



**S235**

## **Report**

### **Academic Year 2020- 2021**

**Name of the Event: Webinar Series: Astro Talks Series**

**Date: 29-01-2021, 30-01-2021, 11-02-2021 & 20-03-2021**

**Venue: Online (Google Meet)**

**Organized by: Post Graduate and Research Department of Physics, Vimala College (Autonomous) Thrissur**

**Participants: 289 (Total)**

#### **Report**

The first session of ASTRO TALKS webinar series “*Stellar Evolution and Nucleosynthesis of Elements*” was organized by Post Graduate and Research Department of Physics, Vimala College (Autonomous) Thrissur on 29<sup>th</sup> January 2021, in association with the Vimala Astronomy club (VAC), under the financial assistance from DBT Star College scheme, (Department of Biotechnology, Ministry of Science and Technology, Govt of India). It was a virtual meeting through google meet.

The programme was coordinated by the faculty and students of the department of Physics. Miss Milinda Rose George chaired the session. The programme started with prayer song by Twinkle Treasa M J, followed by a welcome note and introduction of the resource person by Dr Regina Jose, after which Dr Malini K A, the head of the department gave the inaugural address. The webinar was led by the resource person, Dr Drisya Karinkuzhi. It was a 2 hour session. 54 students (UG) participated. It was an explanatory and informative session, where students interacted, asked questions and cleared their doubts. The session concluded with a vote of thanks by Miss Atheena Kurian A.



# VIMALA COLLEGE (AUTONOMOUS), THRISSUR

## Brochure



**ASTRO TALKS**  
WEBINAR SERIES

Organized by  
Post Graduate and Research Department of Physics  
Vimala College (Autonomous), Thrissur

In Association with  
Vimala Astronomy Club (VAC)  
Vimala College (Autonomous), Thrissur

Funded by  
DBT-Star College Scheme, Department of Biotechnology  
Ministry of Science & Technology, Government of India

**1.30 pm**

**RESOURCE PERSONS**

29<sup>th</sup> January 2021  
  
**Dr Drisya Karinkuzhi**  
Senior Research Associate  
CSIR-Pool Scientist Scheme, Department of Physics  
Indian Institute of Science, Bangalore

30<sup>th</sup> January 2021  
  
**Dr Blesson Mathew**  
Assistant Professor  
Department of Physics and Electronics  
CHRIST (Deemed To Be University), Bangalore

11<sup>th</sup> February 2021  
  
**Dr Vivek M**  
Assistant Professor  
Indian Institute of Astrophysics  
Bangalore

20<sup>th</sup> March 2021  
  
**Dr Susmitha Rani Antony**  
Astrophysicist, Former PGF  
Tata Institute of Fundamental Research (TIFR)  
Mumbai

Online platform: Google meet

**About DBT**  
The remarkable march of India into the world of biosciences and technological advances began in 1986. That year, the then Prime Minister of the country, late Rajiv Gandhi, accepted the vision that unless India created a separate Department for Biotechnology, within the Ministry of Science and Technology, Government of India, the country would not progress to the desired extent. The Department shall provide services in the areas of, research, infrastructure, generation of human resource, popularization of biotechnology, promotion of industries, creation of centres of excellence, implementation of biosafety guidelines for genetically modified organisms and recombinant DNA products and biotechnological-based programs for societal benefits. Bioinformatics is a major mission to establish an information network for the scientific community, nationally and internationally.

**About Star College Scheme**  
Star College Scheme has been initiated by DBT in 2008 to support colleges and universities offering undergraduate education to improve science teaching across the country. DBT is committed to the values of i) Pursuit of excellence ii) Academic and intellectual freedom iii) Creativity and innovation iv) Diversity v) Cooperation and Communication and vi) accountability. DBT has therefore, launched a scheme for improving critical thinking and 'hands on' experimental work at undergraduate (college) level in sciences. It is expected to encourage more students to take up higher education in science. DBT will identify colleges with ambition and potential for excellence and provide academic and physical infrastructure for achieving excellence in teaching and unique exposure of students to experimental science.

**About Department of Physics**  
Post Graduate and Research Department of Physics was established in 1967. The Department of Physics, over the 30 years evolved into the first Post-Graduate Science department (1998) and the first Science Research Centre (2013) at Vimala College. The Department caters to the academic needs of hundreds of physics aspiring young minds. Right from its inception under the able leadership of Prof. Sc. Anna C M C, the Department steadily progressed to meet the curricular, co-curricular and extra-curricular demands of its students. Being a department supplemented by essential research expertise (Three research guides), we take initiatives for research activities with all the available facilities. Equipped with a DST-PRST lab, the department is able to carry out research oriented UG and PG projects, inter-departmental, inter-collegiate and university research collaborations.

**Organizing committee**  
Dr Mini Krishna K, Dr Veena Gopalan E, Dr Jovita Jose, Dr Dhanys Johnson, Mr Lavanya Varghese, Dr Anesh George, Dr Regina Jose

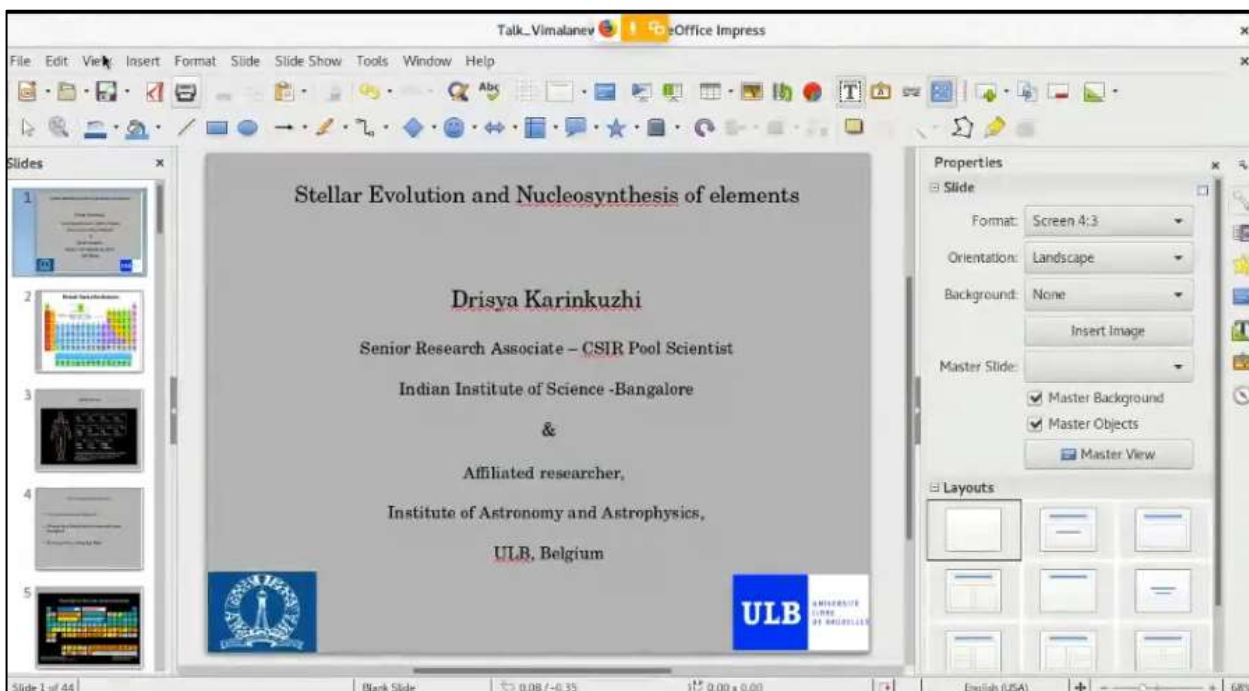
## Day 1

### Astro Talk 1 on "Stellar Evolution and Nucleosynthesis of Elements"

Date: 29-01-2021, 30-01-2021, 11-02-2021 & 20-03-2021

Venue: ONLINE (Google Meet), [meet.google.com/ftp-xdtb-qhd](https://meet.google.com/ftp-xdtb-qhd)

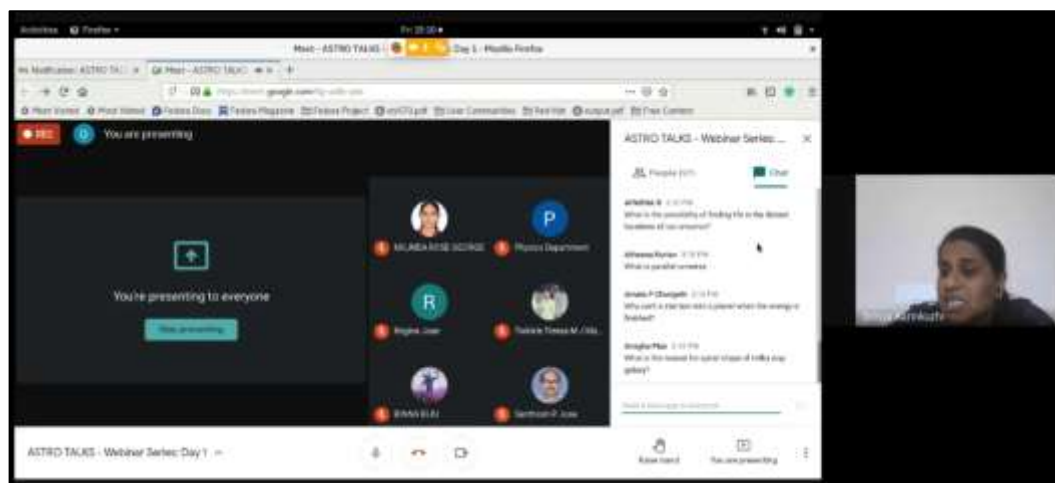
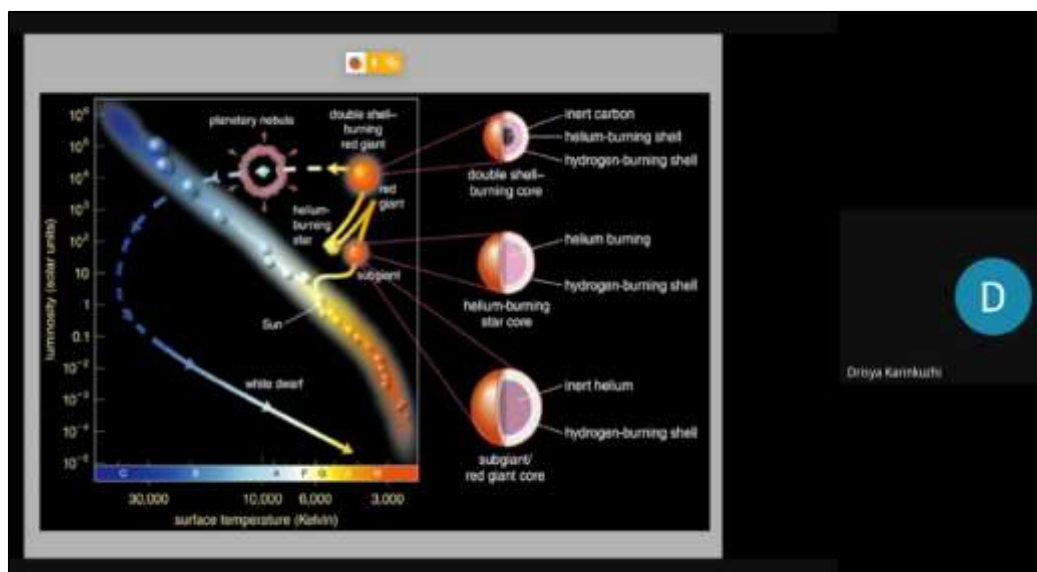
## Photos



*Assessment Period (2016 - 2021)*



# VIMALA COLLEGE (AUTONOMOUS), THRISSUR



*Assessment Period (2016 – 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Participant List

Sl. No.	Name	Designation	Department
1	Ahalya V	Student	Physics
2	Aiswarya Anil	Student	Physics
3	Aleena P W	Student	Physics
4	Amala P Chungath	Student	Physics
5	AnaghaAnilkumar	Student	Physics
6	Anagha Pius	Student	Physics
7	Aneesh George	Faculty	Physics
8	Angel Thomas	Student	Physics
9	Anjana Lakshmi V S	Student	Physics
10	Anjana R	Student	Physics
11	Anjana Revi	Student	Physics
12	Anu Shaju	Student	Physics
13	Aparna Balachandran	Student	Physics
14	Aparna R	Student	Physics
15	Ardra Babu M	Student	Physics
16	Arya P S	Student	Physics
17	Ashna Theresa	Student	Physics
18	AswathiT.A	Student	Physics
19	AswathyLofyraj	Student	Physics
20	Atheena Kurian	Student	Physics
21	Athulya A A	Student	Physics
22	Athulya Ks	Student	Physics
23	AthulyaPrasannan	Student	Physics
24	Binna Biju	Student	Physics
25	Deepa P V	Student	Physics
27	FabiFranciss	Student	Physics
28	Gift Varghese	Student	Physics
29	Hridya Sathish	Student	Physics
30	Jomol George	Student	Physics
31	Kavyalakshmi M S	Student	Physics
32	Lakshmi Pradeepkumar	Student	Physics
33	Lakshminanda E R	Student	Physics
34	Laveena Varghese	Student	Physics
35	MadonaE.J	Student	Physics
36	Malini Jayaram	Faculty	Physics
37	Maneesha K Rajesh	Student	Physics
38	Milinda Rose George	Student	Physics
39	Nadiya K	Student	Physics
41	Navaneetha H	Student	Physics
42	Neeraja C R	Student	Physics
43	Noufeedha O N	Student	Physics
44	ReenMariya M L	Student	Physics
45	Regina Jose	Student	Physics
46	Rose MariyaJoyson	Student	Physics
47	Sandra Vs	Student	Physics
48	Sangeetha K	Student	Physics

*Assessment Period (2016 - 2021)*





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

49	Sangeetha P	Student	Physics
50	Santhi Maria Martin	Student	Physics
51	Santhosh P Jose	Faculty	Physics
52	Sona MariyaShaju	Student	Physics
53	SreeLekshmi	Student	Physics
54	SreelakshmiJb	Student	Physics
55	Sreelakshmi V R	Student	Physics
56	SreenandiniThanoj	Student	Physics
57	Sruthy P	Student	Physics
58	SwathySatheesan	Student	Physics
59	Twinkle Treesa M J Maripurath	Student	Physics
60	Veena Gopalan E	Faculty	Physics
61	Vyshna	Student	Physics
62	Regina Jose	Faculty	Physics

### Day2

**Webinar Series: Astro Talks :Talk 2 “Universe: A Telescopic View”**

**Date: 30-01-2021**

**Venue:** ONLINE (Google Meet): [meet.google.com/mxt-eqyh-buy](https://meet.google.com/mxt-eqyh-buy)

**Organized by: Post Graduate and Research Department of Physics, Vimala College (Autonomous) Thrissur**

**Participants: 74 (69 Students, 6 faculty)**

### Report

The second session of ASTRO TALKS webinar series was organized by Post Graduate and Research Department of Physics, Vimala College (Autonomus) Thrissur on 30<sup>th</sup> January 2021, in association with the Vimala Astronomy club (VAC), under the financial assisiatnce from DBT Star College scheme, (Department of Biotechnology, Ministry of Science and Technology, Govt of India). It was a virtual meeting through google meet. The session was a purely interactive question-answer session and was coordinated by the faculty and students of the department of Physics.

Miss Maneesha K Rajesh (UG Physics) compared the session. Dr Veena Gopalan E gave the welcome note and introduced the resource person. The webinar was lead by the resource person, DrBlesson Mathew. It was a 2 hour session. 67 students (UG) participated. It was an interactive session, where the resource person gave an overview of various interesting topics in Astrophysics,

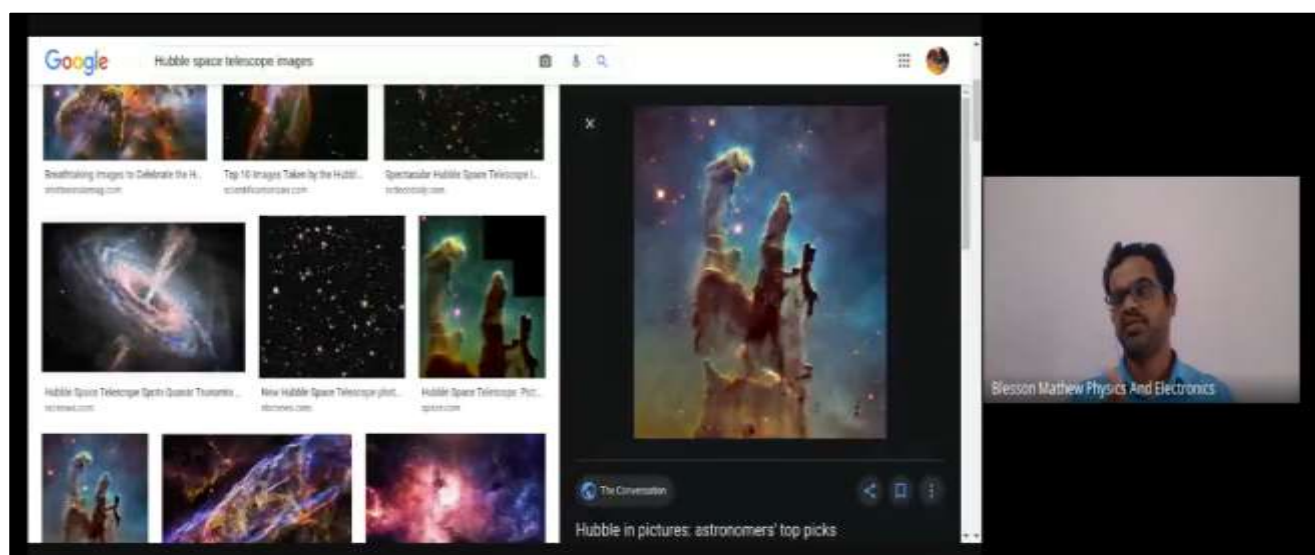
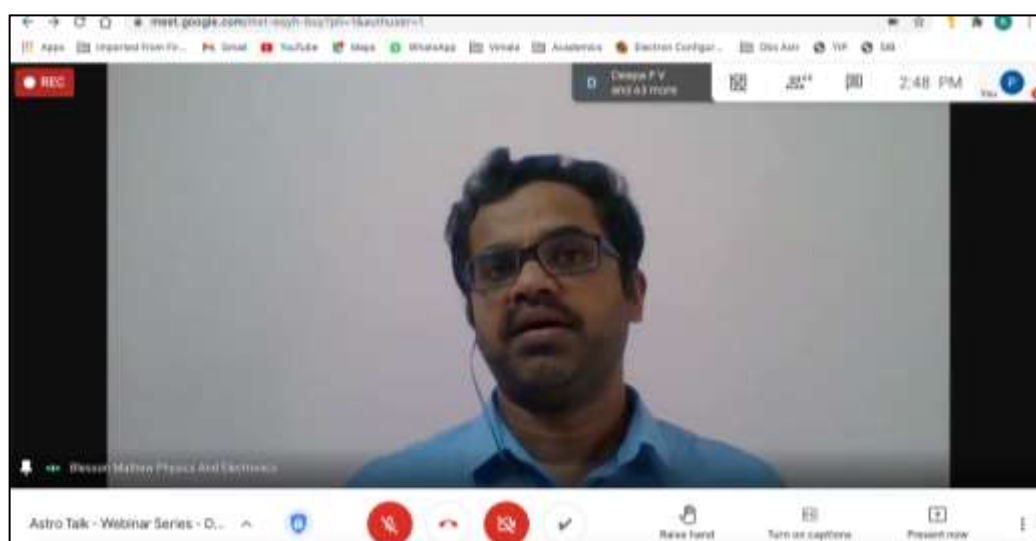


## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

opportunities in Astrophysics etc. Students interacted, asked questions and cleared their doubts. The session concluded with a vote of thanks by Miss Ashna Theresa (UG Physics).



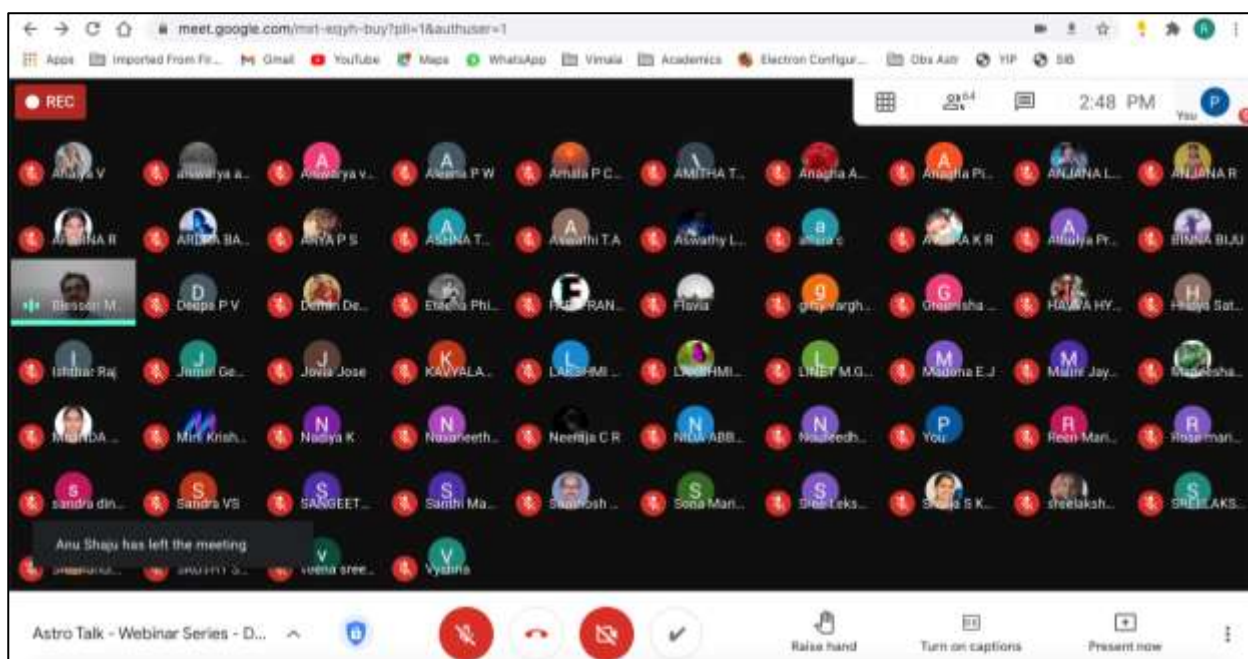
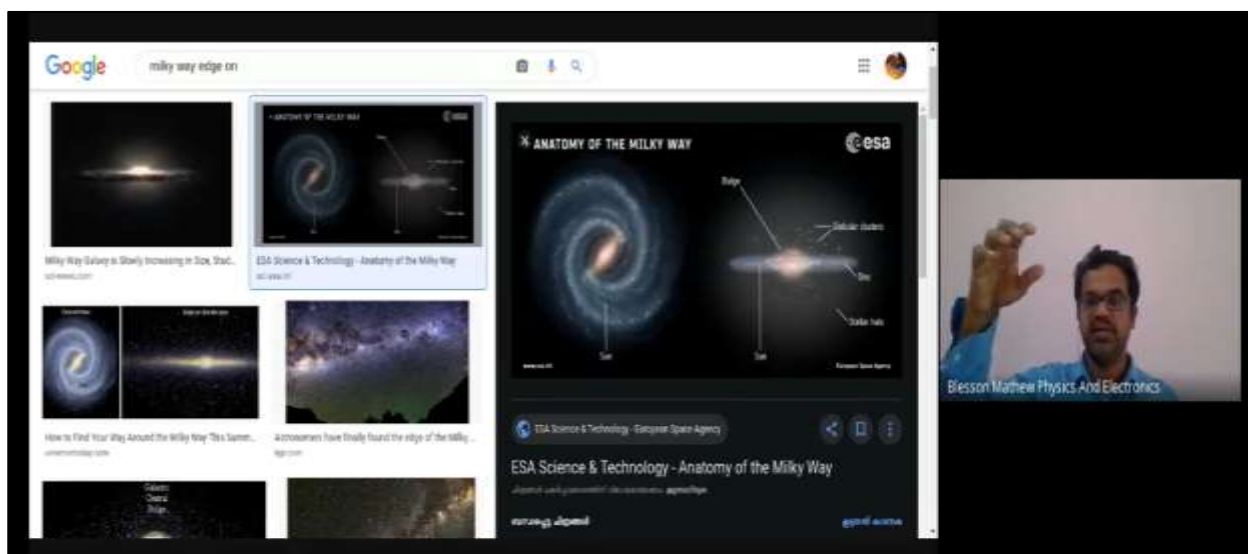
### Webinar Photos



*Assessment Period (2016 – 2021)*



# VIMALA COLLEGE (AUTONOMOUS), THRISSUR



## Participant List

Sl No	Name	Designation	Department
1	Ahalya V	Student	Physics
2	Aiswarya Anil	Student	Physics
3	Aiswarya V Mukundan	Student	Physics
4	Aleena P W	Student	Physics
5	Amala P Chungath	Student	Physics
6	Amitha Thomas	Student	Computer Sc

*Assessment Period (2016 - 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

7	AnaghaAnilkumar	Student	Physics
8	Anagha Pius	Student	Physics
9	Anjana Lakshmi V S	Student	Physics
10	Anjana R	Student	Physics
11	Anu Shaju	Student	Physics
12	Aparna Balachandran	Student	Physics
13	Aparna R	Student	Physics
14	Ardra Babu M	Student	Physics
15	Arya P S	Student	Physics
16	Ashna Theresa	Student	Physics
17	AswathiT.A	Student	Physics
18	AswathyLofyraj	Student	Physics
19	Athira C	Student	Physics
20	Athira K R	Student	Physics
21	Athulya A A	Student	Physics
22	Athulya Ks	Student	Physics
23	AthulyaPrasannan	Student	Physics
24	Binna Biju	Student	Physics
25	Cristin Thomas A	Student	Physics
26	Deepa P V	Student	Physics
27	Demin Dennis	Student	Physics
28	Dhanya Edwin	Faculty	Physics
29	Divya Davis	Student	Physics
30	FabiFranciss	Student	Physics
31	Flavia	Student	Physics
32	Gifty Varghese	Student	Physics
33	Gracemily P R	Student	Physics
34	Greenisha M U	Student	Physics
35	HavvaHyrath .K.	Student	Physics
36	Hridya Sathish	Student	Physics
37	Jomol George	Student	Physics
38	Jovia Jose	Student	Physics





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

39	Kavyalakshmi M S	Student	Physics
40	Keerthana P	Student	Physics
41	Lakshmi Pradeepkumar	Student	Physics
42	Lakshminanda E R	Student	Physics
43	LinnetM.George	Student	Physics
44	MadonaE.J	Student	Physics
45	Malini Jayaram	Faculty	Physics
46	Maneesha K Rajesh	Student	Physics
47	Mareena Thomas A	Student	Physics
48	Milinda Rose George	Student	Physics
49	Mini Krishna	Faculty	Physics
50	Nadiya K	Student	Physics
51	Navaneetha H	Student	Physics
52	Neeraja C R	Student	Physics
53	Neethu Joseph	Student	Physics
54	Nida Abbas	Student	Physics
55	Noufeedha O N	Student	Physics
56	ReenMariya M L	Student	Physics
57	Rose MariyaJoyson	Student	Physics
58	Sandra Dinesh	Student	Physics
59	Sandra Vs	Student	Physics
60	Sangeetha K	Student	Physics
61	Sangeetha P	Student	Physics
62	Santhi Maria Martin	Student	Physics
63	Santhosh P Jose	Faculty	Physics
64	Sona MariyaShaju	Student	Physics
65	SreeLekshmi	Student	Physics
66	SreelakshmiJb	Student	Physics
67	Sreelakshmi V R	Student	Physics
68	SreenandiniThanoj	Student	Physics
69	Sruthy Subash	Student	Physics
70	SwathySatheesan	Student	Physics



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

71	Twinkle Treesa M J Maripurath	Student	Physics
72	Veena Sreejith	Faculty	Physics
73	Vyshna	Student	Physics
74	Regina Jose	Faculty	Physics

### Day 3

#### Talk 3 Webinar on “Introduction to Extragalactic Astronomy”

**Date: 11-02-2021**

**Venue:** ONLINE (Google Meet): ): [meet.google.com/mxt-eqyh-buy](https://meet.google.com/mxt-eqyh-buy)

**Organized by:** Post Graduate and Research Department of Physics, Vimala College (Autonomous) Thrissur

**Participants: 55 (49 Students, 6 faculty)**

#### Report

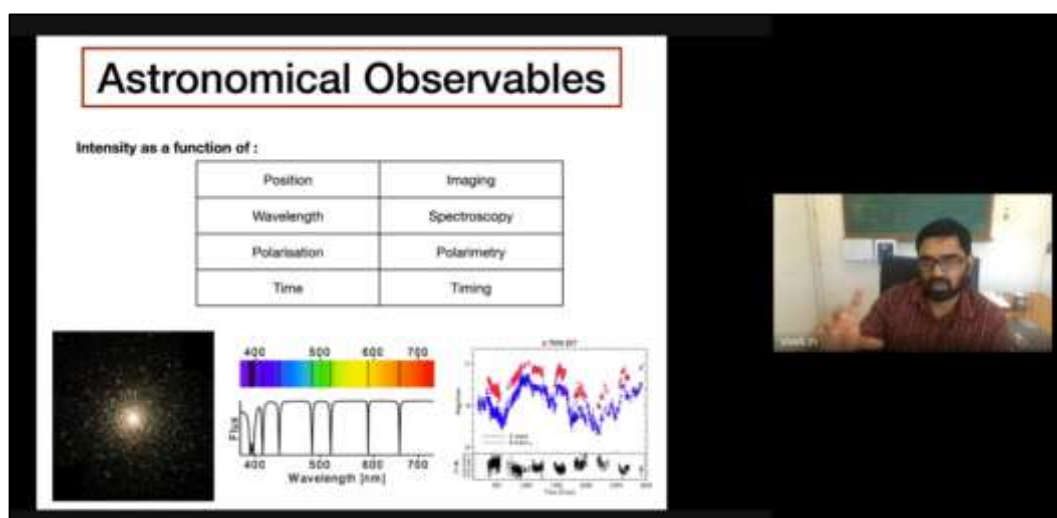
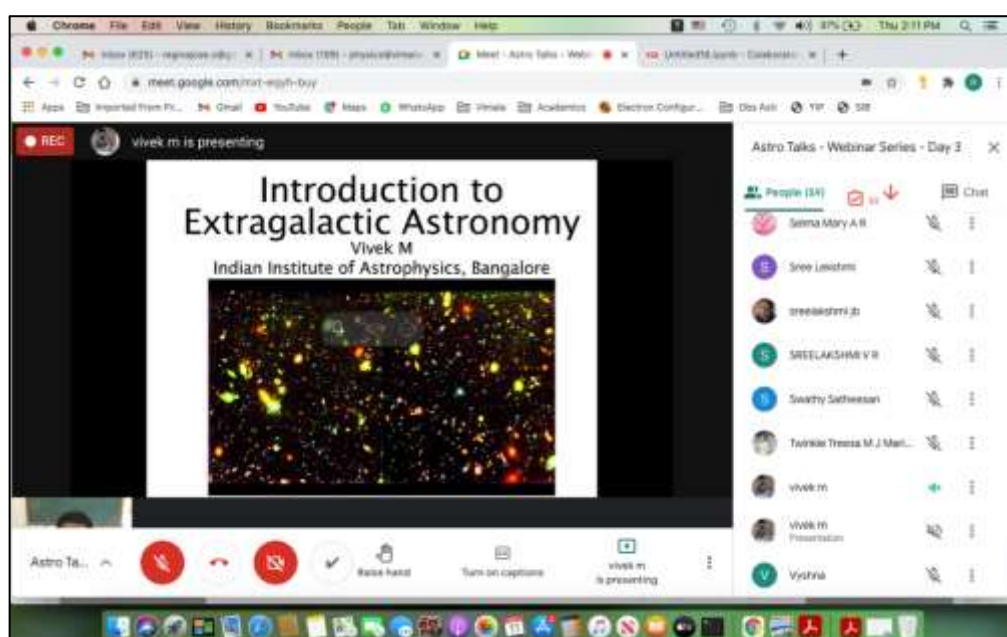
The third session of ASTRO TALKS webinar series “*Introduction to Extragalactic Astronomy*” was organized by Post Graduate and Research Department of Physics, Vimala College (Autonomus) Thrissur on 11<sup>th</sup>February 2021, in association with the Vimala Astronomy club (VAC), under the financial assisiatnce from DBT Star College scheme, (Department of Biotechnology, Ministry of Science and Technology, Govt of India). It was a virtual meeting through google meet. The programme was coordinated by the faculty and students of the department of Physics. Miss Niya Baby (UG Physics) compared the session. Dr Mini Krishna K gave the welcome note and introduced the resource person. The webinar was lead by the resource person, Dr Vivek M. It was a 2 hour session. 44 students (UG) participated. It was an explanatory and informative session, where students interacted, asked questions and cleared their doubts. The session concluded with a vote of thanks by Miss Mariya Lilly Thomas (UG Physics).



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR



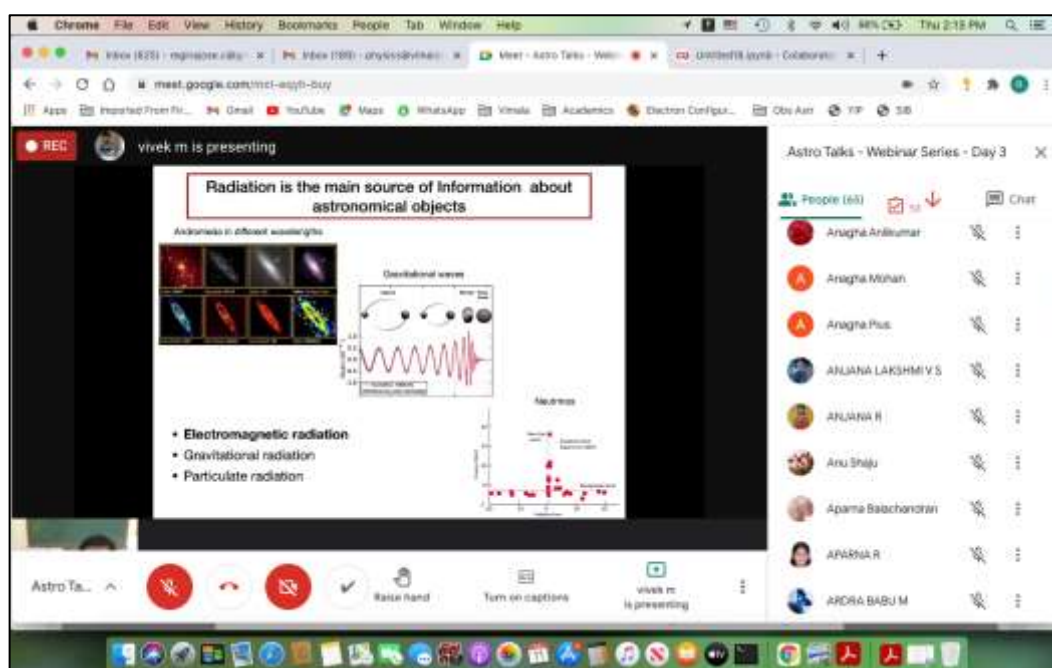
### Webinar Photos



*Assessment Period (2016 – 2021)*



# VIMALA COLLEGE (AUTONOMOUS), THRISSUR



## Participant List

Sl No	Name	Designation	Department
1	Adeenakrishnan U R	Student	Physics
2	Ahalya V	Student	Physics
3	Aiswarya Anil	Student	Physics
4	Aleena Joy	Student	Physics
5	Alen Jose	Student	Physics
6	Amala P Chungath	Student	Physics
7	AnaghaAnilkumar	Student	Physics
8	Aneesh George	Faculty	Physics
9	Anjana Lakshmi V S	Student	Physics
10	Anjana R	Student	Physics
11	Anu Shaju	Student	Physics
12	Aparna Balachandran	Student	Physics

*Assessment Period (2016 – 2021)*





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

13	Aparna R	Student	Physics
14	Ardra Babu M	Student	Physics
15	Arya P S	Student	Physics
16	Ashna Theresa	Student	Physics
17	Atheena Kurian	Student	Physics
18	AthiraJayan	Student	Physics
19	Athulya Ks	Student	Physics
20	AthulyaPrasannan	Student	Physics
21	Binna Biju	Student	Physics
22	Deepa P V	Student	Physics
23	Demin Dennis	Student	Physics
24	Dhanya Edwin	Faculty	Physics
25	FabiFranciss	Student	Physics
26	Frieda Thomas	Student	Physics
27	Gift Varghese	Student	Physics
28	Jomol George	Student	Physics
29	Kavyalakshmi M S	Student	Physics
30	Mariya Lilly Thomas	Student	Physics
31	Mini Krishna	Faculty	Physics
32	Navaneetha H	Student	Physics
33	Nida Abbas	Student	Physics
34	Niya Baby	Student	Physics
35	ReenMariya M L	Student	Physics
36	Regina Jose	Faculty	Physics
37	Ritzy Rose	Student	Physics
38	Sandra Dinesh	Student	Physics
39	Sandra Vs	Student	Physics
40	Sangeetha K	Student	Physics
41	Sangeetha P	Student	Physics
42	Santhosh P Jose	Faculty	Physics
43	Selma Mary A R	Student	Physics
44	Sona MariyaShaju	Student	Physics
45	SoniyaJojo	Student	Physics
46	SreeLekshmi	Student	Physics
47	SreelakshmiJb	Student	Physics
48	Sreelakshmi V R	Student	Physics
49	Sreelakshmi V R	Student	Physics
50	SreenandiniThanoj	Student	Physics
51	Sruthy P	Student	Physics
52	SwathySatheesan	Student	Physics
53	Twinkle Treesa M J Maripurath	Student	Physics
54	Veena Gopalan E	Faculty	Physics
55	Vyshna	Student	Physics
56	ARYA AVUNDITHARAKKAL	Student	Physics
57	ASNA M A	Student	Physics
58	ATHIRA C	Student	Physics
59	DIVYA JOY P	Student	Physics

*Assessment Period (2016 - 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

60	GREENISHA MU	Student	Physics
61	HAVVA HYRATH K	Student	Physics
62	HITHA ASHOKAN	Student	Physics
63	IRIN MARIA V S	Student	Physics

### Day 4

#### Talk 4 :Webinar on “Astronomy: An Observer’s View”

**Date: 20-03-2021**

**Venue:** ONLINE (Google Meet): [meet.google.com/cza-iwua-mib](https://meet.google.com/cza-iwua-mib)

**Organized by:** Post Graduate and Research Department of Physics, Vimala College (Autonomous) Thrissur

**Participants:** 80 (64 Students, 7 faculty, 9 alumnae)

#### Report

The fourth session of ASTRO TALKS webinar series “*Astronomy: An Observer’s View*” was organized by the Post Graduate and Research Department of Physics, Vimala College (Autonomous) Thrissur on 20<sup>th</sup> March 2021, in association with the Vimala Astronomy club (VAC), under the financial assistance from DBT Star College scheme, (Department of Biotechnology, Ministry of Science and Technology, Govt of India). It was a virtual meeting through google meet. The programme was coordinated by the faculty and students of the department of Physics. Miss Milinda Rose Gerge (UG Physics) compared the session. Dr Dhanya Johnson gave the welcome note and introduced the resource person. The webinar was lead by the resource person, Dr Susmitha Rani Antony. It was a 2 hour session. 57 students (UG) participated. It was an explanatory and informative session, where students interacted, asked questions and cleared their doubts. The session concluded with a vote of thanks by Miss Aparna Balachandran (UG Physics).





### Astronomy: an observer's view



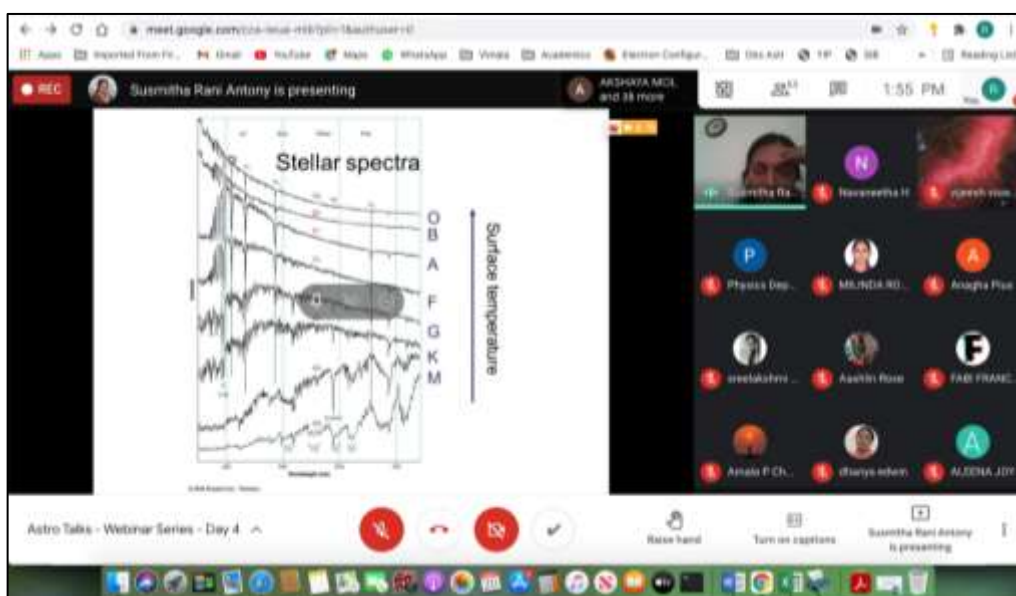
Sumaira Kapri Antony



*Assessment Period (2016 – 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR



### Participant List

Sl No	Name	Designation	Department
1	Aashlin Rose	Student	Physics
2	Ahalya V	Student	Physics
3	Aiswarya Anil	Student	Physics
4	Akshaya Mol	Student	Physics
5	Aleena Joy	Student	Physics
6	Amala P Chungath	Student	Physics
7	AnaghaAnilkumar	Student	Physics
8	Anagha Pius	Student	Physics
9	Angel Mariya Jose	Student	Physics
10	Anjana Kb	Student	Physics
11	Anjana Lakshmi V S	Student	Physics
12	Anjana R	Student	Physics
13	Anu Shaju	Student	Physics
14	Aparna Balachandran	Student	Physics
15	Aparna R	Student	Physics
16	Archana M	Student	Physics
17	Ardra Babu M	Student	Physics
18	Arya P S	Student	Physics
19	Ashna Theresa	Student	Physics
20	AswathiT.A	Student	Physics
21	AswathyLofy Raj	Student	Physics
22	Atheena Kurian	Student	Physics

*Assessment Period (2016 - 2021)*





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

23	AthiraJayan	Student	Physics
24	Athulya A A	Student	Physics
25	AthulyaPrasannan	Student	Physics
26	Binna Biju	Student	Physics
27	Deepa P V	Student	Physics
28	Demin Dennis	Student	Physics
29	Devikaraj T	Student	Physics
30	Dhanya Edwin	Faculty	Physics
31	FabiFranciss	Student	Physics
32	Farsana S	Student	Physics
33	Femy Francis	Alumna	Physics
34	Frieda Thomas	Student	Physics
35	Gift Varghese	Student	Physics
36	Hridya Sathish	Student	Physics
37	Jane James	Alumna	Physics
38	Jomol George	Student	Physics
39	Jovia Jose	Faculty	Physics
40	Julinjoseph Joseph	Alumna	Physics
41	Kavitha Pushparaj	Alumna	Physics
42	Kavyalakshmi M S	Student	Physics
43	Kr Sandhya	Student	Physics
44	Lakshmi Pradeepkumar	Student	Physics
45	Lakshminanda E R	Student	Physics
46	Laveena Varghese	Faculty	Physics
47	MadonaE.J	Student	Physics
48	Malini Jayaram	Faculty	Physics
49	Maneesha K Rajesh	Student	Physics
50	Milinda Rose George	Student	Physics
51	Nadiya K	Student	Physics
52	Narmada Venu	Alumna	Physics
53	Navaneetha H	Student	Physics
54	Neeraja C R	Student	Physics
55	Noufeedha O N	Student	Physics
56	Physics Department	Faculty	Physics
57	ReenMariya M L	Student	Physics
58	Regina Jose	Faculty	Physics
59	Reshmi Eanas	Alumna	Physics
60	Rojit Mathew	Student	Physics

*Assessment Period (2016 - 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

61	Rose MariyaJoyson	Student	Physics
62	Rosmin Biju	Student	Physics
63	Sandra Vs	Student	Physics
64	Sangeetha K	Student	Physics
65	Sangeetha P	Student	Physics
66	Santhi Maria Martin	Student	Physics
67	Sneha Sunny	Student	Physics
68	Sona MariyaShaju	Student	Physics
69	SreeLekshmi	Student	Physics
70	SreelakshmiJb	Student	Physics
71	Sreelakshmi V	Student	Physics
72	Sreelakshmi V R	Student	Physics
73	SreenandiniThanoj	Student	Physics
74	Sruthy P	Student	Physics
75	SwathySatheesan	Student	Physics
76	Deepthi	Alumna	Physics
77	Veena Gopalan E	Faculty	Physics
78	Vidya Devi	Student	Physics
79	VijeeshViswam	Alumna	Physics
80	Vyshna	Student	Physics

Head

Department of Physics

Vimala College(Autonomous)



PRINCIPAL IN-CHARGE  
VIMALA COLLEGE  
(AUTONOMOUS)  
THRISSUR - 680 009

*Assessment Period (2016 - 2021)*