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## **SREE NARAYANA COLLEGE**

**Sivagiri, Varkala, Thiruvananthapuram-695145**

(Affiliated to the University of Kerala, NAAC Re-accredited with  
B++ grade, RUSA funded, DBT STAR status)

### **AQAR 2023-2024**

#### **CRITERION III: RESEARCH, INNOVATIONS AND EXTENSION**

**3.2.2 – Workshops/Seminars conducted on Research Methodology,  
Intellectual Property Rights (IPR) and entrepreneurship**



## **SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA**

### **IIC PROGRAMME REPORT**

Institution's Innovation Council in association with ED Club and IQAC of Sree Narayana College, Sivagiri, Varkala organized a programme on "Talk on Process of Innovation Development". This programme was held on 22<sup>nd</sup> February 2024, Thursday at 1.45 pm, at Room number 49, Department of History. The resource person for the talk was Dr. Sanma G R, Assistant Professor and Innovation Ambassador, Department of Mathematics, Sree Narayana College, Varkala. The students were actively participated in it. The organizing committee of the programme consists of IIC President **Dr. Vinod C. Sugathan** (Principal), IIC Convener **Dr. Smitha P. D.**, and Programme Co-coordinator **Dr. Simi S.** The other members of IIC consists of Dr. Sini V., Dr. Sreela S. R., Dr. Jubilie S. V., Dr. Binushma Raju, Dr. Sreerenjini, Mrs. Lekshmi S. Dharan, Mrs. Induja P., Dr. Archana S. R., and Mr. Jyothish B. from different department of our college. The technical helps for the smooth functioning of the programme given by Ms. Aruna S Ajayan, Social Media Coordinator. The student coordinators were Devikakrishnan and Vishnu Raj. The programme was beneficial for the students and through this they got an awareness about the creation of different innovative ideas.



A handwritten signature in green ink, appearing to be "Dr. Vinod C. Sugathan".

**Principal**  
Sree Narayana College  
Sivagiri, Varkala

## Programme Brochure:



**SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA**  
**INSTITUTION'S INNOVATION COUNCIL**  
*In Association With*  
**ED CLUB AND IQAC**

Organizes a  
**"TALK ON PROCESS OF INNOVATION DEVELOPMENT"**

**RESOURCE PERSON:**

**DATE:** 22 FEBRUARY 2024  
**TIME:** 1.45 PM  
**VENUE:** ROOM No. 49  
**DEPT. OF HISTORY**

Organizing Team:  
**IIC President:** Dr. Vinod C. Sugathan (Principal)  
**IIC Convener:** Dr. Smitha P. D.  
**Program Coordinator:** Dr. Simi. S.



**Dr. Sanma G R**  
Assistant Professor &  
Innovation Ambassador  
Department of Mathematics  
Sree Narayana College, Varkala

Members:  
Dr. Sini. V., Dr. Sreela S. R.,  
Mrs. Jubilee S V  
Dr. Binushma Raju, Dr.  
Sreerenjini, Mrs. Lekshmi S.  
Dharan, Mrs. Induja P., Dr.  
Sanma G. R., Jyothish B., Dr.  
Archana S R.

Social Media Coordinator:  
Ms. Aruna S Ajayan

Student Coordinators:  
Devikakrishnan & Vishnu Raj

## Photos:





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Sivagiri, Varkala



Attendance list:



*Sree Narayana*

**Principal**  
 Sree Narayana Varkala  
 Sivaratri, Varkala




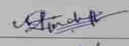



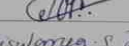
**SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA**

**Institution's Innovation Council**

Name of the Programme: 'Talk on Process of -  
- Innovation Development -'

Date: 22/02/2024

**Attendance Sheet**

SR. NO.	NAME	STUDENT/ FACULTY/ EXPERT	SIGNATURE
1	Dr. Vinod C. Sugadhan	Principal	
2	Dr. Sarma GR	Expert	
3	Dr. Simi S	Faculty	
4	Biji K.K	Faculty	
5	Dr. Smitha P.D	Faculty	
6	Arora K.R	Student BA History	
7	Aparna Jeemon	Student BA History	
8	Agona P.A.	Student BA History	
9	Shibina L	"	
10	Sreekutty A.S	"	
11	Azathy A	"	
12	Fathima aloora A	"	
13	Nandana P	"	
14	Aiswarya S. Jagan	"	





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## An Innovation on R Programming



MoE's  
**INNOVATION CELL**  
(GOVERNMENT OF INDIA)



**IIC**  
INSTITUTION'S INNOVATION COUNCIL



UNIVERSITY OF KERALA  
GOVERNMENT OF INDIA



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
Ministry of Education, Government of India



**SREE NARAYANA COLLEGE VARKALA**  
Affiliated to University of Kerala  
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**INSTITUTION'S INNOVATION COUNCIL  
IN ASSOCIATION WITH ED CLUB & IQAC**

**AN INNOVATION ON R PROGRAMMING**



Resource Person:  
Dr. Laji M,  
Assistant Professor  
Department Of Statistics  
Govt.Arts College, Trivandrum



**12TH FEBRUARY 2024**  
**TIME: 10 AM**

**VENUE: SEMINAR HALL**

**Organising Team**

IIC President: Dr.Vinod.C.Sugathan(Principal)  
Convener: Dr Smitha P.D  
IQAC Coordinator: Dr Preetha Krishna L  
Program Coordinator: Dr Sanma G R  
IIC Members: Dr. Archana S R, Dr. Sreela S, Induja P,  
Dr. Jubilee S V, Dr. Binushma Raju, Ms Lekshmi J, Dr Sini V,  
Ms. Lekshmi S, Dharan, Dr Simi S, Jyothish B, Dr Sreerenjini  
Social Media Coordinator: Aruna S. Ajayan  
Student Coordinators: Jasna S

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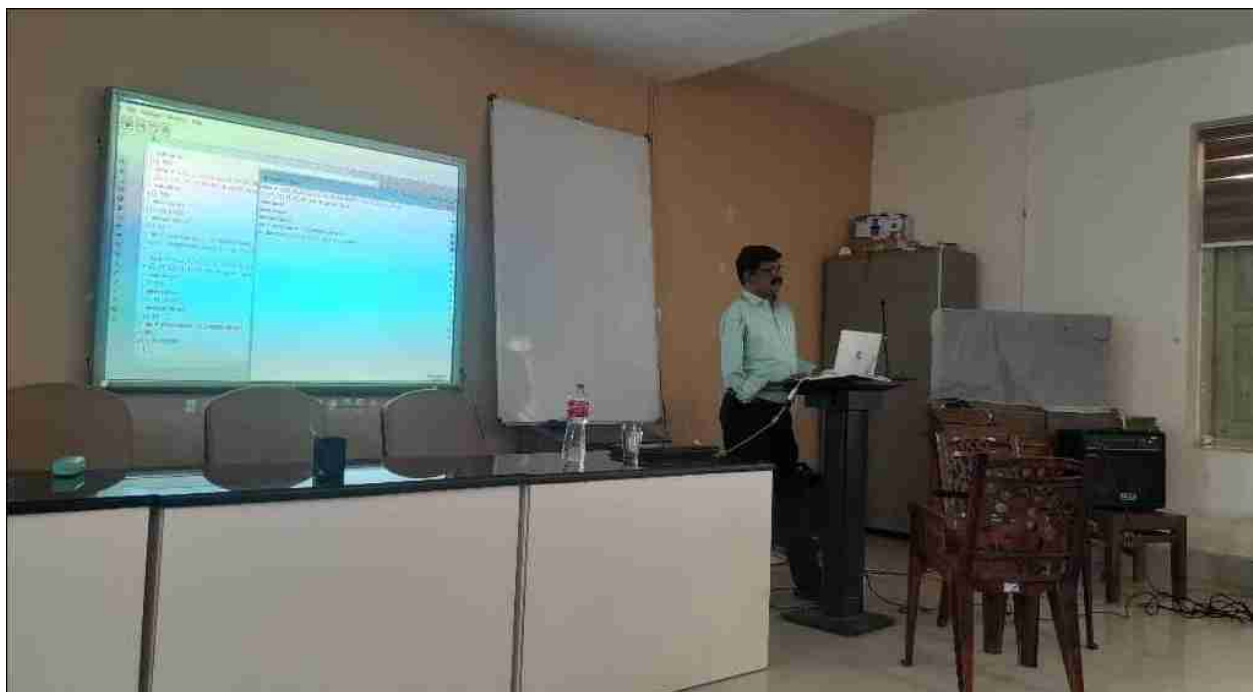
On behalf of the Institute Innovation Council, Department of Mathematics and Mathematics club, Sree Narayana College, Sivagiri, Varkala, organised a seminar on “R Programming” on 12/2/2024 at 10.00 AM in Seminar hall. The program was conducted



*[Signature]*

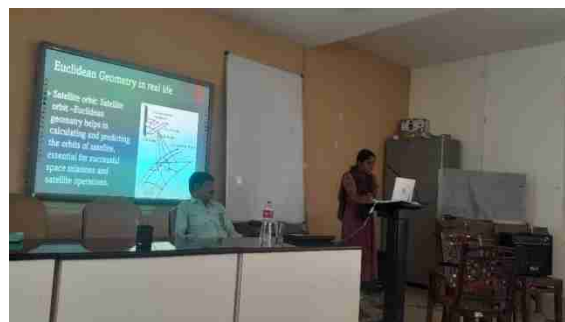
**Principal**  
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for the BSc Mathematics students to get a new insight and ideas about problem solving. The seminar program was started at 10.00AM with the welcome address by Dr Sanma G R, Co-ordinator of the seminar, Assistant Professor, Department of Mathematics, Sree Narayana College, Sivagiri, Varkala. Dr.Vinod C Sugathan, Principal, SreeNarayana College, Sivagiri, Varkala delivered the inaugural address.Dr Preetha Krishna L,Assistant Professor,Dept.Of English, Dr.Shynu.R, Trendz Convener, Assistant Professor, Dept. Of Geology, Mr. SreeMurukan A, Assistant Professor, Dept. Of Mathematics, gave the felicitations. Asst.Prof. Dr Laji.M Assistant Professor, Dept. Of Statistics, Govt.Arts College, Trivandrum delivered a great treasure of knowledge about different areas in R Programming. It was very helpful to the students to create an interest in the field of statistical Programming. Students raised many doubts in the feedback session which was very interesting. After the talk three students presented small topics in mathematics. Resmi R S from second year, Ashtami A, Abshana Shajahan from first year were presented the topics. The programme came to an end with the vote of thanks by Mrs Neelima N L , Asst. Professor, Dept. Mathematics, More than 60 people, including students and teachers of the department of Mathematics actively participated in it.



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R programming on 13/2/2024

63

Date	Name	Designation	Signature
1. 12/2/24	Dr. Laj M	Assistant Professor	[Signature]
2.	Neelema M. L	"	[Signature]
3.	Sree Manjula A	"	[Signature]
4.	Dr. Suresh G.R	"	[Signature]
5.	Smrithi J.	B. Tech	[Signature]
6.	Ajith A	"	[Signature]
7.	Resmi R.S	"	[Signature]
8.	NIRMAL RAO	"	[Signature]
9.	Rakhi R	"	[Signature]
10.	Aarthika P. Kumar	"	[Signature]
11.	Prathy M.T	"	[Signature]
12.	Athira M	"	[Signature]
13.	Nandana S	"	[Signature]
14.	Devika Prasad	"	[Signature]
15.	Ashwiniya	"	[Signature]
16.	Ajina S. John	"	[Signature]
17.	Pooja	"	[Signature]
18.	Pavithra	"	[Signature]
19.	Manasi M.S	"	[Signature]
20.	Navaneeth	"	[Signature]
21.	Nandana Jayan	"	[Signature]
22.	Geetha	"	[Signature]
23.	Ashika S. K.	"	[Signature]
24.	Devika M	B. Tech	[Signature]
25.	Geetha P.B	"	[Signature]
26.	Ashika A	"	[Signature]
27.	Ashikani A	"	[Signature]
28.	Leelika M	"	[Signature]
29.	Ashika	"	[Signature]
30.	Ajina G	"	[Signature]
31.	A. Aparna AB	"	[Signature]
32.	Vajra B.R	"	[Signature]



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S.No.	Name	Designation	Grade
33	Abhijith B.		3rd
34	Abhigayath		3rd
35	Aparna B		3rd
36	Dhanush		3rd
37	Abhijith Uthai	III <sup>rd</sup> Year Pass Marks	3rd
38	Ananya M Lal	"	3rd
39	Prathibha S.	"	3rd
40	Bijoy Biju	"	3rd
41	Bijoy Biju	"	3rd
42	Jathika	"	3rd
43	Maanas	"	3rd
44	Nandana U.H.	"	3rd
45	Nandha	"	3rd
46	Saranya S.J.	"	3rd
47	Surekha M.S.	"	3rd
48	Vaishna V.	"	3rd
49	Aadhya	"	3rd
50	Abhinav SS	"	3rd
51	Abhirami A.J.	"	3rd
52	Amal SS	"	3rd
53	Ananya B	"	3rd
54	Ahul BS	"	3rd
55	Devika M.	"	3rd
56	Haritha T.	"	3rd
57	Karthika R. Suresh	"	3rd
58	Nayana J.	"	3rd
59	Nayana	"	3rd
60	Vidhya VR	"	3rd
61	Athira GS	"	3rd



## **SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA**

### **REPORT-NATIONAL STARTUP DAY 2024**

Institution's Innovation Council (IIC's) of Sree Narayana College, Sivagiri, Varkala celebrated the 'National Startup Day' on 23<sup>rd</sup> February 2024. National Startup Day was celebrated with an aim to ignite the spirit of entrepreneurship among our students. National Startup Day is a day dedicated to fostering, celebrating and recognizing the contributions of start-up companies and entrepreneurs to the economy and society. As part of Azadi ka Amrit Mahotsav, Prime Minister Narendra Modi has declared January 16 to be celebrated as 'National Start-up Day'. Start-ups are going to be the backbone of new India. Celebrating National StartupDay is also an opportunity to raise awareness about the challenges that startups face, such as access to funding, talent and market opportunities. Dr Binushma Raju, Coordinator of the programme welcomes the audience. The session was handled by the young entrepreneur of Department of Zoology, Ms. Akhila L S. She spoke about her journey which includes struggle, inspiration and challenges. She added about how she followed her passion to start a lotus cultivation which she got inspired from her aunty. She described the methods for cultivating lotus and earns pocket money in their spare time. The session ended with an important note of achieving balance between academics and passion and importance of startups in coming years. The session was a successful one with the participation of 65 students.



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SREE NARAYANA COLLEGE,  
SIVAGIRI VARKALA

NATIONAL STARTUP DAY 2024

Commenced  
At 10.15 AM by Student

23 Feb. 2024

Venue: Zoology Lab

Sl No.	Name	Class/Designation	Signature
1	Dr. Laji J	Asst. Prof. in Zoology	<u>Laji</u>
2	Dr. Binukuma Raju	Asst. Prof. in Zoology	<u>BK</u>
3	Midhun Raj B	Bsc Botany	<u>Midhun Raj</u>
4	Analytha SA	Bsc Botany	<u>Analytha</u>
5	Mayukha S	Bsc Botany	<u>Mayukha</u>
6	Nayana D S	Bsc Botany	<u>Nayana</u>
7	Arya S Venu	Bsc Botany	<u>Arya</u>
8	Gouri G Nair	Bsc Botany	<u>Gouri</u>
9	Bhagyalakshmy S	Bsc Zoology	<u>Bhagyalakshmy</u>
10	Preetha B R	Bsc Zoology	<u>Preetha</u>
11	Rakhi R	Bsc Botany	<u>Rakhi</u>
12	Sneekha B	Bsc Botany	<u>Sneekha</u>
13	Sneekeshmi S	Bsc Botany	<u>Sneekeshmi</u>
14	Anakha A T	"	<u>Anakha</u>
15	Adithi M	Bsc Botany	<u>Adithi</u>
16	Silpa K	Bsc Botany	<u>Silpa</u>
17	Devapriya V	Bsc Botany	<u>Devapriya</u>
18	Jasani J	Bsc Zoology	<u>Jasani</u>
19	Kangha Biju	Bsc Zoology	<u>Kangha</u>
20	Athira G	Bsc Zoology	<u>Athira</u>




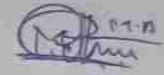
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Sl. No	Name	class/Designation	Signature
21	Manjima-G.R	B.Sc Zoology	<u>manjima</u>
22	Gopika-M.G	BSc Zoology	<u>Gopika</u>
23	Sreelakshmi-m.s	BSc Zoology	<u>Sreelakshmi</u>
24	Alakanadha	BSc Zoology	<u>Alaka</u>
25	Aisha-G.S	BSc Zoology	<u>Aisha</u>
26	Afiya Nihar	BSc Zoology	<u>Afiya</u>
27	Nandana-B	BSc. Zoology	<u>Nandana</u>
28	Sri Nidhi	"	<u>Srinidhi</u>
29	Ananya	"	<u>Ananya</u>
30	Charithra.BS	"	<u>Charithra</u>
31	Indulekha.D	"	<u>Indulekha</u>
33.	ejay Gonesh.U.S	BSc Zoology	<u>ejay</u>
34.	Abhay.M.R	BSc Zoology	<u>Abhay</u>
35.	Siva Sudhi	BSc zoology	<u>Sivasudhi</u>
36.	Arathy M.T	BSc Zoology	<u>Arathy</u>
37.	Aswinal	BSc Zoology	<u>Aswinal</u>
38	Uma Vimal	BSc. Zoology	<u>Uma</u>
39.	Anagha.R.Raj	BSc. Zoology	<u>Anagha</u>

Sl.No	Name	Class / Designation	Signature
40	Rakhi R	BSC Botany	Rakhi R
41	SREEKALA B	Bsc Botany	Sreekala B
42	Anakha A.T	"	Anakha
43	Sreelekshmi S	"	Sreelekshmi
44	Soubhagya S	3 <sup>rd</sup> B.Sc Zoology	Soubhagya S
45	Dersanahal	"	Dersanahal
46	Neethu	"	Neethu
47	Manasa	"	Manasa
48	Arathi S.S	"	Arathi S.S
49	Lakshmana N.R	"	Lakshmana N.R
50	Navya S	"	Navya S
51	Rishana S.S	"	Rishana S.S
52	Sreedevi R	"	Sreedevi R
53	Meenakshi S.R	"	Meenakshi S.R
54	Akhila	"	Akhila
55	Aswathy A.S	"	Aswathy A.S
56	Gowri das S	"	Gowri das S
57	Sandha R.S	"	Sandha R.S
58	Aelithya D	"	Aelithya D
59	Preya S.R	"	Preya S.R
60	Pratheeksha P	"	Pratheeksha P
61	Smita A	"	Smita A
62	Padma S. Kumari	"	Padma S. Kumari
63	Minha A.S	"	Minha A.S
	Akshita	"	Akshita



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Sl.No	Name	Class/ Designation	Signature
64	Sandeep.S.Sunil	BSC 2001084	
85	Mreihun.M.A	BSC zoology	



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## MEET THE ENTREPRENEUR

ED CLUB in association with Institution's Innovation Council and IQAC is organising a session on "Meet the Entrepreneur" as part of Celebrating World Entrepreneurs Day. The chief guests of the programme were Mr. Saji Bhuvanachandran and Mrs. Dhanyasree Mohan, from Kerala Aquarium, Varkala. The resource persons were the awardees of state government as they were elected as the top 10<sup>th</sup> successful entrepreneurs in the state. The programme conducted on 22<sup>nd</sup> August 2023, at 1.30 P M, at Conference hall. The programme started with a prayer song by Ms. Ramya, third year BCom student. The welcome speech was done by Dr. Jubilie S V, IIC programme coordinator. The presidential address was done by IIC Convenor Dr. Smitha P D. The motivational session was taken by Mr. Saji Bhuvanachandran and his wife Mrs. Dhanyasree Mohan, from Kerala Aquarium, Varkala. It's a very interactive session, students actively participated in it. The official vote of thanks was delivered by Ms. Anagha, Second year BCom student. The programme started at 1,30 P M and ended at 3.30 P M. The total number of participants was 84.

The programme brochure, photos and attendance are attached below.

The brochure is for a session titled "MEET THE ENTREPRENEUR" organized by the Institution's Innovation Council (IIC) and IQAC at Sree Narayana College Varkala. The session is held on 22nd August 2023 at 1:30 PM in the Conference Hall. The resource persons are Sri. Saji Bhuvanachandran & Smt. Dhanyasree, Young Entrepreneurs from Kerala Aquarium, Varkala. The brochure lists the organizing team, including the IIC President, Convenor, IQAC Coordinator, Program Coordinator, IIC Members, Social Media Coordinator, and Student Coordinators. It also includes social media links for Facebook, Instagram, and YouTube.

**MEET THE ENTREPRENEUR**

**RESOURCE PERSON**  
**Sri. Saji Bhuvanachandran & Smt. Dhanyasree**  
Young Entrepreneurs  
Kerala Aquarium, Varkala

**22ND AUGUST 2023**  
**TIME: 1.30 PM**

**VENUE: CONFERENCE HALL**

**Organising Team**

IIC President: Dr Vinod. C. Sugathan (Principal)  
Convenor: Dr Smitha. P.D  
IQAC Coordinator: Dr Preetha Krishna L  
Program Coordinator: Dr. Jubilie S. V.  
IIC Members: Dr. Archana S.R. Dr. Sanma C.R. Ms. Lekshmi S Dharan.  
Ms. Induja P. Dr. Dr. Bhushma Raju, Ms. Lekshmi J. Dr. Sini V. Dr. Sreela.  
Mr. Jyothish B. Dr. Simi S. Ms. Sreeranjini S C  
Social Media Coordinator: Aruna S. Ajayan  
Student Coordinators: Anamika, Anagha

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Sivagiri, Varkala



## International Webinars organized by IQAC and Research Cluster in April 2024

As part of Diamond Jubilee celebration of the college and to commemorate our Founder Manager Sri R Sankar, the college IQAC and Research Cluster has organized Five International Webinars in April 2024. “Applications of Light in Medicine”, “The Commercialization of Space: Opportunities and Challenges”, “Prospectives of Interdisciplinary Research in Chemistry”, “Recent Trends and Perspectives on Advanced Research in Geosciences”, “International Financial Management” were the titles of the international webinars organized by the five Post Graduate Departments of our college. The resource persons were Sri Syam Mohan (Scientist), Laser and Optical Radiation, London; Ms. Kavya Murali Parthasarathy, Researcher, University of Stirling, Scotland; Dr Sujith S.S. R & D Principal Engineer, Zhubei City, Taiwan; Dr Phil Frederick, Scientist, US Geological Survey, Texas Tech University, USA and Dr Nadia Sha Assistant Professor, Department of Finance and Economics, Dofar University, Salalah, Oman. Students and faculty members from our college and other college has participated.

**SREE NARAYANA COLLEGE**  
Sivagiri, Varkala  
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**Internal Quality Assurance Cell (IQAC)**  
and Research Cluster jointly  
organizes

**International Webinar Series EXTENDZ 2024**  
(as part of our Diamond Jubilee Celebrations and to  
Commemorate our Founder Manager Sri R Sankar)

**Day 1**  
**Date 01/04/2024** **Time: 7:30 pm (IST)**  
**Applications of Light in Medicine**  
**Dr. Syam Mohan** (Scientist)  
Laser and Optical Radiation  
Dosimetry Group  
UK Health Security Agency  
10 South Colonnade  
Canary Wharf, London  


**Day 2**  
**Date 11/04/2024** **Time: 3:00 pm (IST)**  
**The Commercialisation of Space: Opportunities and Challenges**  
**Ms. Kavya Murali Parthasarathy**  
Researcher in Preference based  
Reinforcement Learning  
Behavioral Science Centre  
University of Stirling, Scotland  


**Day 3**  
**Date 13/04/2024** **Time: 10:00 am (IST)**  
**Perspectives of Interdisciplinary Research in Chemistry**  
**Dr. Sujith S. S.**  
R & D Principal Engineer  
Bruckewell Technology Co. Ltd.  
Zhubei City, Taiwan  


**Day 4**  
**Date 16/04/2024** **Time: 8:00 pm (IST)**  
**Recent Trends and Perspectives on Advanced Research in Geosciences**  
**Dr. Phil Frederick**  
Scientist  
Geologic Map Editor at  
U.S. Geological Survey (USGS)  
Texas Tech University  
Fort Collins, Colorado, USA  


**Day 5**  
**Date 20/04/2024** **Time: 11:00 am (IST)**  
**International Financial Management**  
**Dr. Nadia Sha**  
Assistant Professor  
Department of Finance and Economics  
College of Commerce and Business  
Administration  
Dhofar University, Salalah, Oman  


**Dr. Preetha Krishna L.**  
IQAC Coordinator

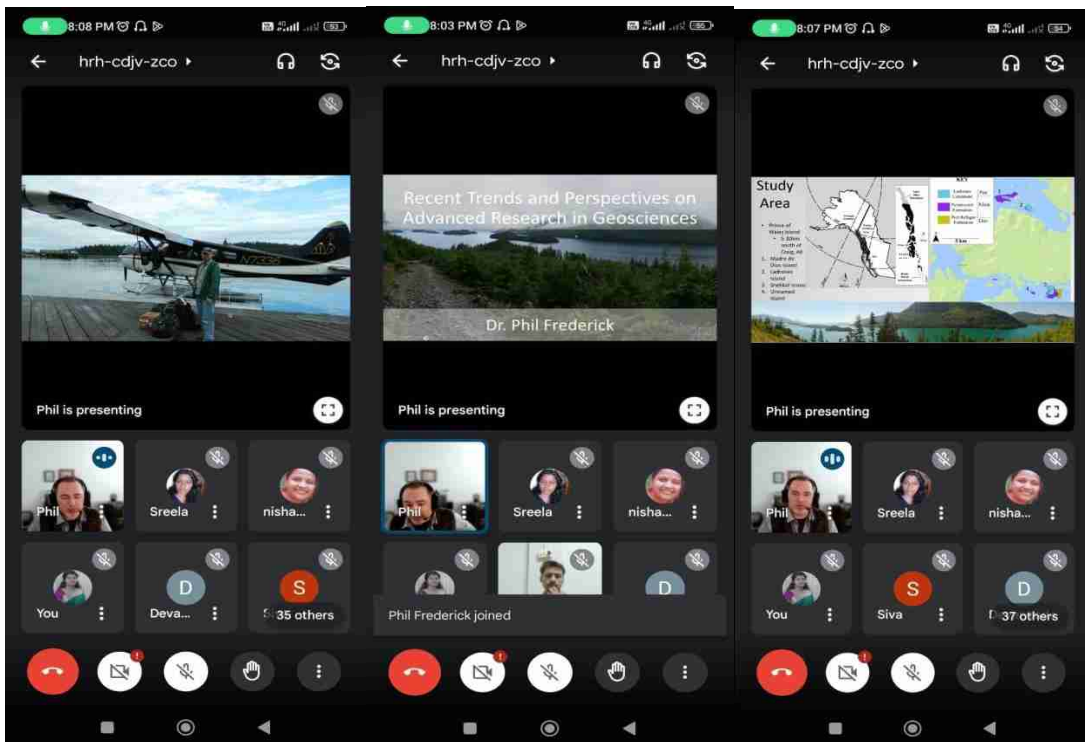
**Dr. Vinod C Sugathan**  
PRINCIPAL

**Dr. Sreeranjini S.C.**  
Research Cluster Coordinator



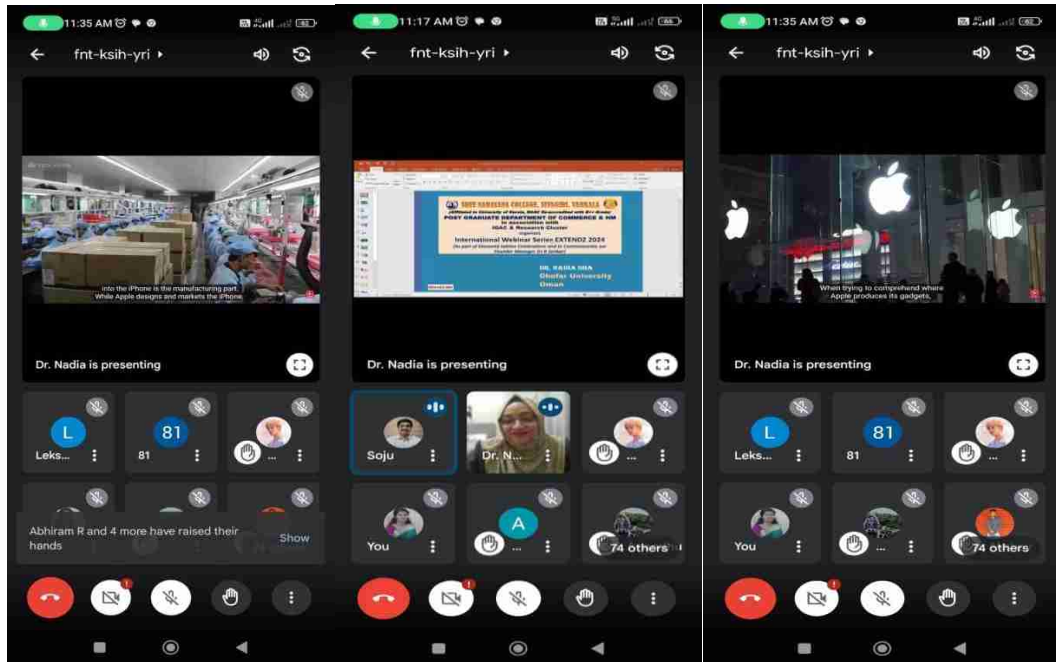
Principal  
Sree Narayana College  
Sivagiri, Varkala






*Sree Narayana*

Principal  
Sree Narayana College  
Sivagiri, Varkala




*[Handwritten signature]*

Principal  
Sree Narayana College  
Sivagiri, Varkala



**AVAKAZHA  
GEOSCIENCE  
RESEARCH  
TECHNOLOGIES**




**SREE NARAYANA COLLEGE VARKALA**  
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**Department of Geology**


**Skill Training workshop**

# GIS Mapping & Cartography

**SOFTWARE TRAINED**



**ARCGIS 10.8**



**QGIS**

**18/09/2023 to  
21/09/2023**

**WHAT YOU WILL LEARN**

- ✓ Introduction to GIS
- ✓ Map Creation & Editing
- ✓ Cartography
- ✓ Digitization & GeoReferencing
- ✓ AutoCAD data migration to ArcMAP
- ✓ Vector Geoprocessing

**4 days**

**Program Key Points**

- Conducted at SN College, Varkala
- Hands-On Training
- Experienced Trainers
- Internships & Placement Assistance
- Project Assistance

**More Information**

+91 89210 38671

Avakazha technologies and department of Geology, Sree Narayana College, Sivagiri, Varkala organized a Workshop on skill training on GIS mapping and Cartography”. This programme was held on 18/09/2023-21/09/2023, in the S.N.College,Varkala. The program is aimed to provide hands on training and skill training. Internship and placement assistance also there. The programme started with the welcome speech delivered by Dr Sreela.S.R. Then, the chief guest of the programme made an informative session on GIS. There were more than 40 participants.




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Sivagiri, VZ-2315



Principal  
 Sri Narayana College  
 Sivagiri, VZ-2315



## **REPORT OF TRENDZ SEMINAR SERIES 2023-2024**

Every year our college conducts TRENDZ seminar series to commemorating our beloved founder manager Sri. R. Sankar. Formal inauguration of TRENDZ seminar series 2023-2024 is on 05/02/2024 at 10:00 AM. Inauguration function started with welcome address of Dr. Shynu. R (Convenor, TRENDZ 2023-2024). Presidential address given by Dr. Vinod C Sugathan (Principal). Followed by inauguration and inaugural address given by Prof. (Dr.) K. C. Baiju (Hon. Vice Chancellor, Central University of Kerala, Kasargode). Following dignitaries extended the felicitations Sri. Aji SRM (SN Trust Executive member), Dr. Preetha Krishna L (IQAC Coordinator), Dr. SojuS (Senate Member, University of Kerala). Sri. G. Sivakumar (PTA Vice President). The vote of thanks given by Dr. Nithya P Viswam (PTA Secretary). Faculties of varies department and students were attended the program. Inauguration program was ended on 12:30 PM.

The focal theme of TRENDZ seminar series 2023-2024 is Sharing Sustainable Knowledge. During TRENDZ seminar series 2023-2024 every department conducts the individual seminars on adhere to the focal theme. A total of 10 expert from the varies field given talk and interact with students. A total of 21 students were given their presentation on this week long seminar series.



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Sivagiri, Varkala





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 Sivagiri, Varkala



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Sree Narayana College  
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## Report of TRENDZ seminar conducted on 06/02/2024

As part of the TRENDZ-2023-2024 technical session of department chemistry started at 10:00 AM Program started with welcome address of Dr. Archana S R (Assistant Professor). Programme Inagurated by Dr. Vinod C. Sugathan (Principal). Followed by the invited talk of Dr.Renjith S (Scientist B, Sree Chithra Tirunal Institute of Medical Science) on Scattering Rays the Raman Ways of Chemical imaging. The inspiring and informative talk deals the general information about meteorites

**Sree Narayana College**  
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Affiliated to University of Kerala  
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DBT Star Scheme Supported, Rosa Funded

**TRENDZ SEMINAR SERIES 2023-24**  
Focal Theme : Sharing Sustainable Knowledge  
Commemorating Our Beloved Founder  
Manager Sri.R.Sankar  
Seminar on  
"Scattered Rays: the Raman Way of  
Chemical Imaging"  
Date : 06.02.2024 Time : 10.00 AM  
Venue: Seminar Hall

  
Resource Person  
**Dr. Renjith S.**  
Scientist 'B'  
Sree Chitra Tirunal Institute for  
Medical Sciences and Technology, Trivandrum

Organized by PG Department of Chemistry  
In Association with IQAC

**Programme Schedule**  
Prayer  
Welcome Address : **Dr. Archana S.R.**  
(HOD and Asst.Professor of Chemistry)  
Inaugural Address : **Dr.Vinod C Sugathan** (Principal)  
Felicitation : **Sri.Aji SRM** (SN Trust Executive Member)  
**Dr.Shynu** (Convener of TRENDZ Seminar Series,  
Asst.Professor of Geology)  
**Dr.Preetha Krishna L.** (IQAC Co-ordinator)  
**Sri.G.Sivakumar** (PTA Vice President)  
Introduction : **Smt.Shibitha Thampi R.S.**  
(Co-ordinator and Asst.Professor of Chemistry)  
Keynote Address : **Dr. Renjith S.** (Scientist 'B', Sree Chitra Tirunal  
Institute for Medical Sciences  
and Technology, Trivandrum)  
"Scattered Rays: the Raman Way of Chemical Imaging"  
Vote of Thanks : **Miss. Abhirami S** (II M.Sc, Analytical Chemistry)  
**Paper Presentation by Students**  
**Organizing Committee**  
Patron : **Sri.Vellapally Natesan**  
(Manager, SN Colleges)  
Chairperson : **Dr.Vinod C Sugathan**  
(Principal)  
Management Representative : **Sri.Aji SRM**  
IQAC Coordinator : **Dr.Preetha Krishna L.**  
Head of the Department : **Dr.Archana S.R.**  
Trendz Convener : **Dr.Shynu R.**  
Co-ordinator : **Smt.Shibitha Thampi R.S.**  
**Joint Co-ordinators**  
*Dr.Archana S R (HOD & Asst.Professor)* *Smt. Indija P (Asst.Professor)*  
*Smt.Mathia S (Asst.Professor)* *Dr.Kyshima R (Asst. Professor)*  
*Smt. Lija P. Lekshmanan (Asst.Professor)* *Smt.Lekshmi S Dharam (Asst.Professor)*  
*Dr.Arshalatha A (Asst.Professor)* *Dr.Sreedekshmi R.V (Guest Faculty)*



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 Sree Narayana College  
 Sivagiri, Varkala

## **Report of TRENDZ seminar conducted on 08/02/2024**

As part of the TRENDZ-2023-2024 technical session of department Commerce started at 10:00 AM Program started with welcome address of Dr. Lekshmy Prasannan (Assistant Professor). Programme Inagurated by Dr. Vinod C. Sugathan (Principal). Followed by the invited talk of Dr N. Pradeep Kumar (Assistant Professor, Department of Commerce, MG University, Thiruvananthapuram) on UPI Payment system : Social Implications and Prospects . The inspiring and informative talk deals the general information about meteorites. The session has ended with vote of thanks of Ms. Lekshmi J (Assistant professor).



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*Commemorating Our Beloved Founder Manager*  
*Sri. R. Sankar*

**TRENDZ SEMINAR SERIES - 2023-24**  
*"Sharing Sustainable Knowledge"*

SEMINAR ON  
**UPI PAYMENT SYSTEMS : SOCIAL  
IMPLICATIONS AND PROSPECTS**

ORGANISED BY PG DEPARTMENT OF COMMERCE  
AND HOTEL MANEGEMENT

**DR.N.PRADEEP KUMAR**  
Assistant Professor of Commerce  
Mahatma Gandhi College  
Thiruvananthapuram

**8 FEBRUARY 2024**  
Time : 10.00 AM  
Venue : CONFERENCE HALL



Principal  
Sree Narayana College  
Sivagiri, Varkala



### Programme Schedule

Prayer	:	Department Choir
Welcome Address	:	Dr Lekshmy Prasannan (Co-ordinator)
Presidential Address	:	<b>Dr Vinod C Sugathan</b> (Principal)
Inaugural Address	:	<b>Dr.N.Pradeep Kumar</b> (Assistant Professor of Commerce, MG College, Trivandrum)
Felicitations	:	Dr. Soju.S (Head, PG Department of Commerce) Dr Shynu. R, Convenor (TRENDZ Seminar Series 2023-24)
Vote of Thanks	:	Ms Lekshmi.I (Assistant Professor)
Technical Session	:	<b>Dr.N.Pradeep Kumar</b> (Assistant Professor of Commerce, Mahatma Gandhi College, Thiruvananthapuram)
Paper Presentation	:	I MCom - Surabhi .S Kavya .RS II MCom - Vrinda Unni

### Organising Committee

Patron	:	<b>Sri Vellapally Natesan, Manager, SN Colleges</b>
Chairman	:	<b>Dr Vinod C Sugathan, Principal</b>
Management Representative	:	Sri Aji SRM, Executive Member, SN Trust
Head of the Department	:	Dr Soju.S, Assistant Professor
Co-ordinator	:	Dr Lekshmy Prasannan, Assistant Professor

### Joint Co-ordinators

Dr Jubilee.S.V. (Assistant Professor), Ms Lekshmi.I (Assistant Professor),  
Dr.Sidhukumar.N. (Assistant Professor), Dr.Rinku Babu (Assistant Professor),  
Sri Nimish S. Dharan (Faculty), Ms Gayatri S. Ajayan (Faculty),  
Ms Sukhaina J. Khan (Faculty), Ms Lekshmi R. S., (Faculty),  
Ms Akhila V. S. (Faculty)



GPS Map Camera

Varkala, Kerala, India  
QM3W+4XW, Varkala, Kerala 695311, India  
Lat 8.75241°  
Long 76.697526°  
08/02/24 09:58 AM GMT +05:30



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Sivagiri, Varkala

## **Report of TRENDZ seminar conducted on 07/02/2024**

As part of the TRENDZ-2023-2024 technical session of department geology started at 10:30 AM . Program started with welcome address of Dr. Sreela. S R (Coordinator & HOD). Dr. Nisha V (Assistant Professor) introduced the speaker. Followed by the invited talk of Dr K. P Jaikiran (Associate Professor, Department of Geology, University College) on “Understanding Climate Change ”. The inspiring and informative talk deals the general information about meteorites. The session has ended with vote of thanks of Dr. Vishnu Mohan (Assistant professor).

**Programme Schedule**

**Prayer**

**Welcome Address:**  
Dr. Sreela S R  
Assistant Professor & Head  
Dept. of Geology  
S. N. College, Varkala

**Inaugural Address:**  
Dr. Vinod C Sugathan  
Principal  
S. N. College, Varkala

**Introducing the speaker:**  
Dr. Nisha V  
Assistant Professor  
Dept. of Geology

**Keynote Address**  
Dr. K. P. Jaikiran  
Associate Professor & Head  
Department of Geology  
University College  
Thiruvananthapuram

**Felicitation:**  
Dr. Preetha Krishna L  
IQAC Co-ordinator

**Vote of Thanks**  
Dr. Vishnu Mohan S  
Assistant Professor  
Dept. of Geology

**Student Seminars**

**SREE NARAYANA COLLEGE, SIVAGIRI VARKALA**  
**PG DEPARTMENT OF GEOLOGY & IQAC**

**TRENDZ SEMINAR SERIES 2024**  
**FOCAL THEME:**  
**SHARING SUSTAINABLE KNOWLEDGE**

February  
Sun Mon Tue Wed Thu Fri Sat  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29  
7<sup>th</sup> February 2024

 **SEMINAR HALL**

**TALK ON**  
**UNDERSTANDING CLIMATE CHANGE**

  
**Dr. K. P. JAIKIRAN**  
Associate Professor and Head  
Department of Geology  
University College  
Thiruvananthapuram

*Organizing Committee: Dr. Sreela S. R., Dr. Shynu R., Smt. Puja Vijay, Dr. Nisha V.  
Dr. Vishnu Mohan S., Smt. Seethalekshmi*





**Principal**  
Sree Narayana College  
Sivagiri, Varkala



Principal  
 Sree Narayana College  
 Sivagiri, Varkala

## **Report of TRENDZ seminar conducted on 06/02/2024**

As part of the TRENDZ-2023-2024 technical session of department malayalam started at 10:00 AM Program started with welcome address of Dr. Sini (Assistant Professor). Programme Inagurated by Dr. Vinod C. Sugathan (Principal). Followed by the invited talk of Ms. Rekha (Assistant Professor, Department of Malayalam, Bishop College, Mavelikara) on *Shranathaude akayanm Kadhayil*. The inspiring and informative talk deals the general information about meteorites



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**TRENDz SEMINAR SERIES 2023-24**  
**Sharing Sustainable Knowledge**

*Commemorating our beloved Founder Manager*  
**Sri.R Sankar**  
**സ്വതന്ത്രതയുടെ ആഖ്യാനം കഥയിൽ**

Date : 06/02/2024 Time : 10.00 am  
Venue : Conference Hall

  
Resource Person

**ശ്രീമതി. കെ. രേഖ** (കഥാകാരി, പത്രപ്രവർത്തക)  
അസിസ്റ്റന്റ് പ്രൊഫസർ, മലയാളവിഭാഗം,  
ബിഷപ്പ് മൂർ കോളേജ്, മാവേലിക്കര

Organised by  
**DEPARTMENT OF MALAYALAM**  
in Association with  
**IQAC**



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Sree Narayana College  
Sivagiri, Varkala






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Sree Narayana College  
Sivagiri, Varkala



## **Report of TRENDZ seminar conducted on 12/02/2024**


As part of the TRENDZ-2023-2024 technical session of department mathematics started at 10:30 AM Program started with welcome address of Ms. Neelima (HOD). Followed by the invited talk of Dr LaJi M (Assistant Professor, Department of Statistics, Govt. Arts college, Thiruvananthapuram) on “R Programming”. The inspiring and informative talk deals the general information about meteorites. The session has ended with vote of thanks of Mr. Sree Murukan (Assistant professor).



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Reaccredited with "B++" grade by NAAC

IN RECOGNITION OF  
SRI R SANKER'S  
DEDICATION AND GUIDANCE, WE  
HOLD THIS EVENT TO HONOR THEIR  
MEMORY AND CONTINUE THEIR  
SPIRIT OF EXCELLENCE

**Resourse  
Person**





Dr Laji M  
Assistant Professor,  
Department of Statistics  
Govt Arts College Thiruvananthapuram

**DEPARTMENT OF MATHEMATICS  
IN ASSOCIATION WITH  
IQAC**

Organizing a Seminar on

**R PROGRAMMING**



Date: 12.02.2024( 10 AM)  
Venue: Conference Hall



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Sivagiri, Varkala

## PROGRAMME SCHEDULE

Prayer: Symalal & Ganga  
(I BSc Mathematics)

Welcome:  
Neelima N L (HOD Department of Mathematics)

Inaugural Address:  
Dr. Vinod C. Sugathan (Principal SN College, Varkala)

Felicitation:  
Dr Preethakrishna L ( IQAC Co-Ordinator)  
Dr Shynu R (Convenor, Trendz Series 2023-2024 )  
Dr. Sanma G R (Assistant Professor, Dept: Mathematics)

### Invited Talk:

**Dr Laji M**

Assistant Professor, Govt Arts College Thiruvananthapuram

Students Presentation by  
Resmi R.S , II Dc Mathematics  
Ashtami A. I Dc Mathematics  
Abshana Shajahan, I Dc Mathematics

### Vote of Thanks:

Mr. Sree Murukan A (Co-Ordinator )

### Organising Committee

Patron: Sri Vellappally Natesan (Manager SN Colleges)  
Chairman: Dr Vinod C Sugathan (Principal)  
Co-ordinator: Sree Murukan A ( Assistant Professor of Mathematics)

Joint Co-ordinators: Smt Neelima N L ( HOD Mathematics), Dr Sanma G R (Assistant Professor of Mathematics,  
Ms Archana A, Ms Saranya Sarath.



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# SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA

## Department of Physics

### Report on Trendz Seminar 2023-2024 on “From Silicon to Intelligence: The power of AI chips”

**Programme Schedule**

**Prayer** : College Choir

**Welcome Address** : Dr. Sajesh Sasidharan  
(HOD & Assistant Professor)

**Inaugural Address** : Dr. Vinod C Sugathan  
(Principal)

**Invited Talk** : Dr. K. G. Gopchandran  
(Professor, Optoelectronics)

**Felicitation** : Sri. Aji .SRM  
(Executive Member, SN Trusts )  
Dr. Preetha Krishna. L  
(IQAC Co-ordinator)  
Dr. Shynu R  
(Convenor, TRENDZ Seminar)

**Vote of Thanks** : Mrs. Veenas C L  
(Assistant Professor)


**Seminar on**  
**"From Silicon to**  
**Intelligence: The power of**  
**AI chips"**

**Date : 22/02/2024**  
**Time : 10:30AM**  
**Venue : Conference Hall**

  
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NAAC RE-ACCREDITED WITH B++ GRADE

**TRENDZ SEMINAR**  
**SERIES 2023-24**  
*Sharing Sustainable Knowledge*

*Commemorating Our Beloved*  
*Founder Manager Sri. R. Sankar*




**Organized By**  
**PG DEPARTMENT OF PHYSICS**  
in association with IQAC

**Session I**  
**11: 15 PM : Paper Presentation by Students**  
**Convenor: Dr. Raji R**

1. Athulya A L, II MSc Physics :  
Plasma Physics
2. Megha S D, II MSc Physics:  
Radiation Physics
3. Nandana Mohan , I MSc Physics  
Coronal Mass Ejections
4. Shijin Shaji, I MSc Physics  
Synthesis Characterization and Photocatalytic activity  
of TiO2 nanoparticles
5. Nandana S S , III BSc Physics  
Contributions of India in the field of Physics
6. Abhiram S J, I MSc Physics  
Playing with Circle and Manim (Arc Chord Radius  
Formulae)

**Vote of Thanks: Mr. Midhun M. L**

  
**Inauguration**  
**Dr. Vinod. C Sugathan**  
**Principal**  
**SN College , Sivagiri, Varkala**

  
**Resource Person**  
**Dr. K. G. Gopchandran,**  
**PhD, FRSC**  
**Professor, Dept. of Optoelectronics,**  
**University of Kerala, TVM**





**Principal**  
Sree Narayana College  
Sivagiri, Varkala



Sree Narayana College, Sivagiri, Varkala, founded in 1964, is a prestigious institution dedicated to the memory of the renowned social reformer Sree Narayana Guru, who believed in "Liberation Through Education and Strength through Organization." The college, managed by the S.N Trusts, Kollam, was re-accredited by NAAC with a B++ grade in 2021, solidifying its position as one of the leading institutions in the state. The Post Graduate Department of Physics, established in 1967, has a rich history of offering undergraduate and postgraduate programs in physics, with a faculty comprising eminent professors and teachers. As part of the Trendz Seminar Series, the Post Graduate Department of Physics and IQAC of Sree Narayana College, Sivagiri, Varkala organized an invited talk on February 22, 2024, at 10:30 AM in the Conference Hall. The program commenced with the traditional "Lighting the lamp" ceremony, graced by the chief guest, Dr. K.G. Gopchandran, Professor, Department of Optoelectronics, University of Kerala,



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Sree Narayana College  
Sivagiri, Varkala



Kariavattom, followed by a soulful prayer song.



### Inauguration of Trendz Seminar 2023-2024

Following the prayer, Dr. Sajesh Sasidharan, Head of Department and Assistant Professor of Physics, extended a warm welcome to everyone present at the inaugural session. Dr. Hima R, Head of Department and Assistant Professor of Botany, delivered the presidential and inaugural address. Dr. Shynu R, Convenor of the Trendz Seminar series and Assistant Professor of Geology, and Dr. Preetha Krishnan L, IQAC



  
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Varkala, Varkala

Coordinator, offered felicitations to the gathering. Mrs. Veenas C. L, Assistant Professor, proposed the vote of thanks for the session. The event was attended by teachers from various departments and undergraduate and postgraduate students from the respective departments. After the inaugural ceremony, the technical session commenced.



**Technical session by Dr. K.G. Gopchandran**



  
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Sivagiri, Varkala

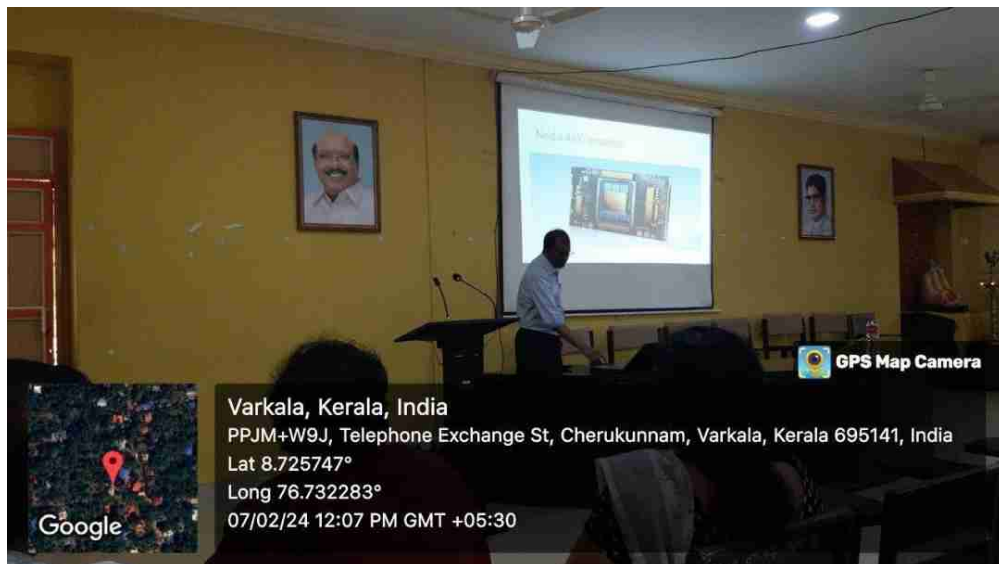
Technical Session I was led by the chief guest, Dr. K.G. Gopchandran, Professor of Optoelectronics at the University of Kerala (UOK). He delivered a captivating talk on "From Silicon to Intelligence: The Power of AI Chips." Dr. Gopchandran's presentation traced the evolution of semiconductors over the past six decades, highlighting the industry's significant advancements in modern technology. He discussed the current state of the semiconductor industry, its challenges, and the scientific and technological breakthroughs needed to overcome these challenges. Dr. Gopchandran emphasized that while improvements in chip design and manufacturing have substantially increased processing power and energy efficiency, conventional approaches may not be sufficient to meet the demands of complex applications. He then explained how Artificial Intelligence (AI) is transforming the semiconductor industry, supporting his points with statistics, examples, and references. He also showcased his latest research in the field, inspiring the students. The presentation sparked interesting debates and discussions on the topic.



*Principal*

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Principal  
 St. Mary's College  
 Sivagiri - Varkala

Technical Session II featured student presentations, starting with Abhiram S J, a first-year MSc Physics student, who presented on "Playing with Circles and Manim." Abhiram showcased his innovative work on developing an equation to calculate Arc Chord Radius, elaborating on the equation and demonstrating a computer program to solve it.



### Presentation by Mr. Abhiram S J

Shijin Shaji, a first-year MSc Physics student, delivered a presentation on "Synthesis, Characterization, and Photocatalytic Activity of TiO<sub>2</sub> Nanoparticles." Shijin's talk focused on the development of TiO<sub>2</sub> nanoparticles for the degradation of organic dyes, and he elaborated on the characterization of these nanoparticles using X-ray diffraction (XRD) analysis and UV-Visible absorption spectroscopy.







**Presentation by Mr. Shijin Shaji**

The fourth presentation was delivered by Nandana Mohan, a first-year MSc Physics student, on the topic "Coronal Mass Ejections" (CMEs). She provided an in-depth overview of CMEs, explaining that they are large structures comprising plasma and magnetic fields that are expelled from the Sun into the heliosphere. Nandana highlighted the scientific and technological significance of CMEs, noting that they release built-up magnetic energy and plasma from the solar corona, and are responsible for extreme space weather effects at Earth, other planets, and spacecraft throughout the heliosphere. She elaborated that the ejected material primarily comes from the low corona, with some involvement of cooler, denser material from the chromosphere or photosphere. Nandana also described the CME plasma as being entrained on an expanding magnetic field, often

taking the form of a flux rope with helical field lines and varying pitch angles.



### Presentation by Miss. Nandana Mohan

The fifth presentation was made by Miss. Megha S D, II MSc Physics on the topic “Radiation Physics,”. Megha's talk encompassed various aspects of radiation physics and its applications in medical imaging and treatments, with a focus on MRI scans, CT scans, and X-rays. She elaborated on the principles and uses of these imaging modalities, highlighting their significance in diagnosing and treating various medical conditions.



### Presentation by Miss. Megha S D



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The sixth presentation was delivered by Athulya A L, a second-year MSc Physics student, on the topic "Plasma Physics". Athulya provided a comprehensive overview of plasma physics, offering a deep insight into the subject and its various applications. She elaborated on the properties and behavior of plasmas, which are ionized gases that contain ions, free electrons, and neutral atoms or molecules, and discussed their significance in various fields, including fusion energy, space physics, and materials science.



**Presentation by Miss. Athulya A L**



  
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Sivagiri, Varkala





**SREE NARAYANA COLLEGE**

**Sivagiri, Varkala**

**DEPARTMENT OF ZOOLOGY**

**TRENDZ SEMINAR SERIES**

**2023-24**

**Focal Theme: Sharing Sustainable Knowledge**

**Report on seminar on "Innovations and Startups in Life Sciences"**

**Organized by: Department of Zoology**

The Department of Zoology , Sree Narayana College, Sivagiri, Varkala has organized the seminar titled "**Innovations and Startups in Life Sciences**" as part of the TRENDZ Seminar Series. The event commemorated the visionary leadership of Sri R. Sankar, our founder-manager of the college, and aimed with the Focal Theme: Sharing sustainable knowledge , among students and professionals in life sciences. The seminar was a collaborative effort with the Internal Quality Assurance Cell (IQAC) and received support from PTA and the Department of Biotechnology, Government of India.

### **Programme Schedule**

**Date:** February 5, 2024

**Venue:** Seminar Hall, Sree Narayana College, Sivagiri, Varkala

**Registration** (1:00 PM to 1:30 PM)

Participants were welcomed and registered at the venue from 1:00 PM to 1:30 PM.



A handwritten signature in green ink, likely of the Principal.

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Inaugural Session (1:30 PM to 1:45 PM)



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The seminar commenced with the Inaugural Session at 1:30 PM.

**Prayer:** The Department Choir team rendered the prayer song.

**Welcome Address:** Ms. Preethi S., Assistant Professor, Department of Zoology, delivered the welcome address, highlighting the significance of the seminar in today's rapidly evolving life sciences landscape.

**Presidential Address:** In the absence of Dr. Vinod C. Sugathan, Dr. Leji J gave the Presidential Address, underlining the importance of innovations and entrepreneurial ventures in the field of life sciences.

**Felicitation:** Dr. Preethakrishna L., IQAC Coordinator, Dr. Shynu R. TRENDZ Seminar Series Coordinator had delivered felicitations, expressing their appreciation for the initiative and the anticipated outcomes of the seminar.

**Inauguration:** The event was officially inaugurated by Dr. Deepu Krishnan, the resource person in the absence of Mr. Anoop Ambika, CEO of Kerala Startup Mission, Technopark, Trivandrum. He emphasized the role of startups in driving innovation and the role life sciences play in improving human health and well-being.

#### **Technical Session (1:45 PM Onwards)**

The Technical Session was conducted by Dr. Deepukrishnan P. R., Assistant Manager of Translational Research at Kerala Startup Mission, Technopark, Trivandrum. He delivered an insightful talk on "Innovations and Startups in Life Sciences," covering the latest trends, challenges, and opportunities in the field. His presentation provided valuable insights into how startups can effectively navigate the life sciences sector and contribute to significant advancements. He has also provided the details of the various financial assistances provided by Kerala Start up mission to the emerging Start Ups. He has also provided the case study of few successful life science Start ups in Kerala.

#### **Student Presentation Session (3:00 PM to 4:00 PM)**

Following the technical session, students were given the platform to present their innovative ideas and projects related to life sciences.

Ms. Akhila L S, 3<sup>rd</sup> year BSc Zoology Student has presented a proposal on the topic "Nonobots". Ms. Neha S, 3<sup>rd</sup> year BSc Zoology student has presented a paper on "



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Saffron cultivation in green house”. This session encouraged active participation and



A stylized handwritten signature in green ink, consisting of several loops and a long horizontal stroke.

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allowed students to showcase their creativity and research capabilities in the context of life sciences innovations.

### **Vote of Thanks**

The seminar concluded with a Vote of Thanks delivered by Dr. Leji J., Head of the Department and Associate Professor of Zoology. Dr. Leji J. expressed gratitude to all the dignitaries, participants, and organizing committee members for their contributions to making the seminar a resounding success.

**Conclusion.** The seminar on "Innovations and Startups in Life Sciences" was a significant event that successfully brought together a total of 78 students, faculty, and industry experts to discuss and explore the emerging trends in innovation and start ups in life sciences. The event highlighted the college's commitment to promoting research and entrepreneurship in this vital field.



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Sivagiri, Varkala

Technical Session: Dr. Deepu Krishnan P R



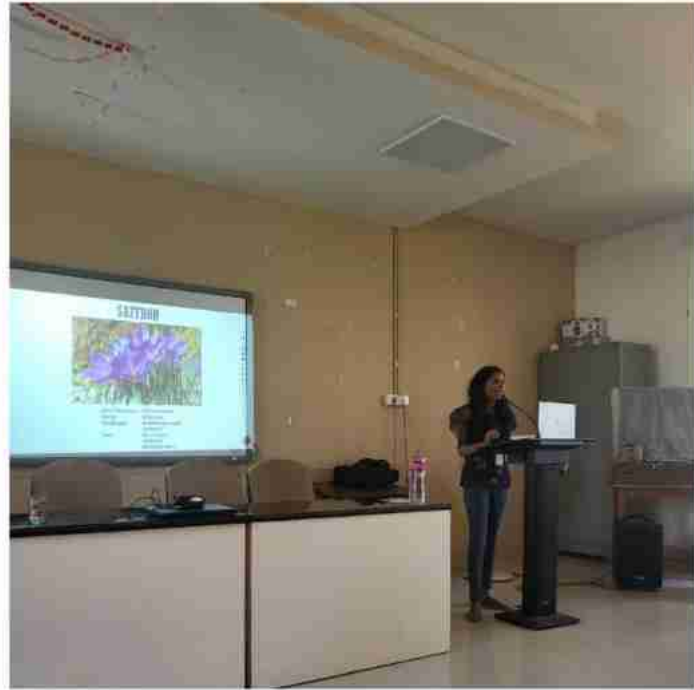
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# 86 Innovations and Start-ups in Life Sciences

Trendz Seminar Series S-23-24  
Seminar Hall 05/02/2024 February 2024

S/no	Name	Designation/class	Sign	S/no	Name
1.	Rishana S.S.	III <sup>rd</sup> BSc zoology	Rishana S.S.	33.	AND
2.	Meenakshy S.R.	"	Meenakshy S.R.	34.	Ad
3.	Streedevi R.	"	Streedevi R.	35.	G14
4.	Dessana Lal	"	Dessana Lal	36.	MS
5.	Soubhagya S.	"	Soubhagya S.	37.	Alas
6.	Neethu B	"	Neethu B	38.	
7.	N. Soniya David	"	N. Soniya David	39.	
8.	Ashwathy M.P	"	Ashwathy M.P	40.	
9.	Deepika Das	"	Deepika Das	41.	
10.	Ashwathy A.S	"	Ashwathy A.S	42.	
11.	Ajma Babu	"	Ajma Babu	43.	
12.	Navya S	"	Navya S	44.	
13.	Bhagyalakshmy S	I <sup>st</sup> yr B.Sc Zoology	Bhagyalakshmy S	45.	
14.	Alakananda S	"	Alakananda S	46.	
15.	Charithra B.S	"	Charithra B.S	47.	
16.	Indulekha D	"	Indulekha D	48.	
17.	Arja B. Sha	"	Arja B. Sha	49.	
18.	Ashu G.S	"	Ashu G.S	50.	A
19.	Ajya Nihar	"	Ajya Nihar	51.	
20.	Sahya S	"	Sahya S	52.	
21.	Sreenidhi R.J	"	Sreenidhi R.J	53.	
22.	Nandana B	"	Nandana B	54.	
23.	Sreethy A	III <sup>rd</sup> year BSc Zoology	Sreethy A	55.	
24.	Anathy M.T	I <sup>st</sup> year BSc Zoology	Anathy M.T	56.	
25.	Anagha R. Raj	"	Anagha R. Raj	57.	
26.	Uisima Umas	"	Uisima Umas	58.	
27.	Sane S. Lal	"	Sane S. Lal	59.	
28.	Siva Sudhi	"	Siva Sudhi	60.	
29.	Ashwin Lal	"	Ashwin Lal	61.	
30.	Abhay M.R	"	Abhay M.R	62.	
31.	Karthika S	"	Karthika S	63.	
32.	Sreelakshmi M.S	"	Sreelakshmi M.S	64.	
				65.	

















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Srno	Name	Designation / Class	Sign
33	Anagha Biju	"	
34	Athira G	"	
35	Geopika M G	"	
36	Manjima G R	"	
37	Ajay Ganesha US	"	
38	Rashmi R	"	
39	Priyanka B R	"	
40	Abhishek V	1 <sup>st</sup> Bsc Zoology	
41	Abhinav	"	
42	Ashwini S. Shaji	"	
43	Athul Shaji	"	
44	Ashwin S K	"	
45	Akshay	"	
46	Vaishnav V	"	
47	Arya P S	III <sup>rd</sup> Bsc Zoology	
48	Amithe S	"	
49	Minna Rafeek	"	
50	Aswathi A's (B)	"	
51	Laya B	"	
52	Charithra A S	"	
53	Neha S	"	
54	Akash S	III <sup>rd</sup> year Bsc Zoology	
55	Akhil L S	"	
56	Ashwin S	III <sup>rd</sup> year Bsc Zoology	
57	Prathusha P	III <sup>rd</sup> year Bsc Zoology	
58	Gowtham S	III <sup>rd</sup> year Bsc Zoology	
59	Swathi R S	"	
60	Lekshmi Girideep	"	
61	Vashta Jayaram	"	
62	Vinayak Rajesh	"	
63	Sivaji S	"	
64	Vidhura R V	"	
65	Sanjay	"	



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S.No	Name	Designation/class	Sign
66	Shafiq Mohammad	"	
67	Thalhar M.A	"	
68	Sanaleep	"	
69	Aranal	"	
70	Anuja N	2 <sup>nd</sup> Zoology	
71	Ichana N.S	"	
72	Shethuruban	"	
73	<del>Sahya S</del>	<del>1<sup>st</sup> Bsc Zoology</del>	<del></del>
73	Meenu G	3 <sup>rd</sup> Bsc Zoology	
74	Dr Biju C	Dist. Prt in Botany	
75	Pandhara B	1 <sup>st</sup> Bsc Zoology	
76	Bendu Prem	1 <sup>st</sup> Bsc Zoology	
77	Sukla Ekshmi S	"	
78	Suraj R	1 <sup>st</sup> Bsc Zoology	



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(Affiliated to University of Kerala, Re-Accredited by NAAC with B++ Grade,  
DBT STAR Status, RUSA Funded)

**DEPARTMENT OF ZOOLOGY**

**TRENDZ SEMINAR SERIES 2023-24**

**Sharing Sustainable Knowledge**

*Commemorating our beloved Founder Manager Sri.R Sankar*

**Seminar on**

***"Innovations and Startups in Life Sciences"***

**Date : 05/02/2024    Time : 1.30 PM    Venue : Seminar Hall**

*Organized by*

**DEPARTMENT OF ZOOLOGY**

*In Association with IQAC*

**Supported by PTA & Department of Biotechnology, Govt. of India**



*[Handwritten signature]*

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Sivagiri, Varkala

### **Programme Schedule**

**Date : 05/02/2024**

**Venue : Seminar Hall**

Registration	:	1.00 pm to 1.30 pm
Inaugural Session	:	1.30 pm to 1.45 pm
Prayer	:	Department choir team
Welcome Address	:	<b>Ms. Preethi.S</b> (Asst. Prof., Dept. of Zoology)
Presidential Address:	:	<b>Dr.Vinod C. Sugathan</b> (Principal)
Felicitation	:	<b>Dr.Preethakrishna L</b> (IQAC, Co-ordinator) <b>Dr.Shynu R</b> (Co-ordinator, TRENDZ Seminar Series)
Inauguration	:	<b>Mr.Anoop Ambika</b> (CEO, Kerala Startup Mission, Technopark, Trivandrum)
Technical Session	:	<b>Dr.Deepukrishnan P R</b> (Assistant Manager (Translational Research), Kerala Startup Mission, Technopark, Trivandrum)

### ***"Innovations and Startups in Life Sciences"***

**Student Presentation Session 3.00 pm to 4.00 pm**

Vote of Thanks : **Dr.Leji J**(HOD & Asso.Prof. Dept.of Zoology)

### **Organizing Committee**

Patron	:	<b>Vellappally Natesan</b> (Manager, SN Colleges)
Chairman	:	<b>Dr.Vinod C.Sugathan</b> (Principal)
Head of the Dept.	:	<b>Dr.Leji J.</b> (Asso. Prof., Dept. of Zoology)
Co-ordinator	:	<b>Ms.Preethi S</b> (Asst. Prof., Dept. of Zoology)
Joint Co-ordinators	:	<b>Dr.Binushma Raju</b> (Asst. Prof., Dept. of Zoology) <b>Dr.Chandana J S</b> (Guest Faculty, Dept. of Zoology)



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