# International Symposium on Extraterrestrial Life

(AI, Exoplanets, Colonisation of mars and Future of Humanity)



**DATE:** December 20th 2024

VENUE: Confrence Hall, N.S.C.B.M. GOVT. COLLEGE HAMIRPUR

#### **RESOURCE PERSONS:**

- Dr. Chandan Bhardwaj (Principal. Govt. College Majheen)
- Dr. Dinesh Pathak (HOD Physics. The University of West Indies St. Augustine Campus, Trinidad)
- Dr. Rakhee Chaudhary (Dean. School of Basic & Applied Science Career Point University, Kota)
- Dr. Monika Sanoria (Research Fellow. University of California, Merced USA)









# THE FOLLOWING COMMITTEES WERE CONSTITUTED FOR THE SMOOTHCONDUCT OF THE EVENT



#### Netaji Subhash Chander Bose Memorial Govt. College Hamirpur, Himachal Pradesh

Tel. No.: 01972-222227, FAX: 01972-222227, E-mail: gchamirpur-hp@nic.in



No. 1495

Date: 19/12/2024

The following committees are hereby constituted for the smooth functioning of International Level Symposium that is going to be held in the college on 20/12/2024. All to note it for compliance.

De	etails Of Committees
Organizing Committee	
Prof. Neelam Kumari	
Prof. Lavli Rana	
Dr. Rohit Sandal	
Certificate/ Memento Distributio	a Committee
Dr. Ashwani Puri	
Rumani	
Shivali	
Pragti	
Refreshment Committee	THE PROPERTY OF THE PARTY OF TH
Prof. Prashant Sharma	
Sh. Rajender Singh	
Sh. Vijay Kumar	
Samriti Kaushal	
Yavindra	
Aditi	
Technical Support Committee	
Prof. Suresh Kumar	
Mr. Jagdeep	
Ansbul	
Pankaj	
Registration Committee	
Dr. Virender Pratap Singh	
Kriti Mehta	
Riya Saini	
Mohit Garha	
Stage Handling Committee	一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Payal Thakur	
Priyanka Kumari	

NSCBM Govt. College Hamirpur Principal G.C. HAMIRPUR





## **SCHEDULE OF THE DAY**



#### Netaji Subhash Chander Bose Memorial Govt. College Hamirpur, Himachal Pradesh

Tel. No.: 01972-222227, FAX: 01972-222227, E-mult: gehantrpur-hp@nlc.in

#### Department of Physics

International Symposium (20-12-2024)

#### SCHEDULE OF THE EVENT

- · Registration: 9:00 AM
- · Welcome of the Chief Guest/Guests: 9:30 AM
- · Lightening of the lamp: 9:35 AM
- · Rosette Pin up to all Guest: 9:40 AM
- Plant Presentation to the chief Guest by Physics Faculty 9:45 AM
- · Brief introduction of event by Prof. Lavli Rana: 9:50 AM
- 1st Presentation: 10:00 AM (Dr. Monika Sanoria)
- 2<sup>nd</sup> Presentation: 10:40 AM (Dr. Dinesh Pathak)

#### TEA BREAK 11:20 AM - 11:30 AM

- Students' Presentation: 11:30AM 12:30 PM
- 3<sup>rd</sup> Presentation: 12:30 PM (Dr. Chandan Bhardwaj)

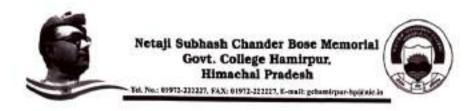
#### LUNCH BREAK 1:10PM - 1:50 PM

- 4<sup>th</sup> Presentation: 1:50 PM (Dr. Rakhi Chaudhary)
- 5<sup>th</sup> Presentation: 2:30 PM (Prof. Neelam Kumari)
- 6<sup>th</sup> Presentation: 3:00 PM (Dr. Virender Pratap Singh)
- Students' Presentation: 3:30PM 4:00 PM

#### HIGH TEA BREAK 4:00PM - 4:10 PM

- 7th Presentation: 4:10 PM (Prof. Lavli Rana)
- Open House Discussion: (4:40 PM)
- Report Presentation by HOD Physics: (5:00 PM)
- Valedictory Function: (5:15 PM)
- Vote of Thanks by Prof. Parshant Sharma . (5:25 PM)
- National Anthern (5:30 PM)

# **Registration Details**



Department of Physics International Symposium 20/12/2024 Registration Details					
S.no.	Name	Designation	College	Theme/Topic	Signature
1	Sarfana	Student	G.C. Obumstois	racino ropa.	Roy grade
2	Emili Kaushal	Student	Gramishur	Employets	and
3	Ks8lt	3 rudent		Colouszation of Moors	16-88
4	mohil marka	Student	62. C. Hamishu		01
5	Astha	Student	(n. C. Marriage		Pathon
6	Kow Dud	A45-140/-	CO. BLOT	_	of when
7	No Maryor	Gan. Vivet	G. Colongon		1
8	Mc Newleyn Kumer	Associate Pantous	of Guert-C Hemiss	Exploration fire	West 1
9	Shidter Thake the	"Aceta Knod"	Co-C Howenper		te.
10	ARUN LAI KASHYAP		Ge muchin		TH
11	ITT. Konegona Ahanda		Got I through		110000
12	2 rigand behal	Student	KI.C. Hamisur		Program Doy
13	Dr. Vinay Kum	Bent Porson		1	
14	Lawei Ranca		Cr. C. Rennie		45
15	Dr. Vincula Porth Sign	Ag 1 (2n)	CIE Mondon		Q/
16	Dr. Amery Kumar	A.P. communica	Care hamphi	The Role of Benines	alterested (
17	bs. APKWIN Kumad	AR PROPRIES		Astificial inter	(abloman
18	Shiram Shanm	Student	Cot Hamilup	un Exaplanati +	1
19	Purveen kuman	Asmot Price	en Gollongin		1
20	Fayel Theren	Statent	60 6 Hamiskur	At 1 Bit 1	
21	Eugenea Koreau	Stuket	Cont Hammeler		
22	Do. Dinerh Keme	Assist Profom	Col homes	44	
23	Sweeth Krewer	Anstel Yest	Gy G Homas pur	Use of Ar	Au
24	Dr. Rohit randal	Assist You!	G. C. Hampbout	Astrobaruses	-
25	Prashant Tharma	Aspet Post		Extremobiale	1.000
26	Punkay Kumun	Och Pol	G. F. Men-		18-
27	Schology Kume	1 April 10-4.	5. C. yerman		1





# Details of the Participants

	Attendance Sheet					
International Symposium						
S. No.	No.	Date :20/12/20	The state of the s	-		
1	Name of Student	Class	Roll No.	Sign.		
2	Sayal Trakur Ujyanka kumori		23ms( PHY022			
3	Oyanka Kumari	Msc-3RDSem	23MSCPHY039	Myankg_		
4	Rimani		23 MSA PHYD34	Norm		
5	Riya Saini		23 MECPHY025			
6	Nisha Haman	Misc 3rd Sem	53W7GHA 97P	Mila		
7	Harshot otherma		24 MSCPWOOR	Harshitsten		
8	Lakshay Thakuz		24 MSCP44005	Cakeline		
9	Umen	Mac I+Sem		(has		
	Agay kumax	MSC 1st Sen	24 MSCPHYOZZ	Munkamar		
10	Bilhani Bhushan	BSC IST YEAR	QU BSM 071	Sules		
11	Aastha Sharma	BSC MEYERY	24 BSH 05 4	र्यास्माश्तरा		
12	Shivali ThoKUK	BSC Ist Year	24BSM011	Shirali Thakin		
13	Bhumika Shorma	BSC IST Was		BhumikaShaama		
14	Rohit Kumaz	MicIntien		Dong if.		
15	Brit Rai	MSC IStdem	The second secon	Bailey		
16	Stjal U Rana	MSC 1 HALIN	24MSCPHYOOL	Mary		
17	Priyansh Dehal	MSC 2# sem		Portgruzh patel.		
18	Vishel Kumor	11	24M3PH7024	44		
19	Asheush Krishan	l/	24 MSCPHYOI2			
20	Astha	MSC possow	39 MS1841021	Andha		
21	Despika	MSC pays out	82 MXPHY027	Despite		
22	Uttkarch	MSE TIL SIM.	24HSC 144004	(W) TRAPLY		
23	Ayush cladling	Hoc Int sem.	24 11/014	time		
24	Pyrav	Ms & Ist sem	24 MICHYOLT	Partie.		
25	A 10Y	MIL to 0	24456844010	DI mys.		
26	Nandam' Shakma	BSC 201 Year	SARSMOUD	Nandani'		
27	Monika	BSC 2002 Year	SIBSMOSO	Montha		
28	Sahiba Sharma	M-Sc 38d Sen	FOOLASM ER	Saluba.		
29	Sanjama	M.Sc 3 de Sem	&3 MSPY018	Bara		
30	Simpal Baker		of MISCPINYOU	Sinker !		
31	Shippa		12 4015CPH2023	Phila		
32	Prikanka Bhell		24MSC PHYON	Textor State.		
33	Marticlant	The state of the s	a unu Phiaco	State ?		
34	would Sharma.	msc (10-30m)		27		
35	Ucha Patina		LUMIL PHYODO	Ne.		
36	Ashmita J		23BSM0.07	Admita		
37	Nandani Shakma		9385M040	Nandani		
38	Shikha		24MSCPHY023	Shippo		
39	Trati Parmar		24 MS( PHY019	Jyotr		
40	Shamiha	MSC tod Sen		shanina.		





_	•
4	0

41	Name	clay	Roll. N.	sign.
42	Muskan	Bsc 3rd year	2a PCHO 13	Mustan
_	lanutriya.	BSC38d year	&1BSM074	Enu Paka
43	MANIRA SINGH	Beczan Gear	AIPCHISO	rul_
44	makie Gas ha		13 MUPHYON	Med
45	Nitika	BSc 2nd Year	23BCM030	Nitlka
46	Kallish Rana	BSC 2nd Year	23B5M022	Dahiel Ran
47	PANKAJ KUMAR	B&C 3084	22 BSM 027	
48	ANSHUL KUMAR	BBC 3817E	22 BSm 065	Buston
49	Azzin Rona	BSc 3rd Year	22 BSM001	42.401
50	Sahil Thakur	Beste 3rd Year		John -
51	Meka Patival			Ney
52	Smelanghe Kotoch	MCC IN CEM	24 PM 40.30	
53	Tyoti Parmar	MCC Tol Som		
54	Shalu Thakur	MSC Ist sem	24MSCPHY019	Tyd Paxmo
55	Shrudi	MSC 1St Sem	24MSCAY027	Sola Theter
56		MSC Isl Som		sh
57	Shalimi Sharima	MSC 1st Som	ZUMS CP44035	Shalini_
58	Yayimdro Thakur	MSC 1st Som	gymsc phy 622	Yavindaa —
-	Aditi Thakun	MSC Ist Sem		Aduli
59	kausta Sharma.	M.Sc 1.st Som	24MSCPHYD36	Kausta
60	Namita osharm	B.Sc 2"dyen	23BSM060	phont9
61	Shayna	R.Q. 186 U.	SUPULIANE	Shoung
62	Ashra Shama	B.S. TSF YOU	SUPHYDIS	Sharps ADJERES
63	H Bu St	MSc 3nd Sim	23MSCPHYDOG	8
64	Divanshu	MG 35d Con	2 3 MSC PHYDOT	Dever
65	Shabnam.	MSC gradem	23MSCPHY098	and the
66	Samine		1007 AQ J2MES	dr-
67	Shubham	MSC 3 2d Som	23MSCPHY032	0~
68	Robbt Verma		23MS(DHY020	Re
69	Auroh		23MS(PHT 009	die
70	Shagun	Oct 11 House	23M8 PHYD47	
71	Anjall Dout	W Leaf	23MSCPHY091	Mi
72	Amit kumak	11	23 PHY005	Por
73		1)		
74	mayank		23 PHY038	(C)
75	RIER DHIMAN	- 11	23 PHYO16	(2)
	SHIKMA	117	23 PHY012	
76	DIKSHA		23 PHY004	BireRa
77	Німосни	- 11	22PHY079	Briefy
78	Vensika	11	22 PHYOSI	Horeka
79	Deepak	- 11	23 PHYOIR	Decpak
80	Payal	- 11	23/211 006	Payal
81	Sahia		23 PH 7 00.1	Sania
82	Aman	1.1	23 /211010	Aman-
83	DITESKA	1/	23PCH022	DikeBu.
84	Risku	-11	23 1747090	Piche
85	Niho	11	2376 4030	Nitin
86	Paral	11	23 PHYOOT	Power
7771	meRuk	11	23PH 4010	Mehan





S.No	Name	clay	Roel. Na	Sim.
88	Antket	The state of the s	24BCS 028	July .
89	Salkshi	luean	24PCH037	Sabhi
90	Ruchi	lutar	24PCH031	Ruh
91	Shoeya	lucar	24P(4006	8don-
92	Kushi	lucar	249(4009	Kin
98	Koulika	2nd Year	23 PCH003	DK+11-ta
94	Polka k	2nd Ypar	23 PC 400 7	Polok
95	s Ma P	2nd year	23 PCH 009	sujak.
96	Manuka K	2nd Year	23PCHO18	Pulah
97	sagun	2nd Your	23 PCH026	Edgun
98	Abrshek	2nd Year	23 PCH 074	Abskiek
99	NikaBol	2nd Year		A CONTROL OF CONTROL O
100	Kaniko	2nd Year	1	Ranka
101	Muskan	2nd Year	23808004	mushew
102	sueta	2nd year	The state of the s	(Defa)
103	Anand	2nd Year	23 RR 05 2	Grand
105	Harri Domal.	MSCHard		1 . 8.1.10
106	Mari Dogia Sachin Kumar	MSCIII SOM		no
	Akhil Shaoma	MSC Tol Sen	orthographic victoria.	Arms
108	Ayush	MSCTL Sem	TOTAL STATE OF THE	
	Robit	MSCILL Sem	23mscpHY09	
	Johit Grasha	M Sc D gem		Gazla
11 4	njeeta Chowhan		, 23msLPHY609	The contract of
7 7	juanshu Jinanshu	MSC TO Sem	The second secon	45
12.00	shay chopdo	MSC. IInds	an Antschayon	Shopda
	, () Nabnam	MSCIEND NO	23MSCHYP480	THE PINE.
	52-37-151 Z. 77-1	100 2.41.	n 23MSC/HV64	SHAGUN
	Shagun ashish	W. 3 FIRE SW	m 23MSCPHYO	Aashish .
	Sangeeta		- 33 MGCPHOR	
	njna kumuri	mso and se	- SYMSOFHYOU	du-

5 No	Name	ceam Ros, No.	Som.
119	Anlifa, Mey	Mac Stuseno aznacphycos	Unidla Lago
120	Anjali Trakur	884 38d Sem. 2388A038	Anjal Taken
121	Shreya Thaten	0-0-0-1	Shreya
122	komal Thoken	I was a second of the second o	temefo
123	Aarl Dana	88A 2nd Sem. 24B8Almo	part?
124	Nikita	1000	Yikita
125	Mikila Sharma		yiki Ladhanna
126	EAKLA Jaswal	BBA 3 rd Sem. 23 BBA013	EattaJasard
127	Ackarh Bhardwy	BA. 2nd Year 23 ENG 039	sty
[28.	Armaan Verma	BA 22d Year 25 ENG038	AV
129	Sakohi Pygernal	BA 3 nd Year 22 ENG 021	Sakeh:
130	Shruga Thakur	MA 4th Son 22 MNH 23	Sheyk
131	Nidhi Sharma	B.S.C. Myear 221CHOO3	Vidly
132	anshika		w
133	Helmtoch Cautham		Chidosh
134	Harch Kumar	-15	aech
135	Mrvuv Patial	BSC 3.2d 22700016 W	
136	Sunaina Rana.	BSC38d 200057 Quin	HOW
137	Khushby		ushbu
138	Rubina	BA 3rd \$2 HISO17 ROBER	144-
139	Payal Thakur	On Sta Calledon	77.
140	Shivan Thokeur.	BSC 3 Year 22 2000 10 Bay	7
	Lord Thates	2	
	The state of the s		

S'

# Presentation by the Resource Persons

#### • Dr. MONIKA SANORIA

Dr. Monika Sanoria is a learner and a Doctorate in Physics. Right now she is persuing her Post-Doctoral Fellowship, which is a program that provides training for career advancement and scholarly development for those who have a doctoral degree. She is doing her PDF from Scholar University of California Merced (USA).



In her presentation she highlighted the concept of `Extraterrestrial Life`. She gave us information on how aliens or extraterrestrial lifes can affect the life on Earth. She also shared with us some delicate information about many UFOs being spotted by NASA but still kept as a secret as to avoid panic among people and also because we do not have sufficient knowledge about these UFOs.

#### • DR. DINESH PATHAK

Dr. Dinesh Pathak is the HOD of physics in The University of West Indies St. Augustine Campus, Trinidad.
He is the head of Physics department
.His research interests includes
Nanostructured Compound
Semiconductors (Chalcopyrites)
,Oxide Nanocomposites /Low cost gel synthesis of TCOs



Dr. Dinesh Pathak discussed about "The Importance of Nanostructured Materials in Exploration of Extraterrestrial Life".

#### DR. RAKHEE CHAUDHARY

Dr. Rakhi Chodhary is a professor of Physics at Carrier Point University Kota, Rajasthan.

She is an accomplished academic and administrative leader with over23+years of experience in higher education. She has been privileged to serve in various academic and



administrative responsibilities and key role in inspection and accreditation. Dr. Rakhi Chodhary discuss about "The Future of Human Identity: Ethical Impact of Discovering Extraterrestrial Life".

#### • DR. CHANDAN BHARDWAJ

Dr. Chandan Bhardwaj is the Principal of Govt. College Majheen. We humans are three dimensional beings and trying to find aliens on other planets in three dimension as well. But the question is that are there only three dimensions? Dr. Chandan gave a completely new way of thinking about it. According to



string theory there are 11 dimensions and we humans are trapped in 3rd dimension. There might be a species that is living in a higher dimension and their dimensions are overlapping with ours. Neither we can see them nor they can see us. There might be an alien coexisting with us but in a different dimension. He discussed about many other theories related to humans and our universe. He talked about the Matrix Theory which says that we humans are just the NPCs of a world made by an higher dimensional beings and are just trapped but don't know about it. He also talked about Universal Zoo theory which says that human are just a primitive species and are caged as we do with other animals on earth and a much powerful and intelligent species is watching us and laughing at us. He also talked that how the whole universe resembles to the brain of a human so it can also be possible that our universe is just a brain of some omnipotent being and we are just a part of his imagination. He also discussed about the quantum chip which was recently in news WILLOW which solved a complex mathematical problem in just 5 minutes, a task that would take classical computer an estimated time of 10 septillion years. It is said that quantum computers break the walls of universe and communicate with other quantum computers in different universes and it might be a key of multiversal travel. He discussed about the technology of Teleportation. How in future we will be able to dematerialize our body and then materialize it on some other place eventually teleporting ourselves. He also discussed about Neuralink's N1 Chip. A chip that is able to understand our brain's activity and convert it in a manner to make it understandable for computers. Which will make computing easier than today. He discussed what will be the future of humanity not only on other planets but also on our planet as well.



#### • PROF. LAVLI RANA

Prof. Lavli Rana is the professor of Physics in N.S.C.B.M. Govt. College Hamirpur. The topic of his presentation is "LIFE BEYOND EARTH: Prospects for Civilization and Interstellar Travel". He discussed about life beyond earth and what are the conditions for this to happen. He talked about the habitable



zone of a star which is also known as Goldilock Zone. He gave us an idea that how the mass of a star affects the Goldilock Zone and what kind of life form can grow on the planets lying in this zone. He also discussed the fact that we always compare the extraterrestrial life form with the life form present on earth but it might be completely different from that, it might be silicon based life form because the conditions that we get on earth might not be possible on those planets. He also talked about Drake equation which estimates the number of active, Equation, an communicative extraterrestrial civilization in Milky Way Galaxy and if we put all the values in this equation then the number which came out is very large. So, the question is why we are unable to communicate with any civilization till now or why they are unable to communicate with us. Then he talked about the possible reasons for it. First one was the complexity of interstellar travel. First of all it it really hard to make a space ship that can do such things, second reason is the extremely large distances to travel with really slow speed which will take millions of years even to reach the closest exoplanet and third one was the complexity of extra dimensions.



#### DR. VIRENDER PRATAP SINGH

Dr. Virender Pratap Singh is the professor of **Physics** in College N.S.C.B.M. Govt. Hamirpur. He discussed about Material Science and how it is very important to us. He started his presentation from the very beginning, from the origin of the first metal that was ever used by human kind, that is stone. Then shared with us that how humans evolved from stone to iron in the iron age, in which we



used iron in a variety of manner from being a vessel to be used as a weapon for hunting and for many more purposes. By this information we get to know how important Material Science is . Even in the modern time Material Science is one of the most interesting field . And even now a lot of discoveries are still going on in this field.

He also highlighted the importance of Material Science whether it is in terms of classic level material or quantum level material. He discussed about the results of his personal studies on the material sciences.

Sir shared with us the experimental results from his own lab which is situated in the campus of N.S.C.B.M College.

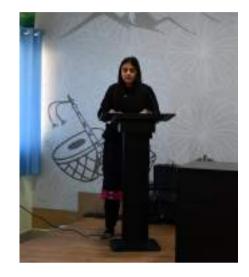




# Presentation by the Students

#### SAMRITI KAUSHAL

Samriti is a student of N.S.C.B.M. Govt. College Hamirpur. She gave her presentation "EXOPLANETS". on the topic Exoplanet is a planet outside our solar system which ,like earth, orbits one or more giant bodies. There are more than 5,600 confirmed Exoplanets. of Most the Exoplanets discovered so far are in a small region of few thousand light years. So we can't even imagine how many earth like planets will be there in



our universe. The closest Exoplanet to earth is Proxima Centuari B and even it is 4 light years away from our solar system which means reaching there with the help of today's technology is near impossible so going there to check whether life exists there or not might not be possible but we have some other methods to do this. By measuring the size and mass of these planets we can find out the composition of these planets and tell whether they are suitable for developing life form or not.



#### MOHIT GARHA

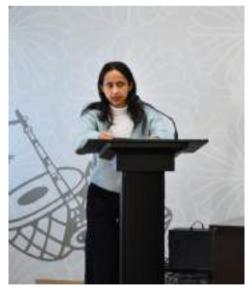
Mohit is a student of N.S.C.B.M. Govt. College Hamirpur. He gave his presentation on the topic "THE GOLDEN RECORD". It is a try of humans to tell humans that you are not alone here. Mohit discussed how the unknown life form will decode it, what is the meaning of all those weird symbols and what is the language of the tutorial of handling this disk. What are the sounds that are on the disk and all the images sent to those



creatures. Why we sent only those 115 pictures and not others. He also discussed about converting the sound into images and why we sent those particular images and what aliens will think of us by seeing all those images. Will they find us friendly or will they think that we are danger to them?

#### KRITI

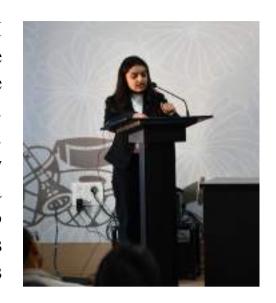
Kriti is a student of N.S.C.B.M. Govt. College Hamirpur. She gave her presentation on the topic "COLONIZATION OF MARS". As we know that population of earth is increasing rapidly we need a new home. Mars is the best suitable planet to colonize humans. But there are many challenges in doing so. Kriti discussed about it in complete detail. How are we going to change the completely different atmosphere of Mars into Earth's? How are we going to



overcome the barrier of this large distance ?What are the potential locations where extraterrestrial life can flourish? There are multiple locations found on mars like underground regions and hydrothermal vents and there is a possibility that microbial life can be found there. And if it is possible on Mars then it can be possible on Exoplanets as well.

#### SANJANA

Sanjana is student of**SWAMI** a VIVEKANAND College Govt. Degree Ghumarwin. She gave her presentation on the topic "EXTRATERRESTRIAL LIFE". Sanjana gave a brief explanation about it. What is Extraterrestrial Life and scientists believe it might exist? Sanjana talked about different Exoplanets. She also explained what is extremophile and how it is possible that they can exist on other planets rather than earth. She also talked about



Colonization of Mars. What is it, how it can be achieved, what are the different missions done by us to do so and why do we need it? She also gave a vast list of different books and series to us to understand more about life beyond earth. She also talked about NASA's Voyager missions and how they became farthest going man-made objects and gave a hint of The Golden Record. At last she left us with a question whether extraterrestrial life is an opportunity or a threat? Should we afraid of it or grab the opportunity. What are the biological challenges and what good will happen if we overcome these challenges.

#### SHIVAM SHARMA

Shivam Sharma is an alumnus of N.S.C.B.M. College Hamirpur. He Govt. his gave presentation the topic on "EXTRATERRESTRIAL LIFE". He started his topic with a question, are humans extraterrestrial or not? We might be thinking what kind of question is this but it all depends on frames of reference. For an alien we humans are



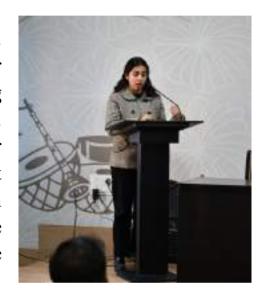
extraterrestrial being, and for us they are extraterrestrial. Then he went to the topic Exoplanets with an interesting story of Vishnupuran which tells us about the concept of multiverse. He talked about WASP 12 B planet which is orbiting a red dwarf and this red dwarf is sucking all its energy and kind of similar thing will happen with our planet earth too. He talked



about many other planets like Trapist-1 system which is a red dwarf again but interesting fact about it that in its solar system there is a series of planets which are revolving around it and not only one but many of these lies in the Goldilock Zone. He not only gave us the information about the topic but he tried to give us something extra, some wisdom which will be useful for us in our upcoming future.

#### ASTHA MODGIL

Astha is an alumna of N.S.C.B.M. Govt. College Hamirpur. She presented her poster on the topic "BEYOND EARTH: Exploring AI, Exoplanets, Humanity's Future in Space". Imagine AI as a brain behind all our upcoming space missions. It can detect Exoplanets much faster than a normal human do. She also discussed about habitable exoplanets and how Mars can be one of those leading to the idea of Colonization of mars.



In a nutshell we can say Human's curiosity drives us to explore extraterrestrial realms. From AI enabled space exploration to the discovery of Exoplanets and the dream of colonizing Mars, her poster showcases how we are shaping our future beyond earth.

## PHOTOGRAPHS OF THE EVENT

Model and posters made by students





• Chief Guest Dr. Chandan Bhardwaj







# • <u>Lightning of the Lamp</u>









## • Students pinning badges to our chief guest and guests















### • Presenting Bouquet to the Chief Guest



### • All the presented members and students







## Anchors of the Event





## • Certificate Distribution







## **Presenting momento to Chief Guest**







## • A Final Group Photo





