dr.H.R.Ravi commenced his talk by elucidating the fundamental principles of crystallography, providing the students with a comprehensive understanding of crystal structures, symmetry, and lattice systems. Through clear explanations and illustrative examples,

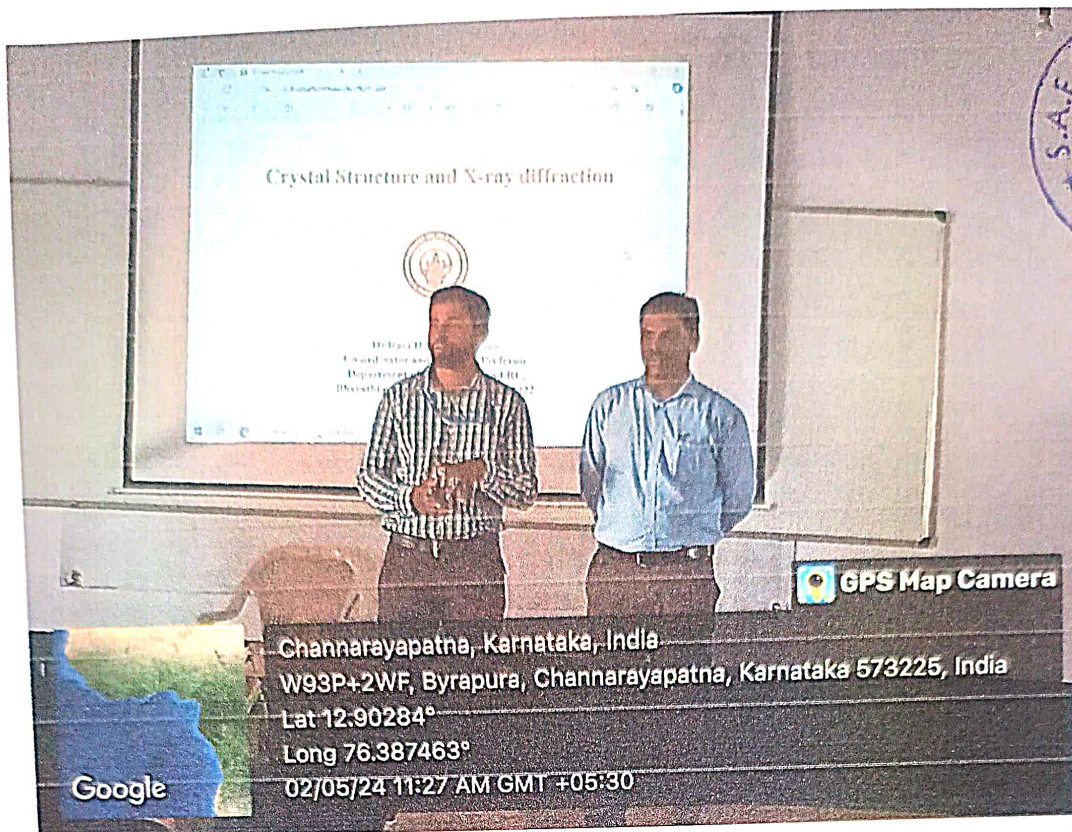


laying a solid foundation for the audience to grasp the essence of crystallography.

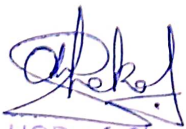
2. **Techniques and Methodologies:** The lecture focussed into various techniques and methodologies employed in crystallographic studies, ranging from X-ray diffraction to electron microscopy. Ravi highlighted the significance of each technique, elucidating their applications in atomic arrangement within crystalline materials. Moreover, he discussed recent advancements in crystallographic instrumentation, shedding light on emerging technologies shaping the field.
3. **Applications in Science and Technology:** He showcased real-world examples where crystallographic insights have revolutionized materials science, pharmaceuticals, and nanotechnology. From drug design to semiconductor manufacturing, Ravi underscored the pivotal role of crystallography in advancing various industries.
4. **Future Prospects and Challenges:** In the concluding segment, Dr. Ravi offered valuable insights into the future prospects and challenges facing the field of crystallography. He discussed the emergence of new materials and the evolving landscape of interdisciplinary research, emphasizing the importance of collaboration and innovation in addressing complex scientific inquiries. Furthermore, Ravi outlined potential avenues for future research, encouraging young scientists to explore uncharted territories within the realm of crystallography.


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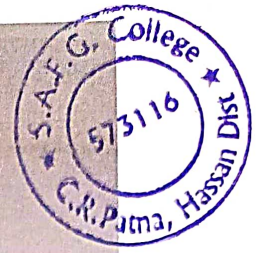

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Special Lecture Report on “Crystal Structure and X-Ray Diffraction” by Dr. Ravi on 2nd May 2024


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Special Lecture Report on "Crystal Structure and X-Ray Diffraction" by Dr. Ravi. H.R on 2nd May 2024


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Department of Chemistry

Attendance Sheet - VI semester

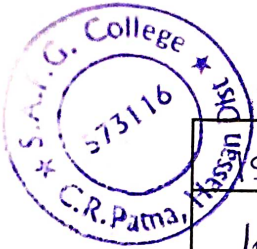
Special Lecture on "Crystal Structure & X-Ray
Diffraction" by Dr.H.R.Ravi



Date : 2nd May 2024
Place : 201 Lecture Hall
Time : 11:15 am
Class : VI semester

Sl.No.	STUDENT NAME	SIGNATURE
01	Spandana K.K	
02	Bindu.k	
03	Ranjitha.C.N	
04	spoorathi.c.k	
05	Keerthana H.S	
06	Suhar .S.L	
07	Komal G.K	
08	Monika .H.A	
09	Pooja .H.K	
10	mustan .N.R	
11	Abhilasha.cm	
12	Suchithra.k.r	
13	Sona B.N	
14	Shwetha.B.S	

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15	Aishwarya RY	Aishw RY
16	Harshitha. D.R.	Harshitha. D.R.
17	Sahana. M.N	Sahana M.N
18	Sanjay. B.M	Sanjay, B.M.
19	Suma. M.S.	Suma.
20.	Keerthi. K.N	Keerthi
21	Shreevarsha CS	Shreevarsha
22	Mohanakumari K.J	Mona
23	Saralawathi. G.N	Saralawathi
24	nischitha. B.S	nischitha.
25	NIKHIL D.P	Nikhil DP
26	HEMANTH G.M	Hemant G.M
27	Shambhavi	Shambhavi
28	Jayalakshmi A.L	Jayalakshmi
29	Tejaswini	Teju
30.	Birde. S.N	Birde
31.	Sunitha. K. M	Sunitha. K.M
32	Kouthik Kumar. K.P	Kouthik
33	Swathi - M.M	Swathi
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