



V.T.M.N.S.S. College, Dhanuvachapuram

Affiliated to the University of Kerala

Neyyattinkara, Trivandrum

Accredited by NAAC at B+ Level

ANNUAL REPORT 2020-21

VTM NSS College, Dhanuvachapuram

PG Department of English

Annual Report 2020-2021

Year of Establishment: 1964

Courses Offered: BA English Language and Literature

MA English Language and Literature

History

The PG Department of English has been an integral part of the college since it was established in 1964. With the introduction of the B.A. English course in 1967, it became a full-fledged department, and the addition of the M.A. English Course in 1998–99 gave it the status of a Principal Department. The Department is blessed with a vibrant group of enterprising teachers and dedicated students. There is a well-equipped language lab that ameliorates the communicative skills of our students.

Vision

The vision of the Department of English is to empower our young minds to compete in a competitive world through English Language Learning. The Department strengthens the education of students through constantly updated language and literature courses. The PG Department of English provides appropriate pedagogy that improves the language skills of students and helps them acquire communicative competence. The overall Vision of the Department is to develop the Department as a centre for academic excellence through teaching, learning, and research.

Mission

1. To help students cherish English Literature through e-teaching, offline teaching, webinars, and debates on topics covered in the syllabus.
2. To provide learning and research opportunities in the following Thrust Areas: Interdisciplinary Studies, New literatures in English, Media Studies, Women's Writing, Modern and Postmodern Literatures, Cultural Studies, Gender Studies, Translation Studies, Film Studies etc
3. To enhance their ability to improve social responsibility and professional commitment
4. To emerge as a centre of excellence in Language and literature studies.

5. To provide students with the skills to master entrance exams for further studies in India and abroad.
6. To train students at all levels with a foundation for appropriate career goals in the competitive job market.

Faculty, staff and student details

Annual Student Intake

PG: 20

UG: 60

Students admitted to first year during 2020-21

PG: 21

UG: 55

Total number of students –

UG	1 st Year (20 Ad)	2 nd Year (19 Ad)	3 rd year (18 Ad)
Boys	20	17	18
Girls	33	40	36
PWD	2	2	1
Other states	0	0	0
Total	55	59	54

PG	1 st Year	2 nd year
Boys	1	1
Girls	19	23
PWD	1	0
Other state	0	0
Total	21	24

Number of full-time teaching posts: 11

Guest Faculty : 1

Faculty Details

Sl No	Name	Designation
1.	Dr. Asha K.	Assistant Professor
2.	Dr.Sigma G. R.	Assistant Professor & Head
3.	Lakshmi Menon	Assistant Professor

4.	Parvathy G	Assistant Professor
5.	Chithra Mohan	Assistant Professor
6.	Shama Pillai	Assistant Professor
7.	Gayathi Menon K.	Assistant Professor
8	Anjali. R	Assistant Professor
9.	Saranya K. V.	Assistant Professor
10.	Aswathy G.	Assistant Professor
11.	Arathi Lal B.	Assistant Professor
12.	Athira C R	Guest Faculty

Class in charge

PG

Sl.No.	Batch	Tutor
1.	Semesters 3&4	Gayathri Menon
2.	Semesters 1&2	Aswathy G

UG

Sl. No.	Batch	Tutor
1.	Semesters 5&6	Saranya K. V. & Arathi Lal B.
2.	Semesters 3&4	Shama Pillai & Chithra Mohan
3.	Semesters 1&2	Parvathy G & Lakshmi Menon

General English

Semester 3&4

Sl. No.	Batch	In charge
1.	English	Parvathy G.
2.	Malayalam	Shama Pillai
3.	Political Science	Gopika Nair
4.	Economics	Parvathy G
5.	History	Gayathri Menon
6.	Mathematics	Lakshmi Menon
7.	Physics	Dr. Sigma G.R.
8.	Chemistry	Aswathy G.
9.	Botany	Saranya K.V.

10.	Zoology	Arathi Lal B.
11.	Commerce	Chithra Mohan

Semesters 1&2

Sl. No.	Batch	In charge- Paper 1	In charge- Paper 1
1.	English	Lakshmi Menon	Gayathri Menon
2.	Malayalam	Gayathri Menon	Gayathri Menon
3.	Political Science	Aswathy G	Aswathy G
4.	Economics	Shama Pillai	Shama Pillai
5.	History	Dr.Sigma G.R.	Dr. Sigma G.R.
6.	Mathematics	Dr.Parvathy G.	Arathi Lal B.
7.	Physics	Arathi Lal B.	Arathi Lal B.
8.	Chemistry	Chithra Mohan	Chithra Mohan
9.	Botany	Gopika Nair	Gopika Nair
10.	Zoology	Saranya K.V.	Saranya K.V.
11.	Commerce	Lakshmi Menon	

Faculty Advisors in College Level Administrative Committees

Sl. No.	Name	Administrative Assignment
	Dr.Asha K.	Library Committee, Building Committee, Women Study Unit member
	Dr. Sigma G.R.	NAAC Steering Committee member, College Canteen Committee, Women Study Unit Convenor
	Lakshmi Menon	IQAC Member, ICT Initiatives member, Research Committee member, PG Forum convenor
	Parvathy G	Research Committee member
	Chithra Mohan	Women Study Unit member, Academic Committee member
	Shama Pillai	IQAC Coordinator, Women Study Unit member, Equal Opportunity Cell Convenor, General Time table Committee member, Open Course Member
	Gayathri Menon	Internal Exam Committee Convener, Career Guidance and counselling cell member, Legal Studies

		Cell member, Research Committee member, College Calendar Committee
	Anjali R	General Time table Committee member
	Saranya K.V.	Nature Club Convener
	Aswathy G.	Advance Learners Forum Convenor, PG Forum
	Arathi Lal B.	Women Study Unit member, Career Guidance and counselling cell member

FDP Attended

PG DEPARTMENT OF ENGLISH

FACULTY DEVELOPMENT PROGRAMMES UNDERGONE BY TEACHERS 2020-

2021

Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)	Organising Institution
Orientation Program			
Lakshmi Menon	04-02-2021 to 05-03-2021 (1 month)	Faculty Induction Programme	UGC HRDC Kannur University
Chithra Mohan	15-02-2021 to 16-3-2021 (1 month)	UGC-HRDC Online Faculty Induction Programme	UGC-HUMAN RESOURCE DEVELOPMENT CENTRE OSMANIA UNIVERSITY
Refresher Program			
Aswathy G	03-11-2020 to 16-11-2020	Live Online Refresher Course in English Language and Literature	UGC HRDC, University of Kerala, Kariavattom, TVM
Faculty Development Program			

Chithra Mohan	15.01.2021 to 21.01.2021 (1 week)	ONE WEEK FACULTY DEVELOPMENT PROGRAM: Teaching and Learning in Post COVID Era	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMN MTT) of Ministry of Education and St. Joseph's College (Autonomous), Irinjalakuda.
Anjali R.	12.08.2020 to 18.08.2020 (1 week)	Short Term FDP Towards Digital Era of Teaching and Learning,	organised by UGC HRDC, University of Kerala at KSMD College
Arathi Lal B	12.01.2021 to 25.01.2021 (2 weeks)	Online Two week National Faculty Development Programme	Jointly organized by Guru Angad Dev Teaching Learning Centre, PMMMN MTT of Ministry of Education, Bishop Moore College and St. John's College, Agra on Media and Art in

			Teaching and Learning
Workshops			
Lakshmi Menon	26.06.20 to 28.06.20 (3 Days)	National Workshop on 'Remote Learning	Organised by IQAC, Central University of Kerala

		Technology for Higher Education'	
Anjali R	9.4.2021(1day)	National Online Workshop: Development of MOOCs in Digital Platforms	IQAC & Digital Library, VTMN SS College
Seminars			
Sigma G.R	09-08-2021	The Rhapsodies of Reading	Invited Lecture Series 2 St. Joseph's College, Irinjalakuda
	02-10-2020	A Talk on Poetry	Chinmaya College of Arts, Commerce and Science, Kochin
	24-08-2020	Presented paper in webinar on role of Women writers in Indian English Literature	BBA Autonomous Maha Vidyalaya, Odisha
	15-10-2020	Indian English Poetry	National webinar Lecture Series, Al - Azhar College of Arts and Science, Thodupuzha
Dr. Parvathy G	18th June 2020	webinar on 'The Sociological Ramifica tions of Online Education'	Department of English, SNColl ege, Chempazhanthy







UGC - HRDC, UNIVERSITY OF KERALA, THIRUVANANTHAPURAM - 695581

In collaboration with

KUMBALATHU SANKUPILLAI MEMORIAL
DEVASWOM BOARD COLLEGE, SASTHAMCOTTA - 690521

CERTIFICATE

This is to certify that **Anjali R**, Assistant Professor, Department of English, VTM NSS College, Dhanuvachapuram has participated and successfully completed the One Week online **Short term Faculty Development Programme** on "**Towards a Digital Era of Teaching and Learning**" which was delivered as MOOC with four quadrants, organised by UGC-HRDC, University of Kerala, Thiruvananthapuram in collaboration with KSMDB College, Sasthamcotta from August 12-18, 2020.




Prof. (Dr.) S.V. Sudheer
Director, UGC- HRDC



Dr. K.S. Anil Kumar
Principal, Chief Coordinator



Dr. V. Jayasree
Coordinator, IQAC

18th August 2020

Kumbalathu Sankupillai Memorial Devaswom Board College
(Re-accredited by NAAC with 'A' Grade (CGPA 3.20))
www.ksmdb.ac.in



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Bishop Moore College,
Mavelikara
Affiliated to the University
of Kerala

Certificate

12th January to 25th January 2021

TWO WEEK FACULTY DEVELOPMENT PROGRAM

Media and Art in Teaching and Learning (Interdisciplinary)

This is to certify that

ARATHI LAL B. of VTM NSS COLLEGE, DHANUVACHAPURAM (UNIVERSITY OF KERALA)

has successfully completed Two Week Online National Faculty Development Program jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education, Bishop Moore College, Mavelikara, Affiliated to the University of Kerala and St. John's College, Agra. This was conducted in online mode with full Two Week commitment through Live Sessions, Quizzes, Project and Assignments. This Online FDP is equivalent to Two week face to face FDP. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.


Dr. Jaswinder Singh
Principal
S.G.T.B. Khalsa College
University of Delhi


Dr. Jacob Chandy
Principal
Bishop Moore College,
Mavelikara
सत्यमेव जयते


Dr. Vimal Rath
National Coordinator
GAD-TLC of MoE

UNIQUE CERTIFICATE No: GAD-TLC/20-21/OFPD32/104

**CENTRAL UNIVERSITY OF KERALA
Kasaragod**

Internal Quality Assurance Cell
(IQAC)

National
Online Workshop

On
**Remote Learning Technology for
Higher Education**

Date

26.06.20 to 28.06.20

Certificate No : IQAC-CUK-RL-001

Certificate Issued Date : 6/7/2020

Certificate of Participation

This is to certify that

Lakshmi Menon

Assistant Professor

VTM NSS College Dhanuvachapuram Trivandrum

Participated in the 3 Days National Workshop on
Remote Learning Technology for Higher Education

Organised By

Internal Quality Assurance Cell (IQAC),
Central University of Kerala, Periyar, Kasaragod, Kerala
from 26.06.2020 to 28.06.2020



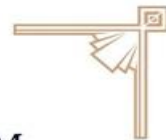
Dr. K. Thiyagu
Organising Secretary



Certificate Verification
QR Code



Prof. Mohamedunni Alias Musthafa
Director, IQAC



VTM NSS COLLEGE, DHANUVACHAPURAM

Affiliated to the University of Kerala, Thiruvananthapuram,
Accredited with B+ Grade by NAAC

Contact: 0471-2232240, Email: vtmnsscollege@yahoo.in

CERTIFICATE

This is to certify that Anjali R, Assistant Professor, Department of English, VTM NSS College, Dhanuvachapuram, attended the **National Online Workshop on Development of MOOC in Digital Platforms**, jointly organised by the IQAC and Central Library of VTM NSS College, Dhanuvachapuram on 09/04/2021.



Dr V M Anandakumar
PRINCIPAL



Shama Pillai
IQAC COORDINATOR



Dr Sreeragi R G
LIBRARIAN





B.B. AUTONOMOUS MAHAVIDYALAYA
CHANDIKHOLE, JAJPUR, ODISHA .



NATIONAL WEBINAR

ORGANIZED BY DEPARTMENT OF ENGLISH

TOPIC-ROLE OF WOMEN WRITERS IN INDIAN ENGLISH LITERATURE

SPEAKERS

PLATFORM-ZOOM

DATE-24-08-2020

TIME-11:30 AM



Dr. Mohini Gurav
Professor PG Dept.
English
Sandip University
Nasik, Maharashtra



Dr. Sigma Satish
Former faculty of
English(SCT)Ministry of
manpower,Oman
Head in charge,VTMNSS
college(Kerala University)



Dr. Brendra Mishra
Principal
B.B. Autonomous
Mahavidyalaya
Chandikhole


DEPT. OF ENGLISH

PROF. J. K. ROUT
PROF. B. C. MALLICK
PROF. D. G. PRATAP
PROF. N. BISWAL

MODERATOR- PROF. RAJENDRA KUMAR PADHI, HOD, DEPT. OF ENGLISH

INDIAN ENGLISH POETRY

NATIONAL WEBINAR SERIES

Free Registration | On  **October 15 | 3:00 PM**

Dr. Sigma, a widely published Indian Poet, is Asst Prof at PG Dept of English, VTMNSS College, Trivandrum. She authored four poetry books, "World at Large - Haiku poems" is her latest book
Meeting ID: 763 154 8685 Passcode: IAlazhar



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THODUPUZHA, KERALA

www.alazharthodupuzha.org/events

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CHINMAYA
COLLEGE OF ARTS, COMMERCE & SCIENCE



DEPARTMENT OF COMMUNICATIVE ENGLISH
WEBINAR

TOPIC: A TALK ON POETRY

DATE : 02 OCTOBER 2020

TIME : 10:30AM - 11:30AM



Dr. Sigma Sathish

POET, WRITER
ASST. PROFESSOR
PG DEPT OF ENGLISH
VTMNSS COLLEGE
TRIVANDRUM

PLATFORM: ZOOM

Webinar on

**THE SOCIOCULTURAL
RAMIFICATIONS OF
ONLINE EDUCATION**



Sree Narayana College, Chempazhanthy

Re-accredited by NAAC with 'B Grade'

Post Graduate Department of English

Certificate Of Attendance

This is to certify that

*Ms. Parvathy G. Assistant Professor, Department of English, VTM NSS College,
Dhanuvachapuram, Thiruvananthapuram,
has attended the Webinar on The Sociocultural Ramifications of Online Education
on 18, June, 2020*

Dr. Manu Remakant
HOD, Dept of English

Dr. Swapna Gopinath
Co-convener

Ms. Sangeetha Hariharan
Co-convener

Department Level Activities 2020-2021

Academic Programme Committee

Our department also has an Academic Programme Committee which is monitored by the Head of the Department Dr. Sigma G. R. The decisions regarding all academic activities are discussed and finalized through timely department level meetings. The committee also conducts regular academic audits and directs the management of internal examinations.

Bridge Course

The Post Graduate Department of English has designed the bridge course with the objective of catering the specific pre-requisites of the course BA English Language and Literature. The course acts as an entry level academic engagement for the first year graduates at the onset of their course. Students from diverse academic streams, like Commerce, Physical/ Life Sciences and Humanities/Social Sciences need a basic level understanding of liberal arts and literature. They must be provided with an outlook of developing the right approach towards studying literature which is entirely distinct from other disciplines. The syllabus is conclusive of all the relevant aspects of the programme and it helps the students to familiarize with individual courses under the programme.

General Instructions Introduction to the Course B A English Language and Literature

Attachments

MainGeneral Introduction1 .mp3

main general intro 2.mp3

Save all files offline

Class comments

Anandhu S Vijay 11 Dec 2020
Ok teacher

Aswin AS 11 Dec 2020
Ok mam

Akshaya B 11 Dec 2020
Ok Mam

Bhavya A.J 11 Dec 2020
Ok mam

Ashli Das 11 Dec 2020
Ok mam

Mahitha Mk 11 Dec 2020

BRIDGE COURSE: Ge...

General Instructions Introduction to...
Posted 11 Dec 2020 28

Timetable & Syllabus d...

Syllabus division
Posted 1 Dec 2020 10

Timetable(Hours dedicated to Core...
Posted 2 Dec 2020 13

What is Literature

Popular Literature
Posted 5 Aug 2021 24

Electronic Literature- Examples
Posted 19 Mar 2021 23

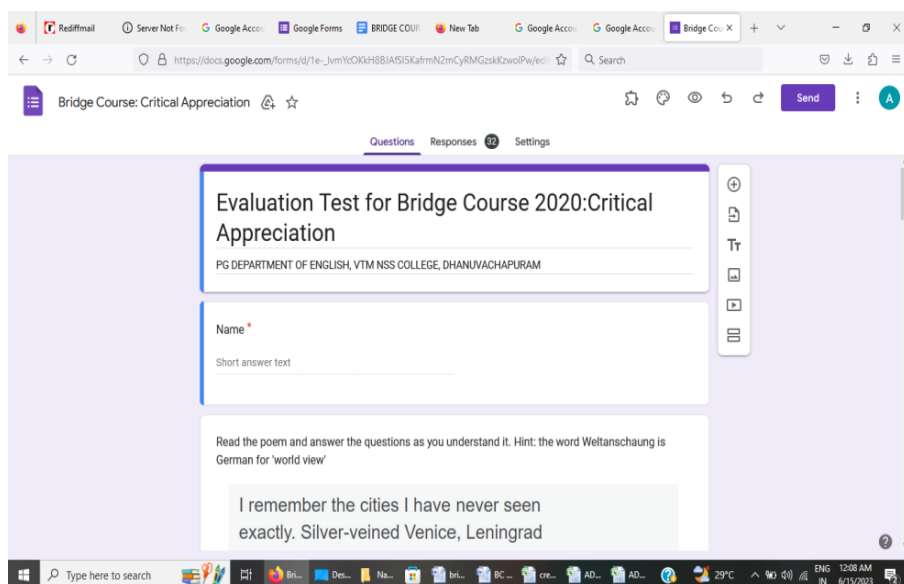
Prose, Poetry, Novel, Novella, Short...
Posted 4 Mar 2021 35

Stream Classwork People

Due to the lockdown related to the covid pandemic, bridge course for the academic year 2020-21 was conducted through online mode and classes were mainly handled through various online learning management systems. The classes were handled by the teachers within the department as per the pre-designed syllabus and time table. The course commenced on 11 December 2020

and a total of 55 students attended the course, out of which 20 were male students and the rest 35, female students. Lectures comprised of both recorded classes and live sessions engaged via Google Classroom and Google Meet respectively. The classes were predominantly interactive thereby giving ample space to the students to convey their thoughts, ideas and queries. They were encouraged to post their remarks in the class comments and teachers found it significantly effective in ensuring the active participation of the students as well as assessing their feedback regarding the classes.

The assesment taken at the end of the bridge course is one among the many parameters in identifying the learning levels of the students. Since bridge course is conducted at the commencement of the UG programme, it is found effective in evaluating the student's initial learning level along with a comparative analysis with their respective entry level marks. The evaluation tests for the academic year 2020-21 was conducted through online platforms; Google form and Google classroom.



The screenshot shows a Google Form titled "Evaluation Test for Bridge Course 2020:Critical Appreciation" from the PG DEPARTMENT OF ENGLISH, VTM NSS COLLEGE, DHANU/VACHAPURAM. The form includes a "Name" field with a "Short answer text" label. Below this is a text box containing the instruction: "Read the poem and answer the questions as you understand it. Hint: the word Weltanschauung is German for 'world view'". The poem text is: "I remember the cities I have never seen exactly. Silver-veined Venice, Leningrad". The form is displayed in a browser window with a Windows taskbar at the bottom showing the date 6/15/2023 and time 12:38 AM.

The students were given a test on comprehension and appreciation of a literary text through a Google form <https://forms.gle/gvnMQTLjKp5C1Fws7>. They were also given short online presentations and assignments via Google Classroom, out of which one is valued for the assesment.

The screenshot displays a digital assessment interface. On the left, under the 'Question' tab, the instruction reads: 'Write a Review'. Below this, it asks students to attempt a short review (one or two paragraphs) on any literary work (poem, novel, short story, drama) they have read and been influenced by, or alternatively, on a movie they have seen and been influenced by. It emphasizes writing a genuine review and not forgetting to write their name. On the right, under the 'Student answers' tab, a list of students is shown, each with a checkbox, a profile picture, their name, and the status 'Handed in'.

Question	Student answers
<p>Write a Review</p> <p>Please do attempt a short review(one or two paragraphs) on any literary work(can be a poem, novel / short story/ drama) that you have read and got influenced.</p> <p>OR</p> <p>For those who may find it difficult to write about a literary work can attempt a short review(one or two paragraphs) on a movie which you have seen and influenced you the most.</p> <p>Attempt a genuine review. No need to write about the summary or outline of the poem/ short story/ novel/ drama/movie, instead you need to write about why you find that particular work interesting .</p> <p>You can type your review and once you finish it, please click the turn in/ hand in option</p> <p>Also do not forget to write your name.</p>	<input type="checkbox"/> HANDED IN <input type="checkbox"/> Abhisek A Handed in <input type="checkbox"/> Adithya Sr Handed in <input type="checkbox"/> Akshara J M Handed in <input type="checkbox"/> Akshaya B Handed in <input type="checkbox"/> Amritha S Handed in <input type="checkbox"/> Anandhu S Vijay Handed in <input type="checkbox"/> Anjana S Handed in <input type="checkbox"/> Anju S.L Handed in <input type="checkbox"/> Anusree P Handed in

Remedial Teaching

This year witnessed the whole world being engulfed by the pandemic and its waves do affected Kerala too. With the aim of eradicating the covid 19 virus, the government proclaimed lockdown for more than a year. Along with other educational institutions, VTM NSS college also got closed for months. The institution tried its best in providing its students education through online facilities and considers this as an inspiration for the students in building strength to rise from the ashes. Through online education system, students were given a hand to stand up from the places they had been fallen due to the pandemic. The attempt was a picture that narrates the story of togetherness and nation building. Special consideration was given to those who are financially poor, who lack circumstances which helps in continuing education.

As part of this endeavour by the institution, the PG department of English also offered remedial classes to the slow learners who were identified through bridge courses.

PG Department of English offers remedial coaching to its BA main students every year and in the academic year 2020-21 too it has achieved its aim of giving extra coaching to the selected students. Slow learners were identified from each class and were given remedial classes for almost all the major papers. Some of the papers included were Introduction to Literary Studies, Popular Culture, Art and Aesthetics, Womens Writing, World Classics, Postcolonial Literature etc. The teacher in charge of the remedial coaching assigned teachers handling different papers to engage the topics, that the learners found difficulty in following, during free periods and after regular hours. Attendance was taken and test papers were conducted to test their levels of learning. As majority of the learners are from rural areas, remedial teaching offered by the department has succeeded in achieving its aim of supporting them in reaching the level, where they are able to compete with the advanced group of learners in the process of learning.

Language Lab

Language Lab under the PG Department of English functions as an aid in developing students' language skill. Listening exercises for under graduate students are performed here. It is a multi -purpose space where the audio-visual support provided by the lab enables it to function as a movie theatre for PG students too.

Add on courses

VTM NSS College, Dhanuvachapuram

PG Department of English

<i>Name of the Course</i>	<i>Course code</i>	<i>Duration</i>	<i>Number of students enrolled</i>
Spoken English and Soft Skill Development	EN 01	30 Hours 01/02/2023 to 04/03/2023	74 Boys: 24 Girls: 50
Eco- Writing	EN 02	30 Hours 21/02/2023 to 24/03/2023	30 Boys: 7 Girls: 23

REPORT OF ADD ON COURSE 2020-21

<i>Name of the Course</i>	<i>Course code</i>	<i>Duration</i>	<i>Number of students enrolled</i>
Spoken English and Soft Skill Development	EN 01	30 Hours 11/01/2021 to 02/02/2021	42 Boys: 10 Girls: 32
Eco-Writing	EN 02	30 Hours 15/02/2021 to 20/03/2021	31 Boys: 0 Girls 31

The post Graduate department of English, VTM NSS College, offered three Add on Courses during the academic year 2020-2021.

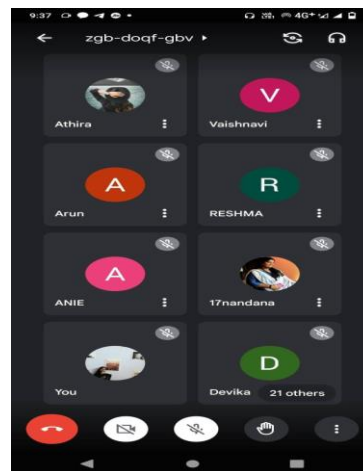
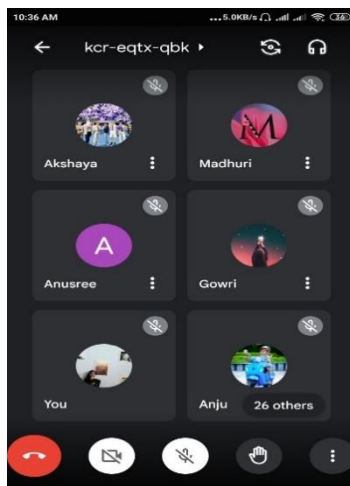
First course on Spoken English and Soft Skill Development (EN 01) was offered to students from under graduate programme in English. The programme objectives were

- Familiarizing students with English as a communicative language.
- Enhancing their ability in listening, speaking and presenting.
- Bettering effective and accurate communication in English
- Boosting confidence to use spoken language for various purposes.

42 students were enrolled to the programme. As the course was held against the Covid -19 pandemic situation, classes were offered online using Google meet platform. The programme



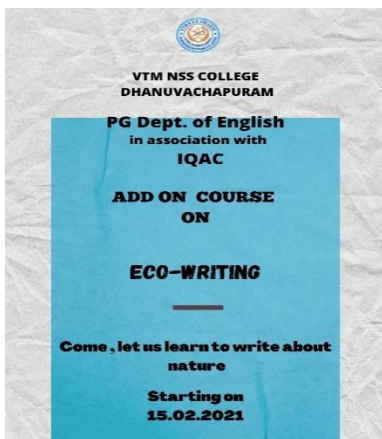
commenced on 11/01/2021 with an interactive session. The external faculty was Anup Viswanath, who acts as soft skill trainer with a previous experience of seven years. The rest fifteen hours were handled by Saranya K.V. and Arathi Lal B, Assistant professors from the Dept. of English.



After the completion of the programme participants were evaluated and certificates were provided to those who successfully completed the course. Evaluation was done offline. Along with an assessment of a student's classroom performance, teachers gave them on the spot activities like dialogues and role -plays to assess their improvement. Student feedback of the course was collected from participants. Students responded very positively to the course.

The second add on, Eco-Writing (EN 02) aimed introducing students to ecologically sensitive issues through literature. The course was offered to final year degree students and Post graduate students of our department. Major objectives of the course were

- To introduce major concepts related to eco-writing.
- To create ecological sensitivity in students through literature
- To create awareness regarding the growing genre of environmental writing.
- To develop a critical capacity in approaching environmental texts
- To boost creative writing talent of students through environmental texts



A total of 31 students were enrolled from both PG and final degree classes. Classes were held in a blended mode as the pandemic regulations were not completely lifted. Though a majority of students attended offline sessions, students with symptoms were given the option to attend classes through G Meet platform. The course began on 15.02.2021.

SPECIMEN CERTIFICATES



Spoken English and Soft Skill Development



Eco Writing



Peer Teaching

The Department of English, VTM NSS College, Thiruvananthapuram makes sure that students are involved in Peer Teaching- Learning. The programme gives students of senior classes the opportunity to tutor their juniors who will be novice to the subject. Peer teaching ensures direct interaction between students and it further helps peer teachers to reinforce their own learning. It allows for greater understanding of the subject and also works better to build very supportive relationships between students. Varied subjects will be introduced to the target group by different tutors of the senior batches.

The Department of English, VTM NSS College, Thiruvananthapuram makes sure that students are involved in Peer Teaching- Learning. The programme identifies advanced learners of senior classes and gives them the opportunity to tutor their juniors who are novice to the subject. Peer teaching ensures direct interaction between students and further it helps peer teachers to reinforce their own learning. It allows for greater understanding of the subject and also works better to build very supportive relationships between students.

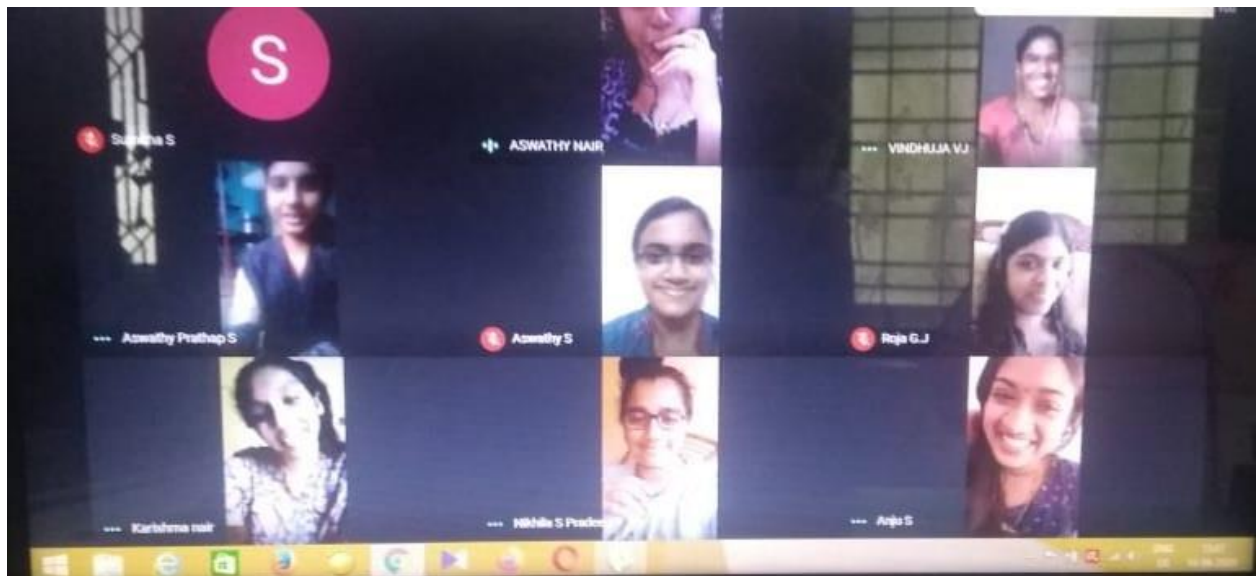
Covid-19 created extra ordinary conditions for the year 2020-2021 and thus the usual pattern, frequency and preferences for student teachers were to be changed. Within the restrictions and unpredictability of the situation, our students managed to give and receive some knowledge.

2020-21

Students of fourth semester MA took class for semester five BA students.

NAME	TOPIC
ANAKHA KRISHNA U S	Formatting of degree project and arrangement of data of research.
ANCHU V M	
ANJU S	
ARATHI G	
ASWATHY NAIR A S	

ASWATHY PRATHAP S	
ASWATHY S	
GAYATHRI B	
GEETHU GOPAN	
KARISHMA NAIR N	
KEERTHANA P V	
NIKHILA S P	
ROJA G J	
SANDRA VINCENT	
SIVAPRIYA J S	
SOORYA C R	
SREEHARSH S S	
SUMITHA S	
VINDHUJA V J	
KEERTHANA P V	
NIKHILA S P	
ROJA G J	



Satellite Group Study

Department of English, VTM NSS College, Dhanuvachapuram, Thiruvananthapuram as part of our efforts to ensure the academic and personal development of our students, introduced Satellite Group Study System into our classrooms. It aims to improve communication skills of the students and stronger bonds among them. During the first semester, students are put in groups, for each they will have a leader to coordinate. It is ensured that every group is an assortment of learners of different strength and speed so that the benefits of the programme reach every type of students. They are supposed to meet together during free time and plan activities related to their academic and communicative needs. Once a group is formed, it shall continue till the completion of their course i.e. right to sixth semester. Discussions and other engagements with their peers that occur with satellite grouping works as a major confidence boost for students.

The batches active in the academic year of 2020-21 are given below:

Department of English, VTM NSS College, Dhanuvachapuram, Thiruvananthapuram as part of our efforts to ensure the academic and personal development of our students, introduced Satellite Group Study System into our classrooms. It aims to improve communication skills of the students and stronger bonds among them. During the first semester, students are put in groups, for each they will have a leader to coordinate. It is ensured that every group is an assortment of learners of different strength and speed so that the benefits of the programme reach every type of students. They are supposed to meet during free time and plan activities related to their academic and communicative needs. Frequent discussions and programmes with their peers that occur with satellite grouping works a major confidence boost for students.

The batches active during 2020-2021 are given below with their respective group division.

2018-2021

Students are grouped as per the below mentioned list for the 2018-2021 batch.

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
Athira A.	Abhirami R.J.	Archana S.A.	Anoop S.L.	Aparna S.P.	Amal A.B.

Athira A.S.	Sweeshma Raj C.S.	Aswani A.B.	Abhijith V.	Surabhi S.S.	Bibin Sam
Akhila A.S.	Sobha S.	Harsha P.B.	Akhil M.A.	Kavya Vijayan S.	Midhu Mohan
Charutha B.L.	Athira A.S.	Jinisha S.P.	Gopika Nirmal L.	Pavithra P.	Abhedhya M.S.
Gauthami A.S.	Adhithi P.	Reshma R Binu	Karthika Gopan S.	Vignesh M.G.	Aiswarya R. Kumar
Gopika Raju N.R.	Annie S.V.	Jayanarayanan M.B.	Krishna Priya S.	Ajithkumar S.	Ancy G.K.
Sruthi Bala C.	Arundhati S Nath	Karan S. Prince	Yadu Krishnan	Aromal S.A.	Adithya D.S.
Arun Chandran R. S.	Arya S.K.	Aniston P	Aravind A.P.	Arun P.S.	Vignesh M.G.
Aravind D. B	Siju S.L.	Shibin M	Akash V.R.	Abhin S. Dev	Amal A.B.
<u>Group Leader:</u> Geethu S.S.	<u>Group Leader:</u> Ancy S. Brijit	<u>Group Leader:</u> Gopika J.J.	<u>Group Leader:</u> Anjana Krishna A.S.	<u>Group Leader:</u> Surya B.M.	<u>Group Leader:</u> Varsha Gopan R.

2019-2022

Students are grouped as per the below mentioned list for the 2019-2022 batch.

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
Abhijith M.A.	Athira U.R.	Reshma Raju L.	Aniyan U.S.	Jishnu D Vinod	Radhika Krishna R.S.

Ajilesh R Nair	Bhavapriya P Hari	Reshma S.	Anuja A.	Karthik M.	Rahul Balu Kesav B.R.
Amal Krishna A.P.	Rekhil K.S.	Sneha Mohan M.J.	Archana S.S.	Krishnaveni H.S.	Revu B.M.
Ananthan P.	Hima B.S.	Sreelekshmi P.C.	Arsha J.S.	Maya M Nair	Sarathy Gopal V.S.
Anjana U.R.	Jyothika R.A.	Sreerag S.S.	Athira S.S.	Meenu M.S.	Sharath Kumar S.S.
Anusree K.S.	Nandana B.S.	Surya Krishna S.L.	Devika Sivan	Meera Mohan M.S.	Soorya P. G. Nair
Aparna S.R.	Nandana B.S.	Abhina S Mohan	Gayathri J.S.	Nandana U.	Vaishnavi S.
Arunchandran C.R.	Nandana T S.	Akhil A.S.	Gopika V.J.	Padma Prasad P.A.	Vishnu S
Arya S John	Praveena P Raj	Anamika Karthikeyan	Jidu S Chandran	R.Ajayakrishnan	
<u>Group Leader:</u> Annie G.L.	<u>Group Leader:</u> Devika B.H.	Group Leader: Shilpa Justus S.	Group Leader: Jayalekshmi V.V.	Group Leader: Manya S.M.	Group Leader: Sruthy P.G.

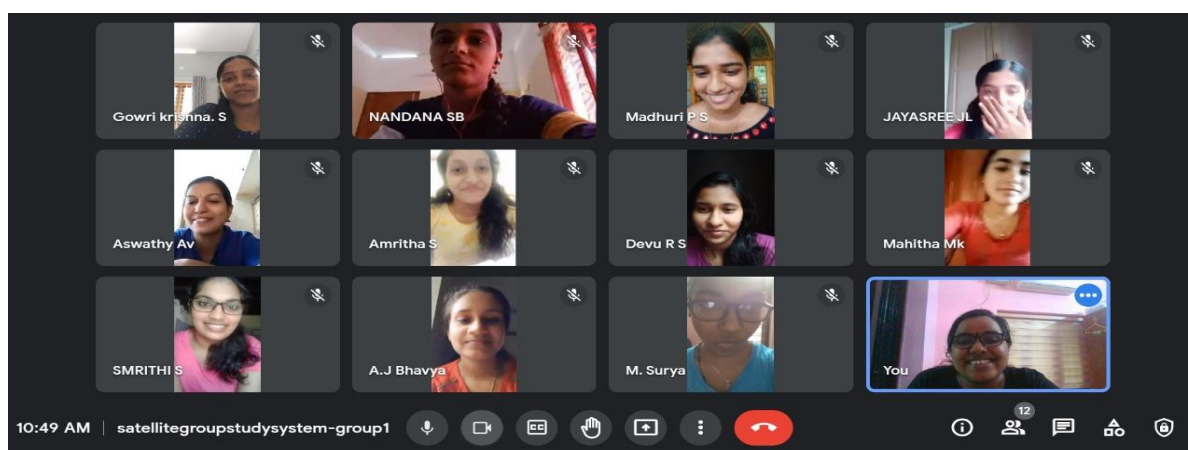
2020-2023

Students are grouped as per the below mentioned list for the 2020-2023 batch.

Group 1	Group 2	Group 3	Group 4	Group 5
Akshaya B.	Anusree P.	Nandana S.B.	Abhiram S.	Abhishek A.
Akshara J.M.	Athira S.D.	M.Surya	Anandhu Vinod	Vishnu J.R.
Anjana S	Kavya A.S.	Devu R.S.	Adarsh B.L.	Sudhin S.
Anuraga S.L.	Varsha W.S.	Gowri Krishna	Vishnu R.S.	Joshua A.S.

Ashli Das	Devika B Murali	Madhuri P.S.	Gokul G.	Gokul David
Devika S.	Vijitha L.	Amritha A.S.	Nikhil S.	Anandhu S.R.
Jisma M.R.	Sivakami	Smrithi S.	Vignesh V.M.	Akshay
Vismaya J.S.	Anju J.	Jayasree J.L.	Sumith S Nair	Karthik Krishnan
Lekshmi S	Anchu S.L.	Aswathy A.V.	Anandhu S Vijay	Mahendran S.G.
Athira A.S.	Adithya	Mahitha M.K.	Beno Joseph	
	Achu J.U.			
<u>Group Leader:</u> Anusree B.A.	<u>Group Leader:</u> Nikhitha S.S.	<u>Group Leader:</u> Bhavya A.J.	<u>Group Leader:</u> Aswin A.S.	<u>Group Leader:</u> Vijay M.L.

The unforeseen pandemic situation did play havoc with the conduct of programmes. But our students managed to meet and do some fruitful work for the year.



PTS MEETINGS 2020-21

The Department of English convenes PTS meetings for every semester, thereby ensuring the participation of parents in the academic process of their wards during their term in the college.

Academic excellence is not the sole output of institutional facilitation. It demands a complete monitoring from the parents towards their wards so that the occasional setbacks during each semester can be successfully rectified. Students are the backbone of every academic institution; no matter how productively the faculty thrives, the constructive intervention of students in the learning and evaluation procedures is a kernel element in increasing the wholesome scholastic output of both the institution and society at large.

During the academic year 2020-2021, the Department organized PTS meeting for all the semesters. The tutors were instructed to convene meetings as per the decisions taken during the respective department meetings. The agenda mainly focused on monitoring the academic performance especially the progress of each student after assessing the university results of respective semesters. The tutors after seeking the prior sanction regarding the schedule inform their respective classes and the parents. The meetings were conducted via online mode, chiefly due to the pandemic and lockdown using the platform Google Meet. The Head of the Department presided the meeting, the tutors briefed the agenda and both the students and parents were given proper space to vent out their concerns and grievances. Action taken report was prepared accordingly after consulting the decisions made during the respective meetings.

Student Achievements

Student Progression 2020-21

I. List of Students Progressed to Higher Studeies

22 students from the Department progressed to higher studies, out of which two students from 2018-20 MA Batch, Vindhuja V J and Aswathy Nair A S joined M.phil in MS University, Tamil Nadu. 14 students from 2017-20 BA batch and 2 from 2016-19 batch joined for MA English Language and Literature in various colleges and 4 students joined for B. Ed.

Name of student enrolling into higher education	Program graduated from	Name of institution joined	Name of programme admitted to
VINDHUJA V.J.	MA	MS University, Tamilnadu	M Phil
ASWATHY NAIR A.S	MA	MS University, Tamilnadu	M Phil
JISHA M	BA	VTM NSS College Dhanuvachapuram	MA

RESHMA G R	BA	VTM NSS College Dhanuvachapuram	MA
SANDHRA S	BA	MG College, Trivandrum	MA
ARUNDHATHI G M	BA	Christ Nagar College, Maranalloor, TVM	MA
AARCHA G L	BA	Sree Ayyappa College for Women,	MA
GEETHU G M	BA	VTM NSS College Dhanuvachapuram	MA
PRADHAMA A J	BA	Mother Theresa College, Nellikadu, TVM	MA
ANJANA JAYAN	BA	Christ Nagar College, Maranalloor, TVM	MA
POURNAMI M	BA	HHMSPB NSS College, Neeramankara, TVM	MA
SARANYA S	BA	VTM NSS College Dhanuvachapuram	MA
ANU M J	BA	School of Distance Education, KU	MA
SURYA GAYATHRI S S	BA	Christ Nagar College, Maranalloor, TVM	MA
VIJAYASURYA V V	BA	School of Distance Education, University of Kerala	MA
RAHUL SURESH	BA	MG College, Trivandrum	MA
NANDANA A S	BA	VTM NSS College Dhanuvachapuram	MA
SILPA J S	BA	VTM NSS College Dhanuvachapuram	MA
ANGEL M EDWIN	MA	BNV College of Teacher Education	B Ed
SREELEKSHMI P B	MA	PTM College of Education	B Ed
DEEPAK C G	MA	Ruben College of education	B Ed
SREEHARSH S S	MA	PTM College of Education	B Ed

II. Students who Qualified Competitive Examinations

Aswathy Prathap from 2018-20 Batch qualified NET Exam and Aruna Anand of 2016-18 batch qualified the JRF and brought laurels to the department.

Year	Registration number/roll number for the exam	Names of students selected/ qualified
		NET
2020-21	KL 1751000541	Aswathy Prathap S
	KL 1750900571	Aruna K Anand (JRF)

III. STUDENTS WHO GOT PLACEMENT/JOB

Sreelekshmi J M of 2017-19 Batch got appointed as Assistant Professor in the Department of English, Malankara Catholic College, Kaliyikkavilai, Kanyakumari.

Year	Name of student placed and contact details	Program graduated from	Name of the employer with contact details	Pay package at appointment
2020-2021	SREELEKSHMI J M	MA	ASSISTANT PROFESSOR	15000
	Sree Bhavan, PullentheriKarakkonam		DEPARTMENT OF ENGLISH	
			MALANKARA CATHOLOIC COLLEGE,	
			KALIYIKKAVILAI, KANYAKUMARI	

Sports

S.No	Name of the Student	Event	Achievement
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SC/S T	1	2	20	8	80	2	1	M	6	8	4	0	0	0	0	1	1	0	8
	0						0	H											
							0	T											
Sport s	1	1	100	0	0	0	0	M	0	0	0	0	0	0	0	1	0	0	0
							0	H											
							0	T											
Total	4	2	50	24	50	7	3	M	1	2	13	2	0	1	1	6	3	0	2
	8	4						H	6	3					4				4
							0	T											

*including community merit and PWD

M-Malayalam H-Hindi

T- Tamil

PG 2018 Admission

No.	Register No.	Name	Sem 1	Sem 2	Sem 3	Sem 4	Total	Percentage	Category of Passing
1.	53018145001	ANAKHA KRISHNA U S	253	281	276	435.5	1245.5	69.19444	1st CLASS
2.	53018145002	ANCHU V M	223.5	250.5	241.5	407	1122.5	62.36111	1st CLASS
3.	53018145003	ANJU S	249	275	265	406.5	1195.5	66.41667	1st CLASS
4.	53018145004	ARATHI G	256.5	277	305.5	446	1285	71.38889	1st CLASS
5.	53018145005	ARYAKRISHNAN A R	257	276	283.5	0	816.5	Discontinued	
6.	53018145006	ASWATHY NAIR A S	243.5	276	287.5	410	1217	67.61111	1st CLASS
7.	53018145007	ASWATHY PRATHAP S	293.5	280	299	426.5	1299	72.16667	1st CLASS
8.	53018145008	ASWATHY S	248.5	260	268	395.5	1172	65.11111	1st CLASS
9.	53018145009	GAYATHRI B	218.5	226	233.5	377	1055	58.61111	2 nd CLASS
10.	53018145010	GEETHU GOPAN	240.5	255.5	278	395	1169	64.94444	1st CLASS

11.	53018145011	KARISHMA NAIR N	233.5	268.5	264.5	413	1179.5	65.52778	1st CLASS
12.	53018145012	KEERTHANA P V	260	273	267	409.5	1209.5	67.19444	1st CLASS
13.	53018145013	NIKHILA S P	217.5	226.5	247.5	388.5	1080	60	1st CLASS
14.	53018145014	ROJA G J	261	263.5	293.5	420.5	1238.5	68.80556	1st CLASS
15.	53018145015	SANDRA VINCENT	256.5	208.5	267	0	732	Discontinued	
16.	53018145016	SARANYA S L	DISCONTINUED						
17.	53018145017	SARATHLAL S							
18.	53018145018	SIVAPRIYA J S	250	266.5	274.5	411.5	1202.5	66.80556	1st CLASS
19.	53018145019	SOORYA C R	258	253.5	262	417	1190.5	66.13889	1st CLASS
20.	53018145020	SREEHARSH S S	209	0	0	374	583	F	
21.	53018145021	SUMITHA S	243	240	259	404	1146	63.66667	1st CLASS
22.	53018145022	VINDHUJA V J	208.5	229.5	235.5	406.5	1080	60	1st CLASS

Programmes Organized

Media Workshop: Writing for the Print Media

An Off-line media workshop on Writing for the Print Media, in association with the PG Department of English and IQAC was conducted by the Media Club on 18th March 2021 at Room no. 119. The session was inaugurated by Dr.V.M.Anandakumar, Principal , VTM NSS College, who reminded the students the need to develop a critical attitude towards the artistic world around us. Renowned film critic and media person Shri. N.P.Muraleekrishnan was the resource person who introduced the patterns of writing news for print medium. He also detailed the methods to evaluating movies on the purview of World classics, stating examples from both Indian and International arena. Media club members and both UG and PG students of the department actively participated in the interactive session. Of the 40 participants 37 were girls and 3 were boys.

No. of participants: 40

No. of girls: 37

No. of boys: 3

No. of teachers: 3

Co-ordinators: Ms. Arathi Lal, Ms. Saranya K.V.

Outcome: The students were able to get firsthand knowledge about the nature of works associated with print medium. They were also able to improve their taste of reading and appreciating movies.

Writing for the Print Media
MEDIA WORKSHOP

VTM NSS COLLEGE
Dhanuvachapuram

THE PG DEPARTMENT OF ENGLISH
in association with
THE MEDIA CLUB
and
IQAC

Resource Person:
N. P. Muraleekrishnan
Media Person, Writer

On 18/03/2021, Thursday
@ 10.00 am
Venue: Room no. 119

SCHEDULE

MC : Ms. Anjana Anil S.
Welcome : Ms. Arathi Lal B.
(Programme Coordinator)
Presidential Address: Ms. Lakshmi Menon
(HoD in Charge)
Inaugural Address : Dr. V.M. Anandakumar
(Principal)

Media Workshop on Writing for the Print Media by Mr. N. P. Muraleekrishnan

Vote of Thanks : Ms. Saranya K.V.
(Programme Coordinator)

Organizing Committee:
Dr. Asha K., Dr. Sigma G.R., Ms. Chithra Mohan, Ms. Parvathy G., Ms. Shama Pillai, Ms. Gayathri Menon K., Ms. Anjali R., Ms. Aswathy G.

Media Club Members: Dr. Susmitha O.V., Dr. Pramod N., Dr. Manjula K.G., Ms. Sumitha R., Mr. Ravisankar R.S.





Expert Lecture series 1 Report

VTMNSS college, Dhanuvachapuram

30th Jan,2021

Objectives

The lecture aimed

1. at creating an outlook on the literatures of other languages
2. to help them compare the culture, societal structure, linguistic changes and political milieu of a different knowledge sphere
3. to enjoy reading and analysing all kinds of intellectual and avantgarde movements

A memorable Expert Lecture series 1 was organised by the PG Dept of Eng at 7 PM on Saturday 30 January, 2021 through Google meet platform. The main purpose of the meet was to launch an initiative to gather in academics from the intellectual sphere with the sole perspective of sharing their thoughts with the learners of the department. Dr. I Sheeja Asst Professor: Dept of Malayalam, NSS College for Women, Neeramankara was the resource person. Her expert lecture was on the topic Comparative Literature. The lecture has surely given an insight for the attendees to contemplate and discuss the myriad visages of the topic. The organising committee for the programme included Dr.VM.Anandakumar, Principal, VTM NSS College, Dhanuvachapuram and Dr.Sigma GR, Head Dept of English. The host and coordinator was Gayathri Menon.K, Asst Professor of the Department of English.

Outcome

The students were able to imbibe a picture of Malayalam literature and its cultural background. The lecture helped them compare the nuances of Malayalam language with that of English. It also acted as a facilitator from the exam point of view as they received ideas on how to deal with an exam on comparative literature.

VTM NSS COLLEGE DHANUVACHAPURAM



PG DEPARTMENT OF ENGLISH
(in association with IQAC)

Expert Lecture Series-1

Resource Person

Dr. I. Sheeja
Assistant Professor
Department of Malayalam
NSS College for Women
Neeramankara

Comparative Literature

30 January 2021

Saturday

7PM
Google Meet

Organising Committee

Dr. V M Anandakumar
Principal

Dr. Sigma GR
Head
Dept of English

Gayathri Menon K
Assistant Professor
Dept of English
(Host &
Co-ordinator)

THE ALUMNI

The PG Department of English in collaboration with the IQAC of the college conducted a Distinguished Alumni Lecture on 30.03.2021.

Objectives

1. Share their student days experience about the college.
2. Inform the college the benefits of having studied in this college.

The members in the organizing committee

1. The Principal of the college Dr. V.M. Anandakumar
2. The HOD of the English Department, Dr. Sigma G.R
3. The IQAC Coordinator, Ms. Shama Pillai
4. The Event Coordinator Chitra Mohan (Asst. Prof in English at VTM NSS College, Dhanuvachapuram)
5. Ms. Anjali R (Asst. Prof in English at VTM NSS College, Dhanuvachapuram)

Due to the pandemic the college had to conduct the Distinguished Alumni Lecture via the Google Meet Platform. The Event Coordinator Chitra Mohan welcomed everyone to the Google Meet Platform and to the Distinguished Alumni Lecture. Next, the Principal Dr. V.M. Anandakumar gave the Presidential Address stating the significance of the college having an Alumni. The Principal encouraged the Alumni to get hold of all the previous students and conduct such Alumni lectures and meetings in the future as well. The HOD of the English Department, Dr. Sigma G.R shared her experiences in the college and stated that as a teacher if she could feel peaceful in the campus as a teacher and HOD of the English department, she wonders at times how students who studied in the campus feel after passing out. Shama Pillai, the college's IQAC Coordinator felicitated the occasion. Being the IQAC Coordinator and Assistant Professor in English at VTM, Shama Pillai said how it was wonderful working in VTM alongside the Principal Dr. V.M Anandakumar who guides her every step as the IQAC Coordinator of the college. She felt that those who are now part of the Alumni must have at some point received the same feel.

The Distinguished Alumni Lectures were given by

1. Dr. Ajithkumar J.N (Head of the Dept, Govt. College for Women)
2. Dr. Kavitha B.K (Asst. Professor, Govt. College for Women)
3. Dr. Smithi Mohan (Asst. Professor, Govt. College for Women)

During the Distinguished Alumni Lectures the three distinguished members of the alumni shared their experiences while studying at VTM NSS College, Dhanuvachapuram. Dr. Ajithkumar praised the campus and the teachers who taught him. He said that the English department teachers during his time were strict but at the same time very supportive and encouraging. Overall, he loved the way the teachers of the English department handled the subject and how they inspired him a lot. Dr. Kavitha B.K also spoke of the academics in the campus and the non-academics on the campus. Dr. Kavitha remembered the food fest that was conducted when she was studying at VTM and a literary fest which was also conducted. She stated how she enjoyed participating in the literary fest. Dr. Kavitha also reminisced about their tour to Bangalore, Mysore, Coorg. Dr. Smithi Mohan mentioned that she missed the campus. Dr. Smithi Mohan always felt that VTM NSS was always a welcoming campus if she came on time to class. Teachers were approachable and how doubts could be clarified without fear. She stated that unlike these days when students do not approach teachers to clarify their doubts, during her times at VTM teachers were very approachable to discuss both academic and non-academic activities. Dr. Smithi Mohan also remembered the tour to Bangalore, Mysore, Coorg.

Event Coordinator Anjali R. (Asst. Prof VTM NSS College, Dhanuvachapuram) concluded the meeting with the vote of Thanks. She thanked everyone for taking their time off to make this Distinguished Alumni Lecture a grand success. Dr. Ajithkumar J.N, Dr. Kavitha B.K and Dr. Smithi Mohan also thanked their English department teachers for inspiring them to become college lecturers. All the three mentioned how they enjoyed their work as a teacher. Dr. Ajithkumar J.N stated that while studying in the campus, he never imagined that one day he would become the Head of the English Dept, Govt. College for Women, Trivandrum.

Outcome

The Distinguished Alumni Lecture brought out memories about the college. It felt good to hear the Alumni speak so highly about their institution. It was also nice to know that the English Department teachers had inspired these three members of the Alumni to take up teaching as their career.



PG Department of English
IQAC

DISTINGUISHED ALUMNI LECTURE



Dr. Ajithkumar J. N.



Dr. Kavitha B. K.



Dr. Smithi Mohan

ORGANIZING COMMITTEE



Dr. V.M. Anandakumar
Principal



Dr. Sigma G. R.
Head of the Dept.



Ms. Shama Pillai
IQAC Coordinator



Ms. Chithra Mohan
Event Coordinator



Ms. Anjali R.
Event Coordinator

Platform: Google Meet
30.03.2021 @ 7pm

1:52 PM

Programme Schedule

Welcome	:	Chithra Mohan (Event Coordinator)
Presidential Address	:	Dr. V.M. Anandakumar (Principal)
Inaugural Address	:	Dr. Sigma G. R. (Head of the Department)
Felicitation	:	Shama Pillai (IQAC Coordinator)
Distinguished Alumni Lectures:		Dr. Ajithkumar J. N. (Head of the Dept., Govt. College for Women) Dr. Kavitha B.K. (Asst. Professor, Govt. College for Women) Dr. Smithi Mohan (Asst. Professor, Govt. College for Women)
Vote of Thanks	:	Anjali R. (Event Coordinator)

Our Team

Dr. Asha K., Lakshmi Menon, Parvathy G., Gayathri Menon K.,
Saranya K.V., Aswathy G., Arathi Lal B.

NATIONAL WEBINAR



VTM NSS
College Dhanuvachapuram

PG Department of English
organizes

NATIONAL WEBINAR ON
19TH AUGUST 2020, 10AM - 11.30AM

ENGLISH BLUES

Our Speaker



DR. ALBERT P'RAYAN
ELT CONSULTANT, COLUMNIST, TEACHER TRAINER

Organizing Committee



Dr. Ananda Kumar V M
Principal



Dr. Sigma G.R.
Head in Charge
Co-ordinator



Arathi Lal B.
Host, Asst. Professor
Co-ordinator

Webinar Committee Members

Lakshmi Menon, Chithra Mohan, Parvathy G., Shama Pillai, Gayathri Menon,
Anjali R., Saranya K.V., Aswathy G.

Contact: deptengvtmnss@gmail.com
8075851788

Platform

Google Meet

The study of contemporary literary theories and its application in interpreting literary works has become indispensable as this multifaceted approach to literature renders a rewarding experience. The discipline of literary critical theory offers a premise of examining, understanding and synthesizing the knowledge embedded in creative writing. So, PG and Research Department of English, VTM NSS College, Dhanuvachapuram organized a One Day National Webinar titled “English Blues” on 19 August 2020 to lend a platform to deliberate upon the precepts and practice of critical theory and to foreground a systematic explanation of practices in a broader framework.

The views expressed and explored on this platform by the resource persons and paper presenters made the audience rethink ideas on how AI influences and proves to be a boon to

mankind. The Conference owes its success to the able guidance of Principal Dr. V M Anandakumar, and the hard work put in by the HOD of English department, Dr Sigma GR and the coordinator Arathilal B. Dr Albert P'rayan, ELT Consoultant, Columnist and Teacher Trainer, inaugurated the Conference. The Conference and its proceedings are a step towards making those involved and present more aware of the AI possibilities we encounter. The views and discussions made the audience see how the concept of AI can be reshaped through active questioning and participative action.

A total number of 110 participants including Heads, Associate/Assistant Professors and Students of P.G. (English) participated in the seminar. At the outset, the seminar provided both the teachers and students an opportunity to understand and acquire skills needed to engage with contemporary, theoretically informed writing in literary and cultural studies. It also helped them to familiarize some of the most influential writers of the 20th and 21st centuries and made them informed of major theoretical movements including structuralism, poststructuralism, modernism, postmodernism, Marxism.

Annual Report 2021-2022

PG Department of English

Year of Establishment: 1964

Courses Offered: BA English Language and Literature

MA English Language and Literature

History

The Department of English has been an essential part of the college since it was established in 1964. The English Department consists of PG and UG in English Language and Literature. With the introduction of the BA English course in 1967, it became a full fledged department and it is blessed with a vibrant group of enterprising teachers and dedicated students. It is also a department that provides General English/ foundation courses to students of other majors. Department encourages students in their choice of career and give training to develop interest to improve language skills. Our academic plan for 2021-22 actively engages learners at all levels. The English Department supports faculty mentoring, academic activities, remedial teaching for slow learners etc. Faculties are trained in digital studies and they teach online/hybrid courses using ICT.

Vision

The Department of English aims at transforming the learners into rational human beings with an inquisitive and argumentative bent of mind through literary, theoretical and linguistic approaches.

Mission

The department envisions the healthy and positive cultural growth of the students for the better social, economic, political and cultural environment in the country. We believe in the multiethnic, multicultural, multi religious texture of our country. Accordingly, we strive to shape and reshape the attitudes of the students compatible to these diversities in order to strengthen the democratic spirit of our country.

Report 2021-2022

Annual Student Intake

PG: 20

UG: 60

Students admitted to first year during 2012-22

PG: 18

UG: 52

Total number of boys (all batches) – UG: 60 ; PG: 4

Total number of girls (all batches) – UG: 100 ; PG: 33

Total number of differently abled students (all batches) – 5

Total number of students from other states – 1

Total number of students – 197

Number of full-time teaching posts– 10

Faculty, staff and student details

Sl No	Name	Designation
1.	Dr. Asha K.	Assistant Professor
2.	Dr.Sigma G. R.	Assistant Professor & Head
3.	Parvathy G.	Assistant Professor
4.	AnilaChandran	Assistant Professor
5.	Dr.Meera Rachel Selvaraj	Assistant Professor
6.	Shama Pillai	Assistant Professor
7.	GayathiMenon K.	Assistant Professor
8.	Saranya K. V.	Assistant Professor
9.	Aswathy G.	Assistant Professor
10.	ArathiLal B.	Assistant Professor
11.	Gopika Nair	Guest Faculty (DOJ: 15/11/2021)
12.	AswathyPratap	Guest Faculty(DOJ: 13.12.2021)

Department Level Committees

Class in charge

PG

Sl.No.	Batch	Tutor
1.	Semesters 3&4	Aswathy G.
2.	Semesters 1&2	Parvathy G.

UG

Sl. No.	Batch	Tutor
1.	Semesters 5&6	Shama Pillai & Gayathri Menon
2.	Semesters 3&4	Anila Chandran & Gopika Nair
3.	Semesters 1&2	Dr. Meera Rachel Selvaraj, Saranya K. V. & Arathi Lal B.

General English

Semester 3&4

Sl. No.	Batch	In charge
1.	English	Parvathy G.
2.	Malayalam	Shama Pillai
3.	Political Science	Gopika Nair
4.	Economics	Parvathy G
5.	History	Gayathri Menon

6.	Mathematics	AnilaChandran
7.	Physics	Dr. Sigma G.R.
8.	Chemistry	Aswathy G.
9.	Botany	Saranya K.V.
10.	Zoology	ArathiLal B.
11.	Commerce	Dr.Meera Rachel Selvaraj

Semesters 1&2

Sl. No.	Batch	In charge- Paper 1	In charge- Paper 1
1.	English	AnilaChandran	GayathriMenon
2.	Malayalam	GayathriMenon	GayathriMenon
3.	Political Science	Aswathy G	Aswathy G
4.	Economics	Shama Pillai	Shama Pillai
5.	History	Dr.Sigma G.R.	Dr. Sigma G.R.
6.	Mathematics	Parvathy G.	ArathiLal B.
7.	Physics	ArathiLal B.	ArathiLal B.
8.	Chemistry	Dr.Meera Rachel	Dr.Meera Rachel
9.	Botany	Gopika Nair	Gopika Nair
10.	Zoology	Saranya K.V.	Saranya K.V.
11.	Commerce	AnilaChandran	

Faculty Advisors in College Level Administrative Committees

Sl. No.	Name	Administrative Assignment
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1.	Dr.Asha K.	
2.	Dr. Sigma G.R.	NAAC Steering Committee member
3.	Parvathy G.	Literary Club Convener
4.	AnilaChandran	Career and Counselling Cell Convener
5.	Dr.Meera Rachel	
6.	Shama Pillai	IQAC Coordinator
7.	GayathriMenon	IQAC Member, Internal Exam Committee Convener
8.	Saranya K.V.	Nature Club Convener
9.	Aswathy G.	Advanced Learners Forum Convener
10.	ArathiLal B.	Media Club Convener

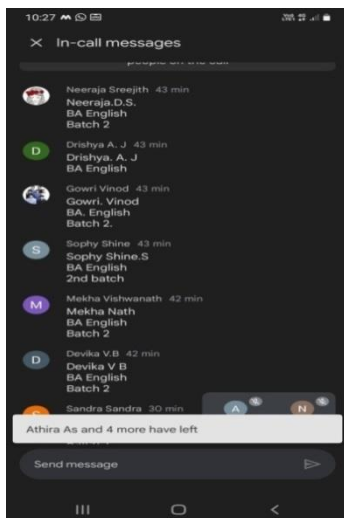
Department Level Activities

Bridge Course

The PG Department of English has designed the respective syllabus for bridge course with the objective of catering the specific pre-requisites of the course BA English Language and Literature. The course acts as an entry level academic engagement for the first year graduates at the onset of their course. Students from diverse academic streams, like Commerce, Physical/Life Sciences and Humanities/Social Sciences need a basic level understanding of liberal arts and literature. They must be provided with an outlook of developing the right approach towards studying literature which is entirely distinct from Science or other disciplines. The evaluation procedure performed at the end of bridge course is also one among the key indicators for determining the learning levels of students.

The syllabus of the bridge course for the academic year 2021-22 is designed as per the programme outcomes of the newly revised university syllabus of BA English Language and Literature, with particular emphasis on the socio-political and literary history of English literature; thereby intends to help the students in appreciating and identifying the texts in the respective socio-political/historical contexts.

Bridge course for the academic year 2021-22 is conducted mainly via online mode, using Google Meet. The live sessions were coordinated by Ms.Aswathy G. and were handled by the teachers within the department as per the pre-designed time table. The classes were mainly hybrid, blending both conventional lectures and interactive classroom discussions eliciting responses from the students thereby making the classes more participatory. The assessment procedure was also conducted in an eclectic mode using both participatory mode (through eliciting direct classroom responses) and conventional test papers (descriptive).



Remedial Teaching

PG Department of English offers remedial coaching to its BA main students every year and in the academic year 2021-22 too it has achieved its aim of giving extra coaching to the selected students. Slow learners were identified from each class and were given remedial classes for almost all the major papers. Some of the papers included were Introduction to Literary Studies, Popular Culture, Art and Aesthetics, Womens Writing, World Classics, Postcolonial Literature etc. Ms.GayathriMenon, teacher in charge of the remedial coaching assigned teachers handling different papers to engage the

topics, that the learners found difficulty in following, during free periods and after regular hours. Attendance was taken and test papers were conducted to test their levels of learning. As majority of the learners are from rural areas, remedial teaching offered by the department has succeeded in achieving its aim of supporting them in reaching the level, where they are able to compete with the advanced group of learners in the process of learning.

Language Lab

The PG Department of English is in possession of a multi-purpose Language Lab which functions as an aid in developing students' language skill. Listening exercises for under graduate students are performed here. The audio-visual support provided by the lab enables it to function as a movie theatre for PG students too.

Academic Programme Committee

Our department also has an Academic Programme Committee which is monitored by the Head of the Department Dr.SigmaG. R. The decisions regarding all academic activities are discussed and finalized through timely department level meetings. The committee also conducts regular academic audits and directs the management of internal examinations.

ADD ON COURSE (2021-22)

<i>Name of the Course</i>	<i>Course code</i>	<i>Duration</i>	<i>Number of students enrolled</i>
Soft skill for Employability	EN 01	30 Hours 24/11/2021 to 11/12/2021	59 Boys: 17 Girls: 42
Ecofeminism: Basics	EN 02	30 Hours 21/02/2022 to 26/03/2022	50 Boys: 5 Girls: 45

The post Graduate department of English, VTM NSS College, offered two Add on Courses of 30 hour duration during the academic year 2021-22 for the students of English Department.

Soft Skill for Employability (EN 01).

Equipping students in the current scenario of competent job market is essential part of education. Employability of a candidate depends on various variables. Along with academic scores many other factors are decisive in the progression of a student to job scenario. In order to help students acquire such a competency in job related soft skills, PG Department of English offers an Add On course on Soft Skill for Employability.

The programme objectives were

- To help enhance soft skill and interpersonal skills of students.
- Enhancing their ability in listening, speaking and presenting.
- Bettering effective, confident and accurate communication in English.

Fifty nine students were enrolled to the programme. As the course was held against the Covid -19 pandemic situation, classes were offered online using Google meet platform. The course offered classes for thirty hours of which fifteen hours were handled by external faculty and the rest 15 hours were handled by teachers from the department. The external faculty was AnupViswanath, who acts as soft skill trainer with a previous experience of seven years. The rest fifteen hours were handled by Saranya K.V. and ArathiLal B, Assistant professors from the Dept. of English.

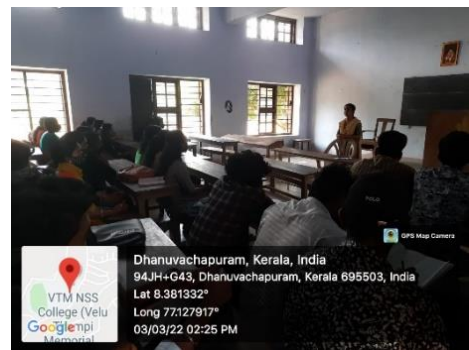
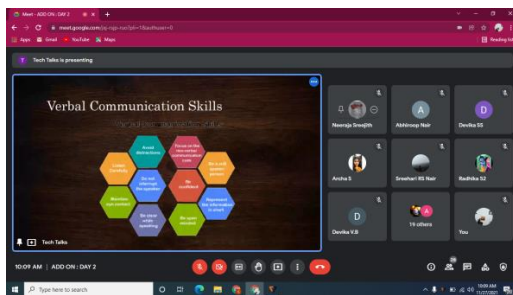
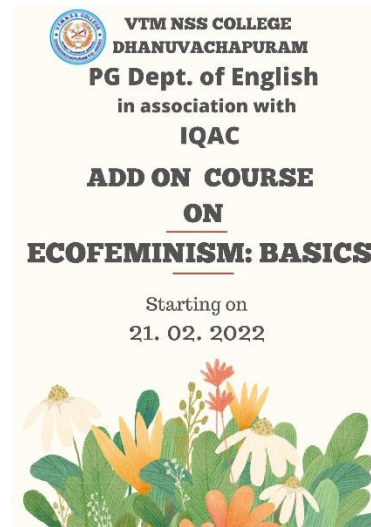
After the completion of the programme participants were evaluated and certificates were provided to those who successfully completed the course. Evaluation was done offline. Along with an assessment of a student's classroom performance, teachers gave them on the spot activities like dialogues and role -plays to assess their improvement. Student feedback of the course was collected from participants. Students responded very positively to the course.

Ecofeminism: Basics (EN 02)

In the modern social scenario inclusion of discourses on socially relevant concepts of nature and gender are essential for a complete development of a learner. His/ her awareness and involvement in such discourses are even essential in the development of a better future. Keeping this in mind the PG Department of English provided add on course Ecofeminism: Basics (EN 02) with the aim of

- Sensitizing students about environment issues through literature and literary criticism.
- Creating awareness about gender-nature discourses in literature.
- To help students familiarize the basic tenets of ecofeminism
- To understand the contribution of literature in bringing in awareness regarding nature and gender equality.

In this 30 hour course, a total of 50 students were enrolled. Classes were held in a blended mode. The programme is designed in a way to include basic concepts of ecofeminism so as to help student accelerate their knowledge on the current theoretical as well as academic discourses related to environment and gender.





Peer Teaching

The PG Department of English, VTM NSS College, Thiruvananthapuram makes sure that students are involved in Peer Teaching- Learning. The programme identifies advanced learners of senior classes and gives them the opportunity to tutor their juniors who are novice to the subject. Peer teaching ensures direct interaction between students and further it helps peer teachers to reinforce their own learning. It allows for greater understanding of the subject and also works better to build very supportive relationships between students.

Each semester students are expected classes where in each, different subjects would be introduced to the target group by different tutors. The year 2021-22 saw serious difficulties with the ongoing troubles and restrictions due to the pandemic. Students had long been learning lessons online, yet once classes could be conducted offline, our sixth semester BA students got classes from first semester MA students. The sessions for this academic year were coordinated by Ms.Parvathy G.

NAME	DATE	TOPIC
Amaldath SB	07.03.2022	Memoir Writing, Film Review
Reshma C J	11.03.2022	Book Review



Satellite Group Study- Report for 2021-22

The PG Department of English, VTM NSS College, Dhanuvachapuram, Thiruvananthapuram as part of our efforts to ensure the academic and personal development of our students, introduced Satellite Group Study System into our classrooms. It aims to improve communication skills of the students and stronger bonds among them. During the first semester, students are put in groups, for each they will have a leader to coordinate. It is ensured

that every group is an assortment of learners of different strength and speed so that the benefits of the programme reach every type of students. They are supposed to meet together during free time and plan activities related to their academic and communicative needs. Once a group is formed, it shall continue till the completion of their course i.e. right to sixth semester. Discussions and other engagements with their peers that occur with satellite grouping works as a major confidence boost for students. The sessions for this academic year were coordinated by Ms.Parvathy G.

2019-2022

Students are grouped as per the below mentioned list for the 2019-2022 batch.

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
Abhijith M.A.	Athira U.R.	Reshma Raj u L.	Aniyan U.S.	Jishnu D Vinod	Radhika Krishna R.S.
Ajilesh R Nair	Bhavapriya P Hari	Reshma S.	Anuja A.	Karthik M.	Rahul Balu Kesav B.R.
Amal Krishna A.P.	Rekhil K.S.	Sneha Mohan M.J.	Archana S.S.	Krishnaveni H.S.	Revu B.M.
Ananthan P.	Hima B.S.	Sreelekshmi P.C.	Arsha J.S.	Maya M Nair	Sarathy Gopal V.S.
Anjana U.R.	Jyothika R.A.	Sreerag S.S.	Athira S.S.	Meenu M.S.	Sharath Kumar S.S.
Anusree K.S.	Nandana B.S.	Surya Krishna S.L.	Devika Sivan	Meera Mohan M.S.	Soorya P. G. Nair

Aparna S.R.	Nandana B.S.	Abhina S Mohan	Gayathri J.S.	Nandana U.	Vaishnavi S.
Arunchandran C.R.	Nandana T.S.	Akhil A.S.	Gopika V.J.	Padma Prasad P.A.	Vishnu S
Arya S John	Praveena P Raj	AnamikaKarthikeyan	Jidu S Chandran	R.Ajayakrishnan	
<u>Group Leader:</u> Annie G.L.	<u>Group Leader:</u> Devika B.H.	Group Leader: Shilpa Justus S.	Group Leader: Jayalekshmi V.V.	Group Leader: Manya S.M.	Group Leader: Sruthy P.G.

Activity Record

- Discussion on how to write a book review and presenting a sample of the same.
- **2020-2023**

Students are grouped as per the below mentioned list for the 2020-2023 batch.

Group 1	Group 2	Group 3	Group 4	Group 5
Akshaya B.	Anusree P.	Nandana S.B.	Abhiram S.	Abhishek A.
Akshara J.M.	Athira S.D.	M.Surya	AnandhuVinod	Vishnu J.R.

Anjana S	Kavya A.S.	Devu R.S.	Adarsh B.L.	Sudhin S.
Anuraga S.L.	Varsha W.S.	Gowri Krishna	Vishnu R.S.	Joshua A.S.
Ashli Das	Devika B Murali	Madhuri P.S.	Gokul G.	Gokul David
Devika S.	Vijitha L.	Amritha A.S.	Nikhil S.	Anandhu S.R.
Jisma M.R.	Sivakami	Smrithi S.	Vignesh V.M.	Akshay
Vismaya J.S.	Anju J.	Jayasree J.L.	Sumith S Nair	Karthik Krishnan
Lekshmi S	Anchu S.L.	Aswathy A.V.	Anandhu S Vijay	Mahendran S.G.
Athira A.S.	Adithya	Mahitha M.K.	Beno Joseph	
	Achu J.U.			
<u>Group Leader:</u> Anusree B.A.	<u>Group Leader:</u> Nikhitha S.S.	Group Leader: Bhavya A.J.	Group Leader: Aswin A.S.	Group Leader: Vijay M.L.

Activity Record

- Discussion on the term 'Popular Literature'

2021-2024

Students are grouped as per the below mentioned list for the 2021-2024 batch.

Group 1	Group 2	Group 3	Group 4	Group 5
Abhijith Krishna B	Jothika R S	Amal A S	Sophy Shine S	Selvin A
Abhirami R V Nair	Bincil B S	Athul Krishna	Sreehari R S Nair	GowriVinod
Adithyan S S	Akash V S	Gourinath G L	Abhishek S S	Vidhya A S
Akshaya A S	Devika S S	Adithya Prasad S V	Abhiroop	Arathy S P
Amal S D	Anita S S	Bharath S	Ashalakshmi M S	Devika S B
Amrutha Raj M	Anjali Krishnan S N	Kaushik Ram	Adarsh B S	Gayathri S Raj
Amritha K J	Archa S Nair	Nandana S	Drishya A J	Abhinav J
Anarsha A S	Arsha S R	Royi J S	Kiran M S	Nayana A S
Aparna G W	Bharath Krishna O J	Sandra Shaji	Mithra S Venu	Shehna A
				Athira A S

<u>Group Leader:</u> Anupama S	<u>Group Leader:</u> AbhishekM adhav	Group Leader: MekhaNat h	Group Leader: Neeraja D S	Group Leader: SreePadmana bhanUnni
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Activity Record

- Discussion on the term 'Indian English'

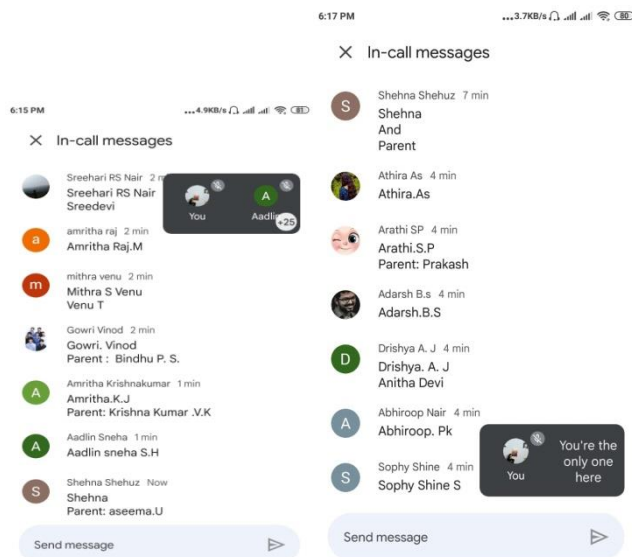


PTS Meetings

The Department of English convenes PTS meetings for every semester, thereby ensuring the participation of parents in the academic process of their wards during their term in the college. Academic excellence is not the sole output of institutional facilitation. It demands a complete monitoring from the parents towards their wards so that the occasional setbacks during each semester can be successfully rectified. Students are the backbone of every academic institution; no matter how productively the faculty thrives, the constructive intervention of students in the learning and evaluation procedures is a kernel element in increasing the wholesome scholastic output of both the institution and society at large.

During the academic year 2021-2022, the Department organized PTS meeting for all the semesters. The tutors were instructed to convene meetings as per the decisions taken during the respective department meetings. The agenda mainly focused on monitoring the academic performance especially the progress of each student after assessing the university results of respective semesters. The tutors after seeking the prior sanction regarding the schedule inform their respective classes and the parents. The meetings were conducted via

online mode, using the platform Google Meet. The Head of the Department presided the meeting, the tutors briefed the agenda and both the students and parents were given proper space to vent out their concerns and grievances. Action taken report was prepared accordingly after consulting the decisions made during the respective meetings.



Achievements

Student Progression

I. List of Students Progressed to Higher Education (21-22)

About 25 students from Department of English progressed to higher studies during the academic year 2021-2022. Aswathy Nair A S got selected as a full time Ph.D Scholar at VIT, Vellore Campus. Aiswarya R Kumar of 2018-21 batch got admitted to MA English in the Department of Linguistics, University of Kerala. 15 students from 2018-2021 UG batch and 1 student from 2017-2020 batch got admission for MA English at various colleges and University Departments. Many students are pursuing their B.Ed degree course in English from various colleges. Aswani A B of 2018-21 batch got admission for LLB at CSI College for Legal Studies.

Name of student enrolling into higher education	Program graduated from	Name of institution joined	Name of programme admitted to

Aswathy Nair A S	MA	VIT, Vellore	Ph.D (English Literature)
Aiswarya R Kumar	BA	Department of Linguistics, University of Kerala	MA Linguistics
Arundhati S Nath	BA	Mar Ivanios College, TVM	MA English
KarthikaGopan L	BA	VTM NSS College Dhanuvachapuram	MA English
Gopika J J	BA	VTM NSS College Dhanuvachapuram	MA English
Surabhi S S	BA	VTM NSS College Dhanuvachapuram	MA English
Midhu Mohan	BA	VTM NSS College Dhanuvachapuram	MA English
VarshaGopan	BA	NSS College Pandalam	MA English
Aparna S P	BA	SreeSankaracharya University	MA English
KavyaVijayan S	BA	SreeSankaracharya University	MA English
Adithya D S	BA	SreeSankaracharya University	MA English
Jayanarayan M B	BA	IGNOU	MA English
Reshma R Binu	BA	IGNOU	MA English
Abhijith A L	BA	IGNOU	MA English
C S Sweeshma Raj	BA	School of Distance Education, University of Kerala	MA English
Sourav S P	BA	Mar Ivanios College, TVM	MA English
Aswani A B	BA	CSI Institute of Legal Studies, TVM	LLB

Abhirami S S	MA	CSI College of Education, TVM	B.Ed English
Devika L P	MA	CSI College of Education, TVM	B.Ed English
Athira Ashok	MA	CSI College of Education, TVM	B.Ed English
Harishma Nair H R	MA	CSI College of Education, TVM	B.Ed English
Sherba E S	MA	CSI College of Education, TVM	B.Ed English
Amritha V K	MA	KunjikrishnanNadar Memorial B.Ed College	B.Ed English
Keerthana P V	MA	New B.Ed College, TVM	B.Ed English
Anakha Krishna U S	MA	Sreenarayana Training College,Alapuzha	B.Ed English

III. List of Students Qualified Competitive Exams

The year 2021-22 was an immensely prestigious one for the Department as 4 of our students qualified the UGC-NET examination of 2022. Abhirami S S and Athira Ashok of 2019-2021 batch, Keerthana P V of 2018-2020 batch cleared the exam and brought laurels to our Department. Geethu G M of 2020-2022 batch (the pursuing II MA) cleared the exam during her second semester proving the impeccable academic excellence of our students in qualifying the national level competitive exams.

	Name	Candidate Code	Programme Graduated from	Name of competitive Exam Qualified
1.	Abhirami S S	53019145001	M A English	UGC-NET
2.	Athira Ashok A S	53019145008	M A English	UGC-NET
3.	Keerthana P V	53018145012	M A English	UGC-NET
4.	Geethu G M	53020145007	M A English	UGC-NET

IV. List of Students Recruited

Five of our students got recruited during the academic year 2020-2021, Jayanarayan M B was recruited by a Private firm (Terumo Penpol) whereas Surya Krishna S. L got placed as GDS ABPM/DakSevak in the Postal Department(Kanjirapally Subdivision), Central Government of India. Raji R I of 2014-16 MA batch, was appointed as Junior Assistant/ Cashier in KSEB. Rahul R P of 2016-19 BA Batch got posted as Trainee Train Clerk, Pay Level 2 in Southern Railway. Anjana Krishna A. S of 2018-21 BA Batch got placed in Citel Group, Chennai as Customer Service Professional.

Year	Name of student placed and contact details	Program graduated from	Name of the employer with contact details	Pay package at appointment
2021-22	Jayanarayanan M.B	BA	Terumo PenpolPvt. Ltd, Puliয়ারakonam , TVM	12090

sarovaramVilappil Sala- 695573			
Surya Krishna S.L. SN BHAVAN, Elavangamoola, Vlathangara- 695134, Chenkal	BA	Office of the Assistant superintedent of post offices, Kanjirapally Subdivision, Changanassery	10000
Rahul R.P Trainee Train Clerk, Pay Level 2 CherukaraVeedu Udiyankulangara Arayur- Neyyatinkara- 695122	BA	Southern Railway, Divisional Office Personal Branch, TVM	19900
AnjanaKrishna A.S. Customer Service Professional A.S. Bhavan Mylakkara PO TVM-695572	BA	Sitel India Pvt. Ltd. Trill Infopark Ltd. 1st Block C floor Chennai	218196
Raji R I NarayanathuvilaV eedu, Muriyankara,	MA	Kerala State Electricity board Ltd. Office of the Chief Engineer, VydyuthiBhavan Pattom-695004	22085- 905

Parasala po-695502			
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Result analysis

UG 2018 Admission

VTM NSS College, Dhanuvachapuram- Result Analysis																			
Subject: English						Course Pass					2018 Admission								
Category of Admission	No of Students Appeared	No of students passed	%of pass	No of Students Failed	% of failure	No of Students failed in					No of Students passed with over all grade								
						Eng	Langu age	Code	Cor e	Co mp l	Co mpl 2	Op en Co urs e	A+	A	B	C	D	E	F
General Merit	33	21	63.6	12	36.4	5	3	HN	9	11	9	0	Nil	Nil	13	7	1	0	12
							1	ML											
							0	T											
Management Quota	7	3	42.9	4	57.1	0	0	HN	3	4	3	0	Nil	Nil	0	3	0	0	4
							1	ML											
							0	T											
SC/ST	7	3	42.9	4	57.1	2	1	HN	3	4	3	0	Nil	Nil	1	1	1	0	4
							0	ML											
							0	T											
Sports	3	0	0.0	3	100.0	0	0	HN	3	3	1	0	Nil	Nil	0	0	0	0	3
							1	ML											
							0	T											
Total	50	27	54.0	23	46.0	7	4	HN	18	22	16	0	Nil	Nil	14	11	2	0	23
							3	ML											
							0	T											

After the publication of revaluation results the total number of students who qualified the course has become 30. Total pass percentage is 60%.

PG 2019 Admission

VTMNSS COLLEGE, DHANUVACHAPURAM -RESULT ANALYSIS

SUBJECT: MA ENGLISH

SEMESTER: COURSE PASS

YEAR OF ADMISSION: 2019

Category of admission	No. Of students appeared	No. Of students passed	% of Pass	Total no. Of students failed	% of Failure	No. Of students failed			
						FIRST SEMESTER	SECOND SEMESTER	THIRD SEMESTER	FOURTH SEMESTER
*General Merit	15	13	86.66	2	13.33	1	2	0	1
Management Quota	4	3	75	1	25	0	1	0	0
SC/ST	4	3	75	1	25	0	1	1	0
Sports	1	0	0	1	100	1	1	1	1
Total	24	19	79.16	5	20.83	2	5	2	2

Arts & Sports Achievements

Arts

College Youth Festival 2021-2022

- Guruprasad. M.A (2nd year MA) – Light Music: First, Classical Music: Second, Recitation (Malayalam) : Second
- Anjana Anil. S (2nd year MA): Short story (Malayalam)- First, Essay Writing (Malayalam) – Second, Film Review (Malayalam)- First
- Nandana A. S (2nd year MA): Short story (English)- First
- Devisree (2nd year MA): Light Music Malayalam- First, Mappilappattu- First
- Guruprasad, Devisree, Anjana Anil, Nandana J Nair, Arsha, Athira (2nd year MA) - Group Song Malayalam - First
- AbhishekMadhav SV(1st year BA): English poetry writing- First
- Anita SS(1st year BA): English Recitation- Second
- Neeraja DS (1st year BA): Bottle Art – First
- Sreelekshmi P C (3rd year BA): Poster Making -2nd prize - La Fierte Day
- Sneha Mohan M J (3rd year BA): Short story writing - 1st prize- La Fierte Day
- Archana S S (3rd year BA): Bilingual Book Review Competition - 1st prize.
- Nandana U (3rd year BA): Extempore -3rd prize- La Fierte Day
- Nandana B S (3rd year BA): Bilingual Book Review Competition -3rd prize.

- Jayalekshmi V V (3rd year BA): Craft Making - 2nd prize -Peoples planning Club, Collage Making -1st prize - Peoples planning Club, Poster Making - 1st prize -La Fierte, Poster Making - 1st prize - Nature Club, Ramayana Parayanam -2nd prize- Dept. Of Malayalam, Elocution (Malayalam) - 1st prize - Debate Club, Elocution (Hindi)- 2nd prize- Hindi Club, ◇ Bilingual Book Review Competition- 2nd prize, Short story writing competition -2nd prize- Central library, Poetry writing -3rd prize - Maths Club, Essay Writing - 2nd prize- Maths Club, PowerPoint presentation -2nd prize- Maths Club
- Reshma (1st year MA): Released a musical album 'OruKunjuMannayayi' on 01.01.2022

Sports

- Midhu Mohan (1st year MA): Inter collegiate Tug of war- 3rd position
- Rahul BaluKesav (3rd year BA): Intercollegiate Fencing competition (Individual) -3rd position, Intercollegiate Fencing competition (team) - 1st position, All India Inter University Fencing championship - Participation only , Inter collegiate Tug of war - 3rd position
- Jidu S Chandran (3rd year BA) –Kerala University Best Physique -3rd prize
- Gokul David (2nd year BA) – Inter collegiate weightlifting championship 81category – 1st position, Inter collegiate weightlifting championship 73category- 2nd position, Kerala state weightlifting association championship 73 category- 1st position, 1stKerala Olympic Weight lifting Championship 81 category- 3rdposition, Trivandrum district weight lifting championship 81 category- 1st position
- Prakash (1st year BA) Kerala University Inter collegiate Inter-zone Kabaddi (1st position)
- Selvin A (1st year BA) Kerala University Inter collegiate Inter-zone Kabaddi (1st position)



FDP Attended

1. Saranya K.V. :

- Online Two-Week Inter-Disciplinary Refresher Course/FDP on “Managing Online Classes and Co-Creating Moocs 6.0” from 05-19 July, 2021 organised by the Teaching Learning Centre, Ramanujan College, University of Delhi.
- Two day Online Training Course for Teaching Faculties of Universities and Colleges on “Conservation Issues” from 19-20 July, 2021 organised

byCASFOS, Ministry of Environment, Forest and Climate Change,
Government of India.

2. Aswathy G.

- Online Two-Week Inter-Disciplinary Refresher Course/FDP on “Managing Online Classes and Co-Creating Moocs 6.0” from 05-19 July, 2021 organised by the Teaching Learning Centre, Ramanujan College, University of Delhi.
- Two day Online Training Course for Teaching Faculties of Universities and Colleges on “Conservation Issues” from 19-20 July, 2021 organised by CASFOS, Ministry of Environment, Forest and Climate Change, Government of India.

3. ArathiLal B.

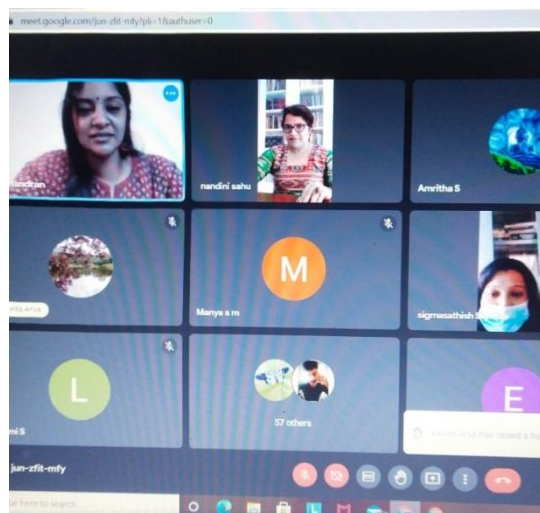
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- Two day Online Training Course for Teaching Faculties of Universities and Colleges on “Conservation Issues” from 19-20 July, 2021 organised by CASFOS, Ministry of Environment, Forest and Climate Change, Government of India.

Programmes Organized

The National Lecture Series 1 - Prof NandiniSahu

The National Lecture Series 1 seminar was organized by the PG Department of English at our esteemed institution VTM NSS College on 14 September 2021. The seminar was inaugurated

at 11.30 am which was followed by the keynote session by Chief guest Prof NandiniSahu. She is the former director of the School of Foreign Languages and Professor of English at IGNOU. She gave a magnificent speech on the topic “Folklore research and Pedagogy”. Numerous illustrations of societal benefits linked to folklore research were briefed. Folklore has contributed to many diverse aspects of everyday life. Achieving the ambitious future exploration goals will further expand the literary relevance of folklore pedagogy. The session started with a welcome speech by Dr Sigma GR, Head of the department, Presidential address by Dr VM Anandakumar, Principal of the college and vote of thanks by AnilaChandran, Assistant professor of English. The organisingcommittee included Dr Sigma GR, Dr VM Anandakumar and AnilaChandran. The seminar was very informative and provided the participants with knowledge on various aspects of Folklore research and pedagogy, the recent advancements in the field of folklore, myth and epics. The event ended with a productive question-answer session.

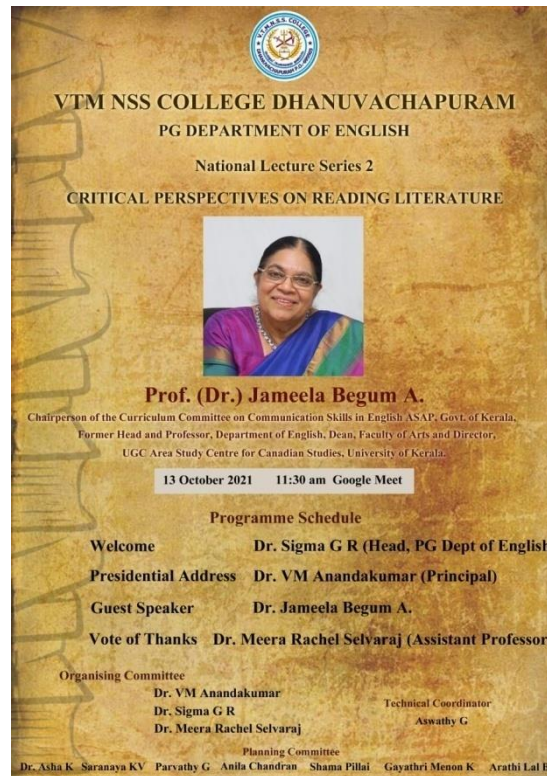


The National Lecture Series 2 - (Dr.) Jameela Begum A.

The lecture series 2 was conducted by the PG Department of English on 13 October 2021 at 11:30 am. The chief guest was (Dr.) Jameela Begum A. who is the chairperson of the Curriculum Committee on Communication Skills in English. Formerly she retired from the

Institute of English as the Head and Dean of English, Dean faculty of Arts and Director of the UGC Area Study Centre for Canadian Studies, University of Kerala.

Lecture Series 2 enlightened the students giving them a basic knowledge on the “Critical Perspectives on Reading Literature”. The students were enlightened on ‘what is theory’ and ‘how to critically interpret a text.’ The language used was student friendly and easy to understand. The department received positive feedback from the students about lecture series. The event was coordinated by Dr.Meera Rachel Selvaraj.



The poster is for a lecture series at VTM NSS College, Dhanuvachapuram. It features a portrait of Prof. (Dr.) Jameela Begum A. and lists the event details, including the date (13 October 2021) and time (11:30 am Google Meet). The poster also lists the programme schedule, including Welcome, Presidential Address, Guest Speaker, and Vote of Thanks, along with the names of the speakers. At the bottom, it lists the Organising Committee and Planning Committee members.

VTM NSS COLLEGE DHANUVACHAPURAM
PG DEPARTMENT OF ENGLISH
National Lecture Series 2
CRITICAL PERSPECTIVES ON READING LITERATURE

Prof. (Dr.) Jameela Begum A.
Chairperson of the Curriculum Committee on Communication Skills in English ASAP, Govt. of Kerala,
Former Head and Professor, Department of English, Dean, Faculty of Arts and Director,
UGC Area Study Centre for Canadian Studies, University of Kerala.

13 October 2021 11:30 am Google Meet

Programme Schedule

Welcome Dr. Sigma G R (Head, PG Dept of English)
Presidential Address Dr. VM Anandakumar (Principal)
Guest Speaker Dr. Jameela Begum A.
Vote of Thanks Dr. Meera Rachel Selvaraj (Assistant Professor)

Organising Committee
Dr. VM Anandakumar
Dr. Sigma G R
Dr. Meera Rachel Selvaraj
Technical Coordinator
Aswathy G

Planning Committee
Dr. Asha K. Saranaya KV Parvathy G. Anila Chandran Shama Pillai Gayathri Menon K Arathi Lal B

Bilingual Literary Fest '21


The PG Department of English together with the Malayalam Department of VTM NSS College, Dhanuvachapuram, hosted one of the most vibrant literary festivals ever, The Bilingual Literary Fest '21 from 23-09-2021 to 28-09-2021. It witnessed the coming together of various literary icons from different parts of India as well as from outside the country. The five day fest was inaugurated by Dr K P Mohanan (Secretary, Kerala Sahitya Academy) and ChayamDharmarajan (Poet, Associate Professor, Govt College, Nedumangad). Apart from this, the fest also witnessed the presence of eminent personalities like DayaDissanayake, SreejanBalakrishnan, Sri. K Jayakumar IAS, Chador Wangmo, PJ Antony, Dr. George Onakkoor, KhyrunnisaA etc. The bilingual literary fest attracted literature lovers from different places as it can proudly claim itself in providing a neoteric experience to them and in maintaining justice to its theme of survival


VTM NSS
College Dhanuvachapuram

**PG Dept of English and Dept of Malayalam
organise**

BILINGUAL LITERARY FEST I
2021-22
THEME : SURVIVAL
23/09/2021 TO 28/09/2021

BILINGUAL LITERARY FEST I (2021-22)
THEME : SURVIVAL
**PG Dept of English and Dept of Malayalam
organise**
Day 1 : Inauguration
23/09/2021 @ 3.30 pm

CHIEF GUEST

Dr. K P Mohanan
Secretary
Sahithya Academy

GUEST OF HONOUR

Chayam Dharmarajan
Poet, Associate Professor
Dept of Malayalam
Govt. College, Nedumangad

BILINGUAL LITERARY FEST I (2021-22)
THEME : SURVIVAL
Day 2: 24/09/2021

SESSION I
JOURNEY OF A CHILDREN'S WRITER

CHIEF GUEST

Khyrunnisa A
Writer,
Children's Literature

SESSION II
English Poetry Session I Inauguration

CHIEF GUEST

Daya Dissanayake
Sri Lankan Poet &
Novelist

GUEST OF HONOUR

Sreejan Balakrishnan
Associate Editor
Indian Express,
Kerala


BILINGUAL LITERARY FEST I (2021-22)
THEME : SURVIVAL
Day 3: 25/09/2021
Malayalam Poetry Session I
@ 3.30 PM

CHIEF GUEST


Dr. Manoj Kuroor
Poet, Novelist
Associate Professor
Dept of Malayalam
NSS Hindu College,
Changanassery


BILINGUAL LITERARY FEST I (2021-22)
THEME : SURVIVAL
Day 4: 27/09/2021


SESSION I
"fiction as word picture"

CHIEF GUEST

Anuradha Bhattacharya
Sahithya Academy
Awardee


SESSION II
English Poetry Session II
Inauguration


CHIEF GUEST

Sri K. Jayakumar IAS
Eminent writer
Poet, Translator,
IIM Director


GUESTS OF HONOUR

Chador Wangmo
Bhutanese Poet


F.J Antony
Executive Editor
Jeevan T.V.

BILINGUAL LITERARY FEST I (2021-22)
THEME : SURVIVAL
Day 5: 28/09/2021
Malayalam Session 2 : Prose
@ 3.30 pm


CHIEF GUEST

Dr. George Onakkoor
Novelist


GUESTS OF HONOUR

**Kunjikannan
Vanivel**
Creative writer,
Blogger


B. Indira
Creative writer,
Blogger


BILINGUAL LITERARY FEST I (2021-22)
THEME : SURVIVAL


FESTIVAL DIRECTORS


Dr. V M Anandakumar
Festival Director
Principal, VTM NSS College

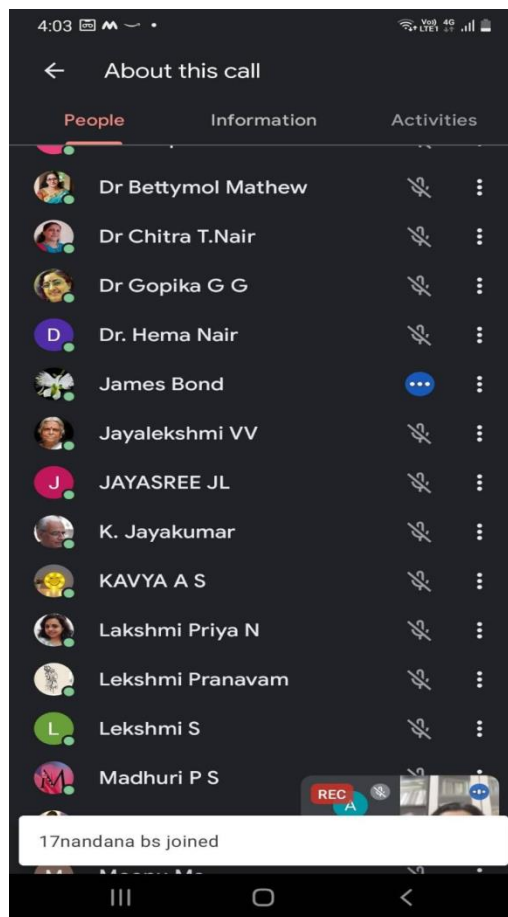
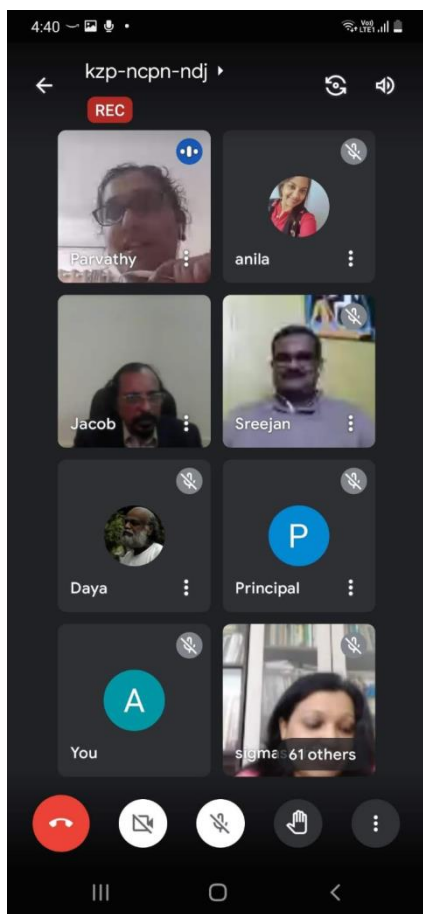

Dr. Bettymol Mathew
Head, Dept of Malayalam

FESTIVAL COORDINATORS


GAYATHRI MENON
ASSISTANT PROFESSOR
DEPT. OF ENGLISH


SAKANYA E.K.
ASSISTANT PROFESSOR
DEPT. OF ENGLISH

PROGRAMME COORDINATORS
Dr. Asha K. Parvathy G. Anila Chandran
Dr. Meera Rachael Selvaraj Shama S. Pillai Aswathy G.
Arathy Lal B. Dr. Anupama M. Dr. Sreeja Sankar



Pedestal Lecture

The Annual Pedestal Lecture for the academic year 2021-22 was conducted in the G Meet platform on 25.02.2022, Friday. Dr.Appu Jacob John, Assistant Professor, Institute of English, University of Kerala conversed with the students and enlightened them on the topic 'An Introduction to Post Modernism'. Dr. V M Anandakumar, Principal, VTM NSS College presided over the event and Dr.Sigma G. R., Head of the PG Department of English welcomed the gathering. Gopika Nair, the guest faculty introduced the guest to the audience.

In his elaborate and highly organized lecture Dr.Appu Jacob John converted the complex idea for that day's discussion to easily comprehensible fragments. The rejection of grand narratives in post modernism was clearly conveyed through vibrant examples of everyday life. He also talked on the diverse features of post modernism which include inter-textuality, parody, pastiche and black humour. In the question answer session that followed he clarified the doubts raised by the audience. Shama Pillai, IQAC Coordinator felicitated the event and ArathiLal, the programme coordinator thanked the guests on behalf of the department.

VTM NSS COLLEGE, DHANUVACHAPURAM
PG DEPARTMENT OF ENGLISH



PEDESTAL LECTURE

On 25th February,
2022. Friday



10.15am to
11.25am



Dr. Appu Jacob John
Assistant Professor
Institute of English

AN INTRODUCTION TO POST MODERNISM

Principal
Dr. V.M.Anandakumar

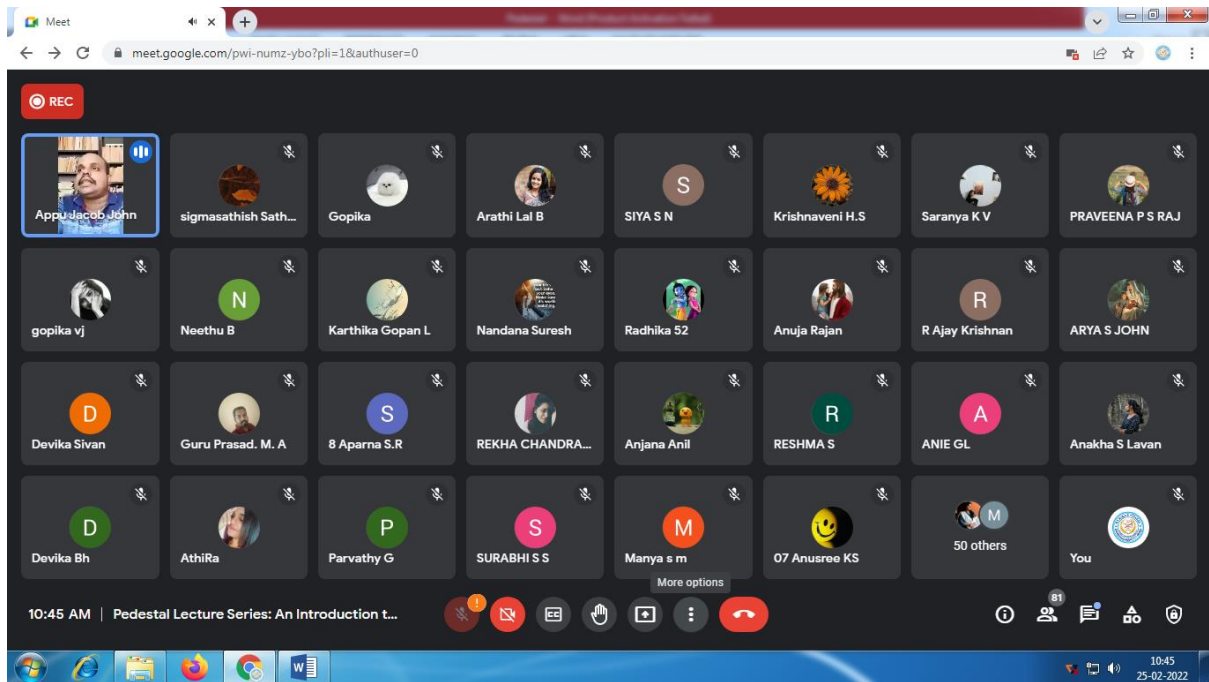
Head of the Department
Dr. Sigma G.R.

IQAC Co-ordinator
Shama Pillai

Programme Co-ordinator
Arathi Lal B

The screenshot shows a Google Meet window with the following details:

- Browser address bar: meet.google.com/pwi-numz-ybo?pli=1&authuser=0
- Meeting title: Pedestal Lecture Series: An Introduction to...
- Time: 10:44 AM, Date: 25-02-2022
- Participants (32 total):
 - Appu Jacob John (Speaker)
 - sigmasathish Sath...
 - Gopika
 - Arathi Lal B
 - SIYA S N
 - Krishnaveni H.S
 - Saranya K V
 - PRAVEENA P S RAJ
 - gopika vj
 - Neethu B
 - Karthika Gopan L
 - Nandana Suresh
 - Radhika 52
 - Anuja Rajan
 - R Ajay Krishnan
 - ARYA S JOHN
 - Devika Sivan
 - Guru Prasad. M. A
 - 8 Aparna S.R
 - REKHA CHANDRA...
 - Anjana Anil
 - RESHMA S
 - ANIE GL
 - Anakha S Lavan
 - Devika Bh
 - AthiRa
 - Parvathy G
 - SURABHI S S
 - Manya s m
 - 50 others
 - You
- Controls: Mute, Video, Chat, Unmute, End Meeting



Link generated for the meeting: <https://meet.google.com/pwi-numz-ybo?hs=224>

World Poetry Day

The Postgraduate Department of English, in association with IQAC, VTM NSS College, Dhanuvachapuram celebrated World Poetry Day on 21st March, 2022 with a Podcast. The Podcast was presented by the Semester II students of MA English programme (2021-23 batch) and was released by Dr V M Anandakumar, Principal, VTM NSS College, Dhanuvachapuram. Youtube Link for the podcast: <https://youtu.be/pqhzukFR7jI>



Manuscript Magazine Release

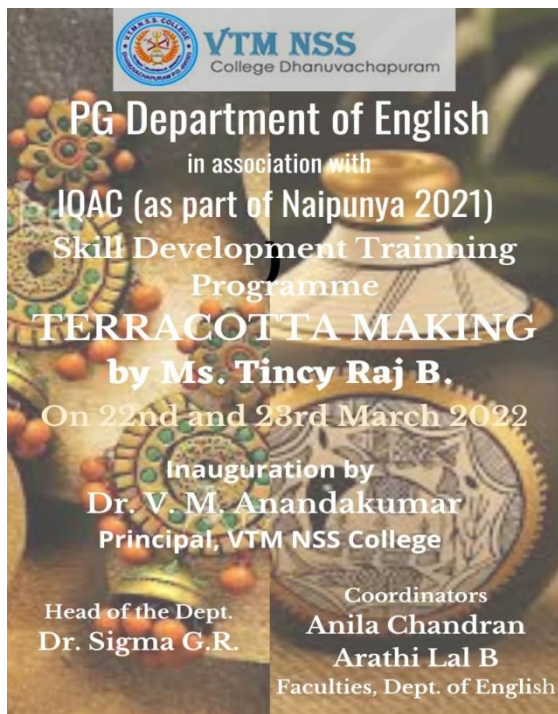
As part of commemorating World Poetry Day and the 148th birth anniversary of the legendary American poet Robert Frost on 26th March 2022, the first year UG students of the department gave life to a manuscript magazine, an anthology of original poems written by the young talents of the department. The work was titled 'The Poetry Cabin' and was released by Dr. V.M. Anandakumar, Principal, VTM NSS College, Dhanuvachapuram.




Skill Development Programme –Terracotta Making

The PG Department of English in association with IQAC and Naipunya 2021 organised a skill development training programme on Terracotta making for the UG students of the department. The training session was scheduled to be on 22nd and 23rd March. 50 students responded to the registration and 35 students participated actively in the event. Dr. V.M. Anandakumar, Principal, VTM NSS College inaugurated the event. He talked about the importance of acquiring a skill and marketing it in the present changing scenario. He also mentioned about how one can earn happiness and money by selling one's creative wisdom. A talented artist and vocational trainer Ms.Tincy Raj handled the sessions .The event gave

students hands-on experience on ornament and terracotta making. Ms.AnilaChandran and Ms.ArathiLal B., faculties of the department coordinated this two days long event.



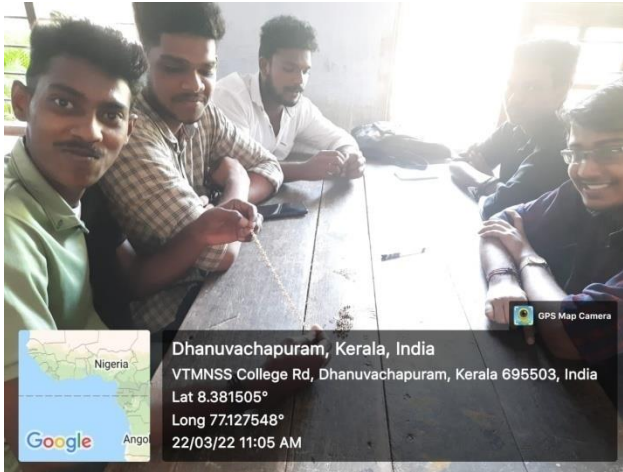
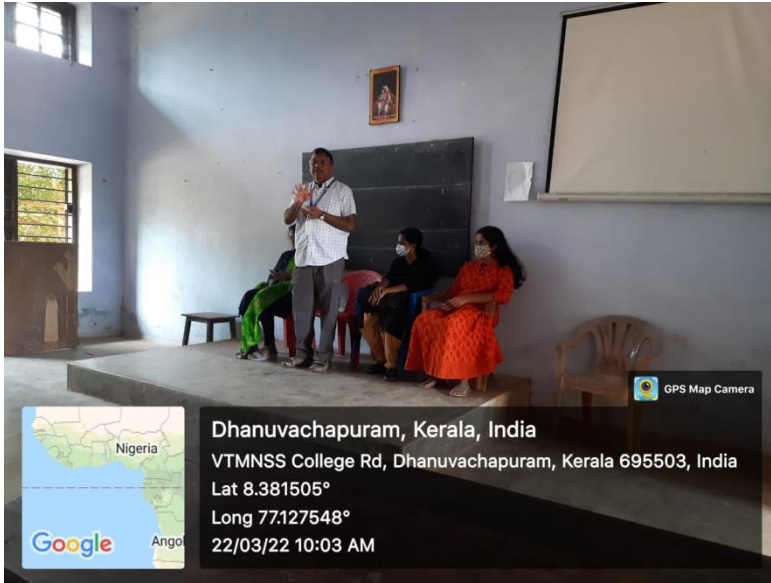
 **VTM NSS**
College Dhanuvachapuram

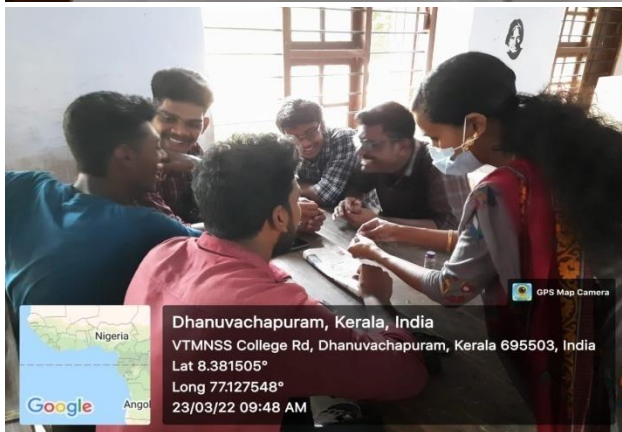
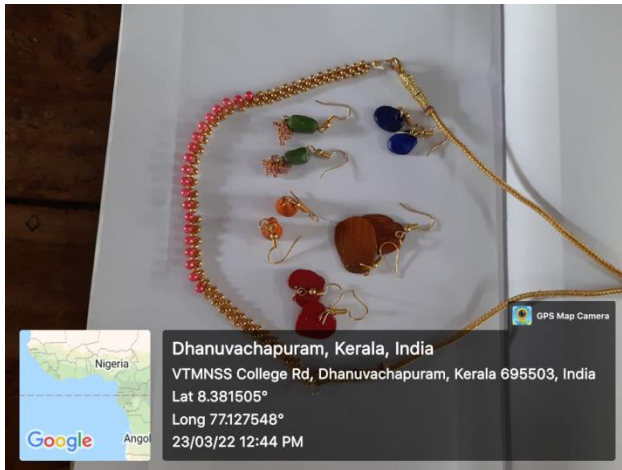
PG Department of English
in association with
IQAC (as part of Naipunya 2021)
Skill Development Training
Programme
TERRACOTTA MAKING
by Ms. Tincy Raj B.
On 22nd and 23rd March 2022

Inauguration by
Dr. V. M. Anandakumar
Principal, VTM NSS College

Head of the Dept.
Dr. Sigma G.R.

Coordinators
Anila Chandran
Arathi Lal B
Faculties, Dept. of English



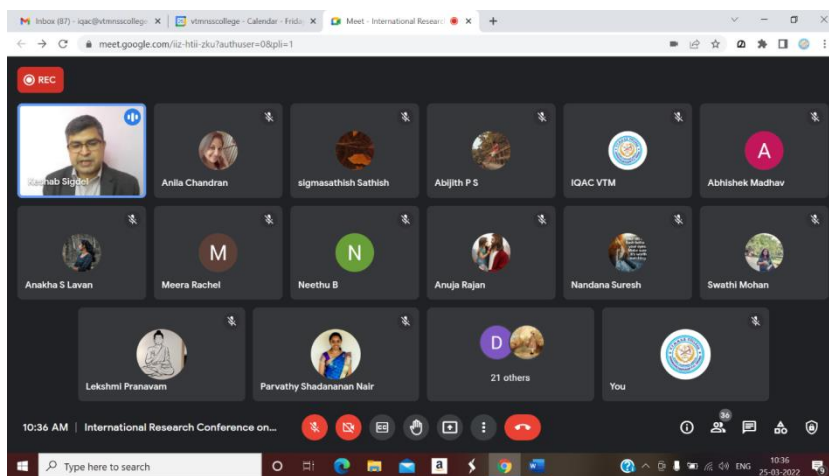
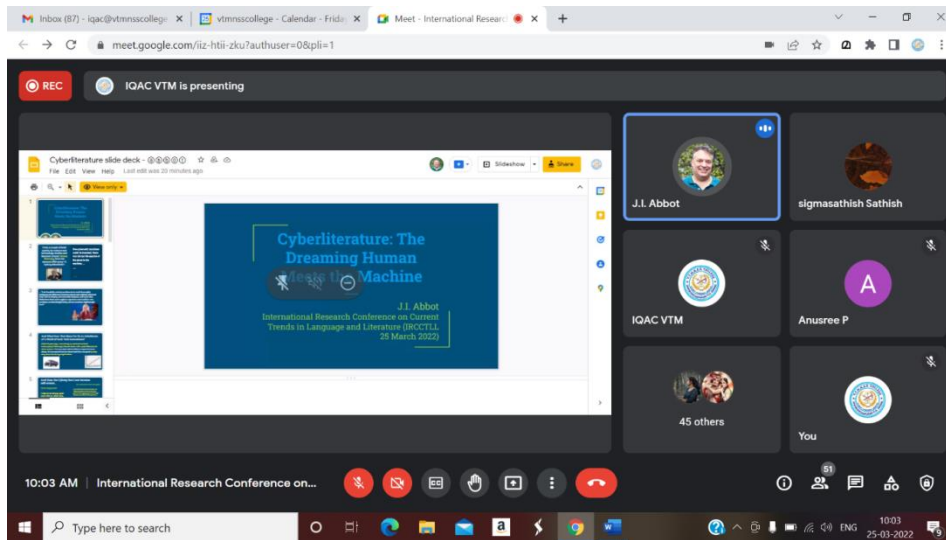


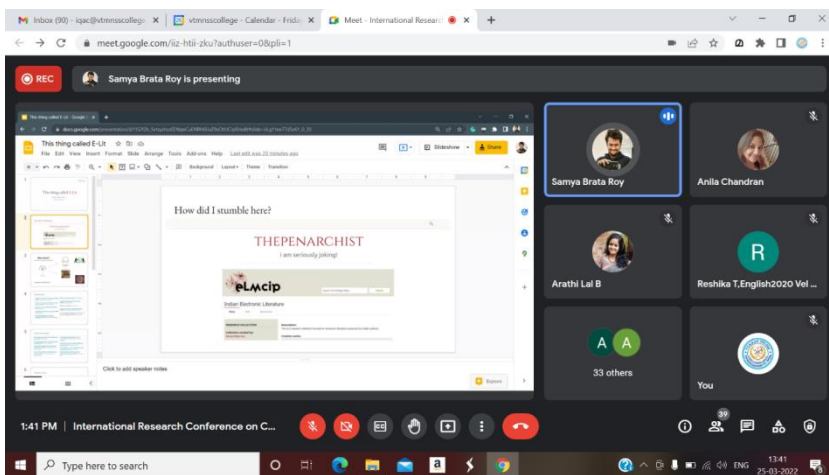
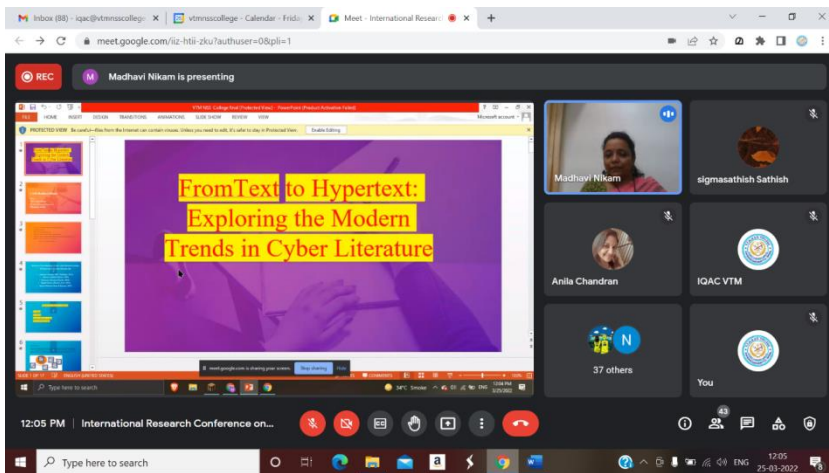
International Research Conference on Current Trends in Language and Literature (IRCCTLL) 2022

Cyber Literature

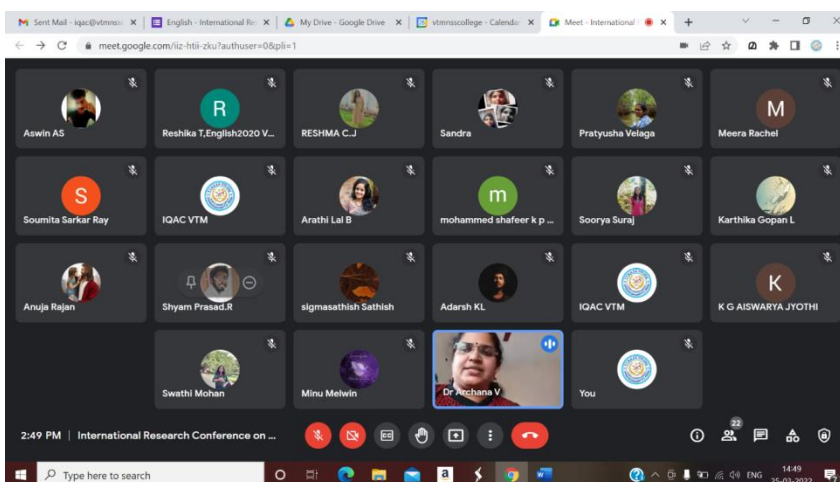
The PG Department of English, VTM NSS College Dhanuvachapuram conducted International Research Conference on Current Trends in Language and Literature (IRCCTLL) on 25th March 2022 as part of Annual Research Conference of Science, Social Science, Commerce, Arts and Language (ARCSSCAL). The topic for this year has been Cyber Literature. The conference has decided to focus on how the boundaries of traditionally conceptualized margins of literature have expanded and to analyze the character and developments in cyber literature. Mr. J.I. Abbot, who is Professor of English and Philosophy at Tunxis Community College in Farmington, CT, USA, delivered the inaugural address. Mr. Abbott who is also a poet, singer-songwriter, comic, essayist and translator introduced the concept of cyber literature. He also detailed on human element in cyber space. Mr.KeshabSigdel, faculty of English at Central Department of English at Tribhuvan University, delivered the next session titled “Who Goes Along and Who’s Left? Literature in the Age of Digital Humanities”. He talked about political stances of cyber space and the question of digital divide. The next session

was titled “From Text to Hypertext: Exploring the Modern Trends in Cyber Literature” which was about recent developments in creative sphere of cyber spaces. It was delivered by Dr. Madhavi Nikam who is Professor at the PG Department of English, R. K. Talreja College, Ulhasnagar, Thane, Mumbai. The last session was by Samya Brata Roy, PhD student in the Department of Humanities and Social Sciences at IIT Jodhpur and a HASTAC scholar from 2021 to 2023. His session “This Thing Called E-Lit” detailed about cyber literature in Indian context. After the sessions, paper presentations of scholars and academics were conducted.





Paper Presentations:



Department of Physics

VTM NSS College

**Dhanuvachapuram
Thiruvananthapuram**

Annual Report

2020 - 2021

Department of Physics

Year of Establishment	- 1967
Courses offered	
Core Course	- B.Sc. Physics
Complementary courses	_ Physics courses to B.Sc. Mathematics and
Open Course	B.Sc. ChemistryEnergy Physics (Offered to S5 students of other Departments)
Elective Course	Nano Science and Technology (Offered toS6 B.Sc. Physics Students)
Annual Intake	38
Number of Full time teachers	4 teachers + 1 Principal

Faculty and Staff

Name	Designation
Dr V M Anandakumar	Principal
Dr H Padmakumar	Assistant Professor & Head
Dr Deepa V	Assistant Professor
Dr Simi K G	Assistant Professor
Satheesh R	Assistant Professor

Students Details

Class	Total number of students	Boys					Girls				
		S C	S T	O B C	G E N	TOTAL	S C	S T	O B C	G E N	TOTAL
I year	38	4	0	2	8	14	3	0	4	13	20
II year	38	4	0	6	9	19	1	0	6	12	19
III year	43	1	0	3	18	22	1	0	6	10	21

Department Level Committees

Course Coordinators (Core Course)

Sl No.	Batch	Co ordinator
1	Third Year (5 & 6 Semester)	Dr. Deepa V
2	Second Year (3&4 Semester)	Dr. Simi K G
3	First Year (1 & 2 Semester)	Mr. Satheesh R

Course Coordinators (Complementary Courses)

Sl No.	Batch	Co ordinator
1	First Semester B.Sc. Mathematics	Dr. Simi K G
2	Second Semester B.Sc Mathematics	Dr. Deepa V
3	Third Semester B.Sc Mathematics	Dr Padmakumar H
4	Fourth Semester B.Sc Mathematics	Mr. Satheesh R
5	First Semester B.Sc. Chemistry	Mr. Satheesh R
6	Second Semester B.Sc Chemistry	Dr. Simi K G
7	Third Semester B.Sc Chemistry	Mr. Satheesh R
8	Fourth Semester B.Sc Chemistry	Dr. Simi K G

Faculty Members in College Level Administrative Committees

Sl No.	Name of the Faculty Member	Administrative Assignment
1	Dr V M Anandakumar	Principal
2	Dr. H Padmakumar	<p>Convener, Building Committee Member, Anti Ragging Cell Member, Purchase Committee Member, CLMC for CBSC Nodal Officer, Spark, Gain PF Member, Research Committee Member, Science Club Member, Sports Club</p> <p>Member, Urjakiran</p>
3	Dr. Deepa V	<p>Convener, Purchase Committee NIRF Nodal Officer Member, UGC Committee Member, IQAC Member, Planning Board Member, Women's Study Unit Member, Research Committee</p> <p>Internal Mentor, WWS Programme Member, Nature Club</p> <p>Member, Urjakiran</p>
4	Dr Simi K G	<p>Convener, Urjakiran Member, Women's Study Unit Member, Career Guidance and Counselling Member, Research Committee Member, Open Course Committee Member, Nature Club Member, Civil Service Club</p>
5	Satheesh R	<p>IT Convenor PD purchase committee member Science Club Member Urja Kiran Member</p>

Bridge Course

Bridge course is conducted for the first year students during semester 1 to ensure their smooth transition from secondary education to college level system. The course is conducted during the first year of the Degree programme with a specific syllabus. The syllabus includes topics describing the basic concept behind theory and laboratory courses included in the B Sc Physics programme. The introductory laboratory sessions include introducing various equipments in the laboratory. Classes will be given to estimate the least count of various instruments. The course gives an overall awareness to the students regarding the B Sc programme as well as their future career opportunities after completing the degree programme. Dr. Satheesh R, the class tutor of first year students, is in charge of the bridge course.

Department Level Monitoring Committee (DLMC)

The department has a statutory DLMC in adherence to the University guidelines and the activities of DLMC are coordinated by Dr. H Padmakumar (Head, Department of Physics). All faculty members of the department are members of the committee. The role of DLMC is to monitor the continuous evaluation process along with addressing student concerns. The CE marks as well as the consolidated attendance statement for each semester will be prepared as per the guidelines published by the University of Kerala and the same will be made available to the students for their scrutiny. Any grievances in connection with the CE marks or attendance can be reported to the respective course coordinators or faculty advisors. The grievances which were not resolved at this level will be forwarded to the DLMC for suitable decision. The mechanism also ensures to address the concerns raised by students from other departments pursuing our complementary courses as well as the open course. Any unresolved matter from DLMC will be forwarded to the College Level Monitoring Committee (CLMC). Uploading of CE marks to the University portal is carried out after finalizing the same by DLMC.

Grievance cell

The department level grievance cell constantly addresses the complaints/suggestions by the students and strives to derive timely solutions. It acts as the primary platform for student grievances. Students can directly register their complaints to the cell convener or the respective faculty advisors. We also conduct periodic interaction of faculty advisors with students to ensure that the student grievances and suggestions are properly addressed. Depending upon the nature of the grievance/suggestion received, it will be either resolved at the department level or brought to the attention of the college level committees. Based on the concerns raised from the students, we have made necessary steps to repair the infrastructure facilities inside the classrooms as well as in the Physics laboratory. The resolved grievances include proper maintenance of the student wash rooms as well as periodic cleaning of the premises of the Physics block. The cell is headed by Dr. H Padmakumar with the faculty advisors as its members.

Remedial Coaching

The Department of Physics extends additions to help slow learners and monitor the effectiveness of the approach. We have a remedial coaching programme coordinated by Mr. R. Satheesh. All faculty members of the department are members of this committee and as per the requirements raised by students, additional teaching hours are undertaken to various core and complementary courses. Learning materials prepared by the faculty members are also provided to the students on selected topics depending upon the request made by the students.

Achievements by Students Academic

Name of the Scholarship	Student Name and Scholarship registration number	Scholarship Amount	Duration
Inspire Scholarship	Ajin Das C O 201800041634.	80,000 per year	2018-2021
Inspire Scholarship	Grani V 201800040384	80,000 per year	2018-2021

Arts & Culture

Achievements by faculty

Name of Faculty	Award Name	Year	Period	Fellowship
Simi K G	Insa Visiting Scientist Programme 2020	2020-2021	3 Months	30,000 per month

Orientation/Refresher classes/ Short Term attended by Faculties

Sl. No	Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	Dr. Deepa V.	Managing Online Classes and Cocreating Moocs: 2.0	18 May to 03 June 2020
2	Dr. Deepa V.	Online Education in Higher Education Institutions	13-17 July 2020
3	Dr. Deepa V.	Online one week faculty developing programme on Python Programming	24-29 August 2020
4	Dr. Deepa V.	Refresher Astronomy and Astrophysics 2020	11 May to 12 June 2020
5	Dr.Simi K G	Refresher Course in Materials Science	15 - 28 Oct 2020
6	Dr.Simi K G	Short term course leadership development programme in management	19-25 Mar 2021
7	Satheesh R	ICT Tools for Teaching Learning Process-Post Pandemic Educational Strategies	17-23 Aug 2020
8	Satheesh R	Moodle Learning Management system	11-15 May 2020
9	Satheesh R	Research Ethics and Characterisation Techniques in Material Science	9-15 Sep 2020
10	Dr. H Padmakumar	Research Ethics and Characterisation Techniques in Material Science	9-15 Sep 2020
11	Satheesh R	Effective Teaching and Learning Through Moodle	31 May to 04 June 2021
12	Satheesh R	Edu. Tech. Hands-on Online Workshop	23-28 June 2021
13	Dr. H Padmakumar	Edu. Tech. Hands-on Online Workshop	23-28 June 2021
14	Satheesh R	Outcome Based Education	14-21 June 2021
15	Satheesh R	Best Practices for online teaching: Classrooms, Courseware and Tools	08-14 July 2021
16	Dr. Deepa V	Advanced Research Methodology 2.0	17June-01 July 2021
17	Satheesh	Fourth Refresher Course in Materials Science: Recombinant Memetics	07-12-21 to 20-12-21
18	Dr.V.N.Praveen	Advanced Research Methodology	20-08-21 to 03-09-21

Department Activities

Dates	Type of Program	Name	Online/Offline	Participant number
28-30 Sept 2020	A three day International Webinar	Impacts of Climate Change	Online	250
09 Oct 2020	Power-point presentation and poster making competition	World Space Week Celebrations 2020	Online	2 Powerpoints, 1 poster (20 participants)
20th May 2021	Invited Lecture	Pedestal	Online	65
21- May- 21	Invited Lecture	DISTINGUISHED ALUMNI LECTURE	Online	55
28th MAY 2021	One day students seminar	THE LEGACY OF ALFRED NOBEL	Online	3 student presentations (63 participants)
09-10 June 2021	A two day National Webinar	Aerosol Optical Properties Impacting Climate: Methods and Measurements	Online	56 participants

15-24 July 2021	NAIPUNYA 2021	Do it Yourself ART AND CREATION 2021	Online	
04- Oct- 21	Invited Lecture	World Space Week Celebrations 2020	Online	52
09- Oct- 21	Students Presentations	World Space Week Celebrations 2020	online	35 participants and 3 presentations
27- Dec- 21	Invited Lecture	How to Create a Successful Career in Research	online	98 participants
16 sep 2021 FN	SOCIAL AWARENESS PROGRAMME	WORLD OZONE DAY 2021	online	6 presentations from students of VTMNSS College and 90 participants of VTM Higher secondary School
16 sep 2021 AN	INTERNATIONAL WEBINAR ON SUPERCAPACITORS	WORLD OZONE DAY 2021	online	80 students
11 dec 2021 to 18 jan 2021	Students Presentation series	The Physicist	online	18 presentation in the month of dec

**A three day International Webinar
“Impacts of Climate Change”**

28-30 September 2020
(Google Meet Platform)

Dr. Deepa V (Coordinator)
Assistant Professor
Department of Physics

Dr. H. Padmakumar
Head
Department of Physics

The effects of climate change span the physical environment, ecosystems and human societies. They also include the economic and social changes which stem from living in a warmer world. Human-caused climate change is one of the threats to sustainability. Climate change has already impacted ecosystems and humans. In combination with climate variability, it makes food insecurity worse in many places and puts pressure on fresh water supply. This, in combination with extreme weather events, leads to negative effects on human health. Climate change has also contributed to desertification and land degradation in many regions of the world. This has implications for livelihoods as many people are dependent on land for food, feed, fibre, timber and energy. Rising temperatures, changing precipitation patterns and the increase in extreme events threaten development because of negative effects on economic growth in developing countries. Climate change already contributes to migration in parts of the world. It is important to have clear understanding of impacts of climate change in the environment as well as in sustainability of life on earth.

The Department of Physics, VTM NSS College, Dhanuvachapuram conducted a Three Day National International Webinar “*Impacts of Climate Change*” during 28-30 September 2020. The Webinar was intended to discuss the current scenario of climate change and its impacts.

An organizing committee was constituted with Dr. H. Padmakumar, Head, Department of Physics, VTM NSS College as Convener and Dr. Deepa V., Assistant Professor, Department of Physics as coordinator. The members of the committee are Dr. K.G. Simi and Mr. R. Satheesh (Faculty, Department of Physics). It was decided to invite eminent personalities in the particular are of research as resource persons. We invited Dr. S. Sureshababu, Head, Aerosols, Trace Gases and Radiative Forcing Branch, Space Physics Laboratory, ISRO , Dr. Denny P. Alappattu, Research Scientist, North West Associates, Boulder, Colorado, USA and Dr. M.K. Ravi Varma, Professor, Department of Physics, NIT, Calicut as our resource persons. All of them accepted our invitation.

The webinar started with an inaugural session on 28/09/2020 at 10 00 a.m. Dr. H. Padmakumar, Head, Department of Physics presided over the function. Dr. Deepa V. coordinator of the programme

welcomed the guests and participants. Dr. V.M. Anandakumar, Principal, VTM NSS College inaugurated the webinar. Mr R. Manoj, convener IQAC felicitated the webinar to be a grand success. Mr. Satheesh R. delivered the vote of thanks. Dr. K.G. Simi hosted the programme. There were 255 participants registered for the webinar.

The technical session started at 10: 30 a.m. Dr. S. Sureshbabu was the resource person for the first session. Dr. Suresh Babu's area of interest is space borne and ground based observations as well as theoretical studies of earth's atmosphere for climate science research. He was instrumental in setting up the national network of aerosol observatories over India under ISRO - GBP, designed and executed thematic field experiments using high altitude balloons, aircrafts and research ships and established aerosol observatories at Himalayas and Polar regions. He has published more than 150 papers in internationally reputed journals and edited books and has several awards to his credit which includes the Ministry of Earth Sciences (MoES) National Award of Excellence in Atmospheric Science & Technology in 2020, Shanti Swarup Bhatnagar Prize for the year 2017 , Swarna Jayanti Fellowship Award from Department of Science and Technology, Government of India in 2015; NASISCOPUS young scientist award from Elsevier Sciences in 2009; National Academy of Sciences India (NASI) platinum jubilee young scientist award in 2009 and Indian National Science Academy (INSA) young scientist medal award in 2006. He is an Associate Editor of the Journal of Earth System Sciences since 2016 and founder member of the Indian National Young Academy of Science (IN-YAS).

The topic of his presentation is "Aerosols and Climate" He explained the radiative forcing in the earth's system. He also explained the role of aerosols in producing radiative forcing which in turn leads to climate change. He told radiative forcing by aerosols is much complicated because aerosols cause both warming and cooling. To quantify the effect is very difficult.

The second day i.e. on 29/09/2020 the technical session started at 10 00 a.m. The resource person was Dr. Denny P. Alappattu. Dr. Alappattu's research primarily focuses on the lower atmospheric processes. He has spent the last 15 years on the observations and modeling of the Ocean-Atmosphere Coupled System and Atmospheric Boundary Layer processes. He participated in several Atmospheric and Oceanographic field experiments conducted in different climatic zones that vary from Tropics to Poles. He began the research career as a Research Fellow at Space Physics Laboratory and received a Ph.D. in Physics from Kerala University in 2011. He is a recipient of the Indian Space Research Organization Research Fellowship. In 2012, he received United States National Research Council Research Associateship. Before joining the NorthWest Research Associates, he worked in the Naval Postgraduate School and San Jose State University as Research Associate and Adjunct Faculty. Besides research, Dr. Alappattu has created many logos and illustrations for science projects and publications

The topic of the presentation is “Climate Change: Science and History”. He discussed climate change of all scales including geological time scales. He explained how the evolution of human life from agricultural base living to industrialization has brought out climate change.

The third technical session started on 30/09/2020 at 10 00 a.m. by Dr. M.K. Ravi Varma. Dr.Varma is a Physicist working in Applied Optics and Instrumentation for Materials Characterization, Health Diagnostics, Air Pollution Monitoring and Climate applications. Monitoring of greenhouse gas (GHG) emissions such as methane and CO₂ using optical techniques, and monitoring optical properties of airborne aerosols form major parts of his research experience. His project management experience started from managing developmental and field monitoring campaigns for US Environmental Protection Agency (EPA) and US department of Defense (DOD). He has experience in instrument design, fabrication, control and automation of UV, visible and infrared spectrometers as well as light scattering and extinction instruments. He has over 10 years of teaching experience at various levels.

The topic of presentation is “Spectroscopic Measurements of Atmospheric Gaseous and Particulate Pollutants Impacting Climate”. In his lecture he gave an understanding of properties of aerosols and trace gases the importance of taking their measurements with high sensitivity. He explained spectroscopic measurements and cavity enhanced spectroscopy. He also discussed the optical properties of aerosols and their measurements and their relevance to climate. He introduced some new instrumentation for spectroscopic measurements of aerosols and trace gases.

The three day webinar gave the participants an insight to the properties of aerosols, their role in radiative transfer which will lead to climate change. Participants also had an understanding of the spectroscopic measurement techniques and an exposure to new measurement techniques. A total of 253 participants registered for the webinar.

“The climate crisis has already been solved. We already have all the facts and solutions. All we have to do is to wake up and change.”

-Greta Thunberg



The Nair Service Society established VTM NSS College in 1964. The mission of the college is to build a vibrant and supportive community of scholars. Our vision is to inspire and enable a better world through our scholarship and teaching



Department of Physics
(IN ASSOCIATION WITH IQAC)

V.T.M. N.S.S. College
Dhanuvachapuram
Thiruvananthapuram-695504

International Webinar Series

“Impacts of Climate Change”

Organising Committee

- Dr. V. M. Anandakumar (Principal)
- Dr. H. Padmakumar (Head, Dept. of Physics) - **Convener**
- Dr. Deepa V. - **Coordinator**
- Dr. K. G. Simi - **Member**
- Mr. R. Satheesh - **Member**

Contact:

Phone:9495392837

email:

physicsdept@vtmnsscollege.ac.in

Register at:

<https://forms.gle/Ufm1BBxt49JgeZzTA>

The screenshot shows a Google Meet session titled "Day 1 'Impacts of Climate Change'". The presenter is S.Suresh Babu. The slide content is as follows:

Aerosols : solid and liquid particles suspended in the air




Size: nm to 100 microns (range of 10^3)
Lifetime: Troposphere (days to weeks) Stratosphere (year)

Primary aerosol: emitted directly into the air
Secondary aerosol: gas to particle conversion

Composition: sulfate, ammonium, nitrate, sodium, trace metals, carbonaceous, crustal, water

Carbonaceous
elemental: emitted directly into the air (e.g. diesel soot)
organic : a) directly by sources (e.g combustion, plant leaf)
b) condensation of low volatile organic gases

The slide also includes images of smokestacks and a landscape with clouds.

<p>Lecture 1</p> <h2 style="color: red;">Aerosols and Climate</h2> <p>(Inaugural Address)</p> <p style="color: red;">28-09-2020 10:30am-12:00pm</p>  <p style="color: red; font-weight: bold;">Dr. S. Suresh Babu</p> <p>Head, Aerosols Trace Gases and Radiative Forcing Branch Space Physics Laboratory, VSSC, ISRO</p>	<p>Lecture 2</p> <h2 style="color: red;">Climate Change: Science and History</h2> <p style="color: red;">29-09-2020 10:30am-12:00pm</p>  <p style="color: red; font-weight: bold;">Dr. Denny P. Alappattu</p> <p>Research Scientist Northwest Research Associates, Boulder, CO, USA</p>	<p>Lecture 3</p> <h2 style="color: red;">Spectroscopic Measurements of Atmospheric Gaseous and Particulate Pollutants Impacting Climate</h2> <p style="color: red;">30-09-2020 10:30am-12:00pm</p>  <p style="color: red; font-weight: bold;">Dr. Ravi Varma M.K.</p> <p>Professor, Department of Physics, National Institute of Technology Calicut</p>
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Dr. Suresh Babu's area of interest is space borne and ground based observations as well as theoretical studies of earth's atmosphere for climate science research. He was instrumental in setting up the national network of aerosol observatories over India under ISRO - GBP, designed and executed thematic field experiments using high altitude balloons, aircrafts and research ships and established aerosol observatories at Himalayas and Polar regions. He has published more than 150 papers in internationally reputed journals and edited books and has several awards to his credit which includes the Ministry of Earth Sciences (MoES) National Award of Excellence in Atmospheric Science & Technology in 2020, **Shanti Swarup Bhatnagar Prize** for the year 2017, Swarna Jayanti Fellowship Award from Department of Science and Technology, Government of India in 2015, NASI-SCOPUS young scientist award from Elsevier Sciences in 2009, National Academy of Sciences India (NASI) platinum jubilee young scientist award in 2009 and Indian National Science Academy (INSA) young scientist medal award in 2006. He is an Associate Editor of the Journal of Earth System Sciences since 2016 and founder member of the Indian National Young Academy of Science (INYAS).

Dr. Alappattu's research primarily focuses on the lower atmospheric processes. He has spent the last 15 years on the observations and modeling of the Ocean-Atmosphere Coupled System and Atmospheric Boundary Layer processes. He participated in several Atmospheric and Oceanographic field experiments conducted in different climatic zones that vary from Tropics to Poles. He began the research career as a Research Fellow at Space Physics Laboratory and received a PhD in Physics from Kerala University in 2011. He is a recipient of the Indian Space Research Organization Research Fellowship. In 2012, he received United States National Research Council Research Associateship. Before joining the Northwest Research Associates, he worked in the Naval Postgraduate School and San Jose State University as Research Associate and Adjunct Faculty. Besides research, Dr. Alappattu has created many logos and illustrations for science projects and publications.

Dr. Varma is a Physicist working in Applied Optics and Instrumentation for Materials Characterization, Health Diagnostics, Air Pollution Monitoring and Climate applications. Monitoring of greenhouse gas (GHG) emissions such as methane and CO2 using optical techniques, and monitoring optical properties of airborne aerosols form major parts of his research experience. His project management experience started from managing developmental and field monitoring campaigns for US Environmental Protection Agency (EPA) and US department of Defense (DOD). He has experience in instrument design, fabrication, control and automation of UV, visible and infrared spectrometers as well as light scattering and extinction instruments. He has over 10 years of teaching experience at various levels.

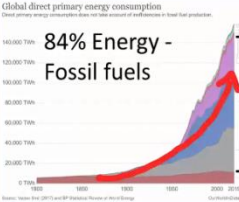
REC

Denny Alappattu is presenting

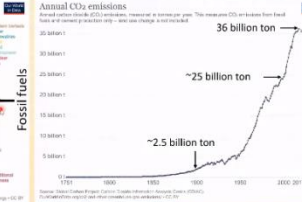
Energy Source

Global direct primary energy consumption


84% Energy - Fossil fuels



Annual CO2 emissions



One National Permit Lorry = 20 tons!!!



1800000000

Day 2 "Impacts of Climate Change" X

People (98) Chat (1)

- SAPAN MOHANTY
- Sariful Haque
- Satheesh R
- Shyma Mary Y
- Simi K G
- streedhu sb
- Sreeji L
- Sujadevi V
- suma sekhar
- Sushree srilekha Mishra
- Unnikrishnan S

Day 2 "Impacts of Cl..."

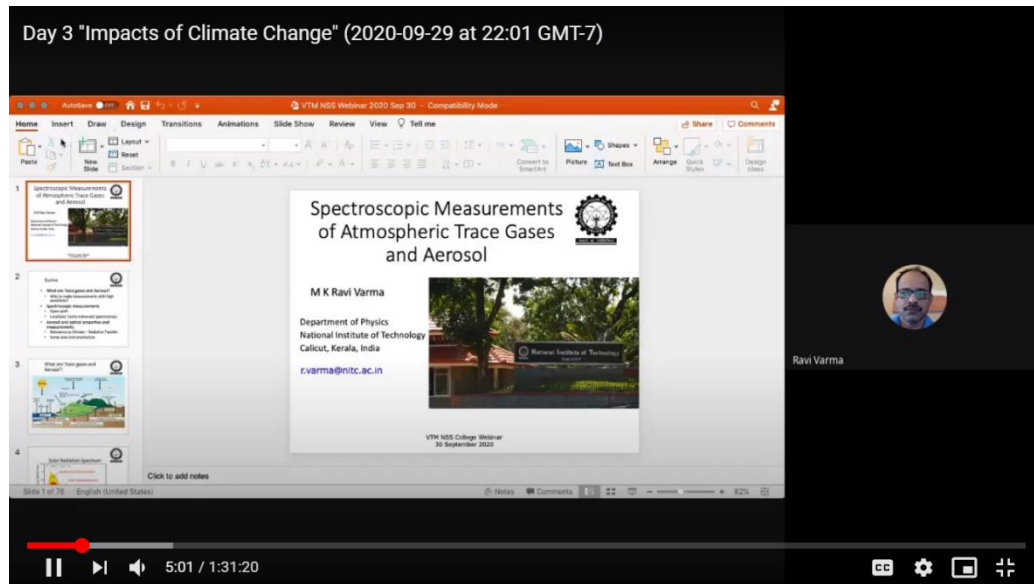
Turn off captions

Denny Alappattu is presenting

attendance 09-29-...csv

attendance 09-29-...csv

Show all X



World Space Week Celebrations 2020

09 October 2020

(Google Meet Platform)

Dr. Deepa V (Coordinator)
Assistant Professor
Department of Physics

Report on World Space Week Celebrations 2020

World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10. These dates commemorate two events:

- October 4, 1957: Launch of the first human-made Earth satellite, Sputnik 1, thus opening the way for space exploration
- October 10, 1967: The signing of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies

World Space Week is the largest annual space event in the world. It helps build up the workforce of tomorrow by inspiring students, demonstrates visible public support for the space programme, educates the public about space activities, and fosters international cooperation in space outreach and education.

The goals of world space week celebrations are

- Provide unique leverage in space outreach and education
- Educate people around the world about the benefits that they receive from space
- Encourage greater use of space for sustainable economic development
- Demonstrate public support for space programs
- Excite young people about science, technology, engineering, and math
- Foster international cooperation in space outreach and education

Theme of World Space Week 2020 is “Satellites Improve Life”. The department of Physics always encourage students to participate in activities which inculcate self-confidence and leadership qualities in students. Faculty of Physics department in association with IQAC decided to organize world space week celebrations online. This year it was proposed to conduct power-point presentation and poster making competition of students as part of world space week celebrations 2020. An organizing committee was constituted comprising of the following faculty members from the Department of Physics.

Programme Convener	: Dr. H. Padmakumar (Head, Dept. of Physics)
Programme Coordinator	: Dr. Deepa V. (Asst. Prof. , Dept. of Physics)
Programme Committee Members	: Dr. K. G. Simi (Asst. Prof. , Dept. of Physics) : Mr. R. Satheesh (Asst. Prof. , Dept. of Physics)

We conducted powerpoint and poster presentations on 09/10/2020 through google meet platform. Dr. V.M. Anandakumar, Principal, VTM NSS College inaugurated the programme. Ms. Shama Pillai , Convener, IQAC, felicitated that the programme should be a success.

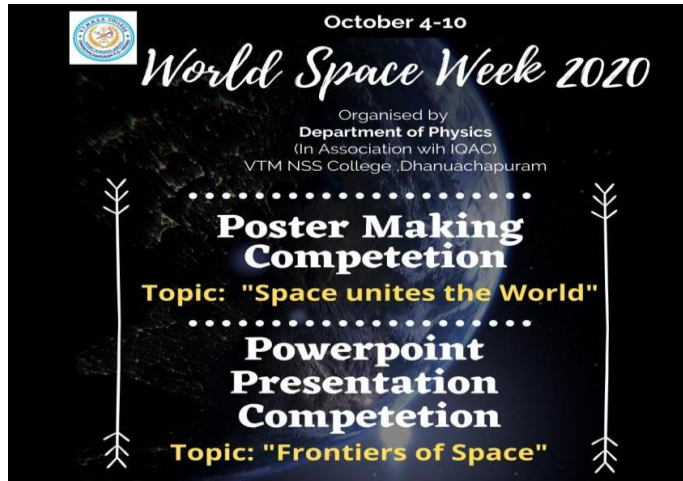
For judging the competition a judging panel was selected. The following faculty members constitute the judging panel.

1. Ms. LekshmiMenon (Assistant Professor, Department of English)
2. Mr. Rakesh S. (Assistant Professor, Department of Commerce)
3. Dr. Gayathri Elayidam (Assistant Professor, Department of Zoology)

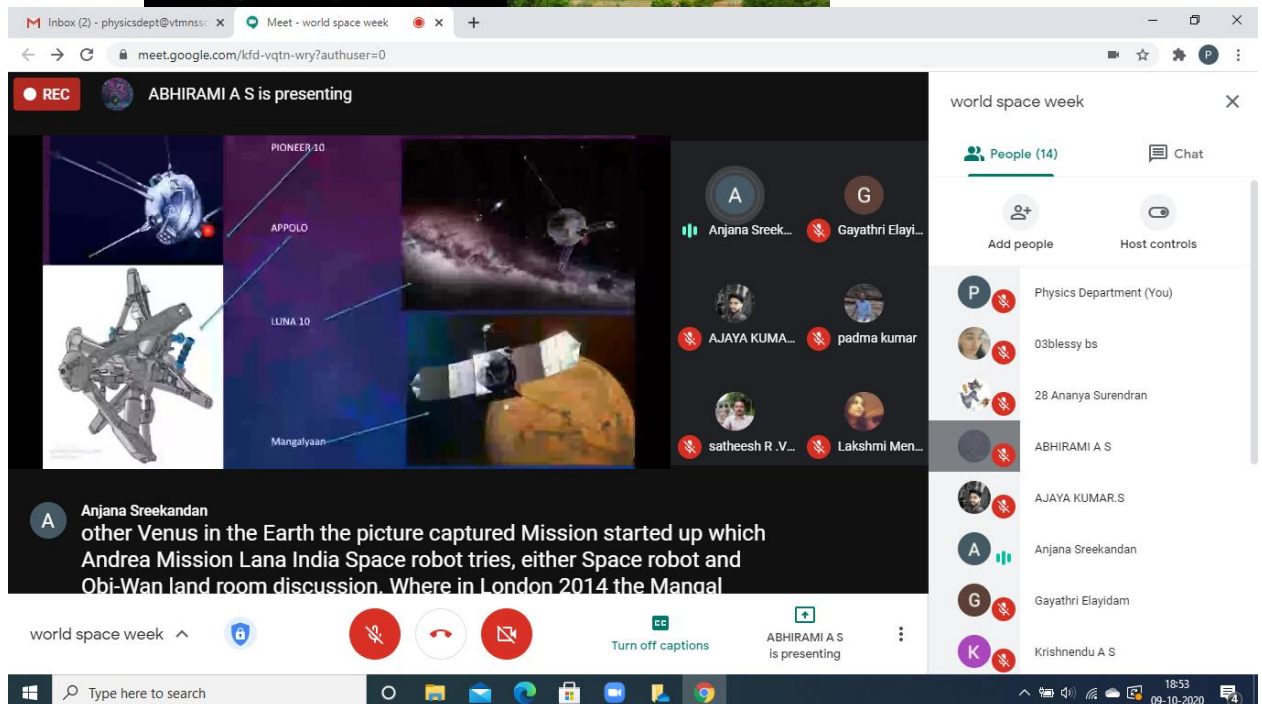
Two students i.e. Ajaykumar S. of S5 Mathematics and Abhirami A.S. of S5 Physics participated in the powerpoint presentation. The topic of the powerpoint presentation is “Advancement in frontiers of space”. Ajaykumar S. presented about space exploration by Indian and other world countries. Abhirami A.S. presented about robotics in space crafts. She explained the types of robots, working and controlling of

robotics. She also mentioned the future applications of robots. The first prize was awarded to Abhirami A.S. and second prize to Ajaykumar s.

There was only one poster presentation. The topic of the poster presentation was ‘Touch the space together’. Vasundahara A.T. of S5 Physics presented her poster.



Register at: <https://forms.gle/dAxcgPsQM4Gt8oay7>
For further details, contact: 9495392837



Meeting interface for "world space week" on Google Meet. The main content area displays a presentation slide titled "DISCOVERY OF SPACE" with the following text:

DISCOVERY OF SPACE

- In 350 BCE, Greek philosopher Aristotle suggested that nature abhors a vacuum, a principle that became known as the horror vacui.
- The modern concept of outer space is based on the "Big Bang" cosmology, first proposed in 1931 by the Belgian physicist Georges Lemaitre. This theory holds that the universe originated from a very dense form that has since undergone continuous expansion.

Below the slide, it says "AJAYA KUMAR.S's Presentation" and "Big Bang Theory states that".

The right sidebar shows 15 participants:

- Physics Department (You)
- 03blessy bs
- 28 Ananya Surendran
- ABHIRAMI A S
- AJAYA KUMAR.S
- AJAYA KUMAR.S (Presentation)
- Anjana Sreekandan
- ARYA S J
- AJAYA KUMA...
- satheesh R. V...
- Gayathri Elayi...
- Lakshmi Men...
- RAKESH SUNIL
- padma kumar

At the bottom, there are controls for video, audio, and captions. The system tray shows the time as 18:33 on 09-10-2020.

Report on Pedestal 2020-21

Invited Lecture by

Dr J.M. Raj

Assistant Professor of Physics

Mahatma Gandhi College,

Kesavadasapuram

Thiruvananthapuram

Topic Anti-Matter What it can do for us?

Organized by Department of Physics

VTMNSS College Dhanuvachapuram Thiruvananthapuram

In Association with IQAC VTMNSS College Dhanuvachapuram

On 10 AM 20th May 2021 (Google Meet Platform)

Topic :Anti-Matter What it can do for us?

As a part of PEDESTAL 2020-21, the department of physics arranged an invited lecture cum interaction session on 10 am, 20 May, 2021 through online medium using Google meet. A total of 64 participants attended the seminar.

Pedestal is a programme conducted by IQAC of our College every year in association with all departments. The programme aims to introduce eminent personalities from various institutions and recent thrust areas of research to students. The programme started with an Inauguration session at 10.00 am. Mr. Satheesh. R, Convenor PEDESTAL 2020-21 started the event by welcoming the important dignitaries and also the students present in the seminar. This followed the Presidential address by Dr. H. Padma Kumar, Head of the Department and Coordinator of the event. He mentioned the importance of the topic to be discussed in the seminar. This was followed by Inaugural Address by Dr. V.M. Ananda Kumar, Principal, VTMNSS College. He mentioned the importance of understanding antimatter and its annihilation phenomenon.

Then the felicitation for the programme was given by Mrs. Shama Pillai, Coordinator, IQAC and Assistant Professor, Department of English and Dr. V.K. Ratheesh Kumar, Hod, Department of Chemistry. The inaugural programme came to an end after the vote of thanks by Dr. Deepa V, Assistant Professor, Department of Physics.

The talk began at 10.30 am, given by the resource person Dr. J.M Raj, Department of Physics, Mahatma Gandhi College, Thiruvananthapuram. It was on the topic –“Antimatter: What it can do for us”.

The talk started with the famous Dirac equation and thus prediction of the presence of antiparticles in addition to particles (electrons). Then he discussed the first antiparticle discovery by Carl Anderson in 1932. The experiment conducted and the result obtained were demonstrated and discussed in detail. He then talked about the interesting antimatter matter symmetry violation (CP violation) observed in pion decay and neutrino oscillations. He then talked about the positron decay mechanism which he used in his PhD course. He also discussed the possible advantages that we can have studying gamma photons obtained by positron annihilation. He also used some of his works using Positron emission spectrometers.

The talk ended with a vote of thanks delivered by Dr. Deepa V. and further a feedback was taken using google forms from students

PEDESTAL 2020-21

ANTIMATTER: 'What it can do for us'

Dr. J.M. Raj
Assistant Professor,
Department of Physics
Mahatma Gandhi College,
Thiruvananthapuram

Join us
On Thursday, May 20th
From 10:00 AM to 12:00 PM

Department of Physics In association with IQAC
V.T.M.N.S.S College, Dhanuvachapuram

ANTIMATTER: 'What it can do for us'

Dear Sir/Madam

Pedestal is a programme conducted by IQAC of our College every year in association with all departments. The programme aims to introduce eminent personalities from various institutions and recent thrust area of research to students.

As part of Pedestal 2020-21, Department of Physics is organizing an invited lecture on the topic "ANTIMATTER: What it can do for us". Every fundamental particle has an antimatter twin, both weighing exactly the same, but exhibiting precisely opposite charge. Its existence was predicted by Paul Dirac in 1928 and the first antiparticle was discovered by Carl Anderson in 1932.

Dr. J.M. Raj, Assistant Professor, M.G. College, Trivandrum, an active researcher in the field of ANTIMATTER would serve as the resource person. All are invited.

Convener: Dr. Department of Physics

PROGRAMME SCHEDULE
Thursday, May 20th, 2021

10:00 am Prayer and Acharya Anustaranam

Welcome Note - Mr. Satheesh R, Convener, PEDESTAL 2020-21
 Presidential Address - Dr. Padma Kumar H, Hod, Dept of Physics
 Inaugural Address - Dr. Ananda Kumar V.M., Principal, V.T.M.N.S.S College
 Felicitations - Mrs. Shama Pillai, Convener IQAC
 - Dr. Ratheesh Kumar V.R, Hod, Dept of Chemistry
 Vote of thanks - Dr. Deepa V., Assistant Professor, Dept of Physics

10:30 am Pedestal Lecture - Dr. J.M Raj, Assistant Professor, Dept of Physics
 and Interaction - M.G. College, Thiruvananthapuram

ORGANIZING COMMITTEE

Chairperson: Dr. Ananda Kumar V.M. (Principal)
 Convener: Mr. Satheesh R (Assistant Professor, Dept of Physics)
 Coordinator: Dr. Padma Kumar H (HOD, Dept of Physics)
 Members: Dr. Deepa V (Assistant Professor, Dept of Physics)
 Dr. Simi K.G (Assistant Professor, Dept of Physics)

5/20/2021 Meet - PEDESTAL 2020-21

REC Raj JM is presenting

Dirac and Antimatter

In 1927 Paul Dirac was working on the problem of combining the theory of the very small (quantum mechanics) with Einstein's special theory of relativity.

He came up with this equation describing the electron:

$$\left[\gamma^\mu (\partial_\mu - ieA_\mu(x)) \right] \psi(x) = 0$$

You DON'T need to learn this equation!!

Participants list:

- Kavya Balachandran
- Lakshmi Menon
- MAACHUR M S
- Mohitha S
- Nikhil Krishnan
- padma kumar
- Physics Department
- Raj JM
- Rathesh Kumar V K
- Rajith R R
- Reekha KS
- Resoni Krishna
- Sahasra L R
- sathesh R VTMNSS C...
- shama pilla
- Shruthy JS
- Sini K G
- Sree Kumaran
- Sudhev Sa
- Sudheesh S S
- Theertha Wood

Rahul R has left the meeting

https://meet.google.com/qpi-brub-msc7aathuasm-5&itn

DISTINGUISHED ALUMNI LECTURE

Dr. Bijini B.R.

Associate Professor,
Mahatma Gandhi College,
Thiruvananthapuram

Topic :Single Crystal X-ray Diffraction : An Overview

21 May 2021 at 10 a.m.

Distinguished Alumni Lecture is an academic and educative programme which is organized every year by each Department in association with IQAC of VTM NSS College. Distinguished alumni of our college are invited to deliver lectures in the field of their expertise. Through this programme students will get an opportunity to interact with the invited alumni. The aim of the programme is to aspire and motivate the students to set and achieve goals.

This year Department of Physics invited Dr. Bijini B.R., Associate Professor, Department of Physics, Mahatma Gandhi College, Thiruvananthapuram. She studied in VTM NSS College for B.Sc. Physics during 1996-1999. She was the class topper in the university exam. She completed M.Sc. and Ph.D. at M.G. College, Thiruvananthapuram. There are 15 papers in peer reviewed international journals to her credit. Two students completed Ph.D. and three more are doing Ph.D. under her guidance.

The programme started with a silent prayer at 10 00 a.m. on 21 May 2021. Dr. Deepa V., Convener of DAL 2021-21 delivered the welcome note. The presidential address was delivered by Dr. H Padmakumar, Head, Department of Physics. Dr. V.M. Anandakumar, Principal, VTM NSS College delivered the inaugural address. Mrs. Shama Pillai, Convener IQAC and Dr. V.K Ratheeshkumar, Head, Department of Chemistry felicitated the programme. Vote of thanks was given by Dr. Simi. K.G., Assistant Professor, Department of Physics. There were 51 students attending the lecture.

The lecturer by Dr. Bijini B.R. was started at 10 30 a.m. on the topic “Single Crystal X-ray Diffraction : An Overview”. She explained different X- Ray diffraction methods such as Laue method, Rotating crystal method, powder method. She also discussed the differences between these different methods and gave an account of the significance of the single crystal X - ray diffraction method over the other methods. The different steps of structural elucidation procedure of crystals by single crystal method was explained. Structures of some crystals were shown to the students using the software "Mercury". She demonstrated how Mercury software can be used to study unit cell parameters, generated powder x_ ray pattern, packing diagram, hydrogen bonds. bond angles, bond lengths, torsion angles etc .

The lecture was followed by an interaction session. Students interacted with the resource person and cleared their doubts in the topic. The interaction session was over at 11 45 a.m. The session was concluded by Dr. Deepa V., convener of the programme. After the session the feedback of the programme was collected from the students through google forms.

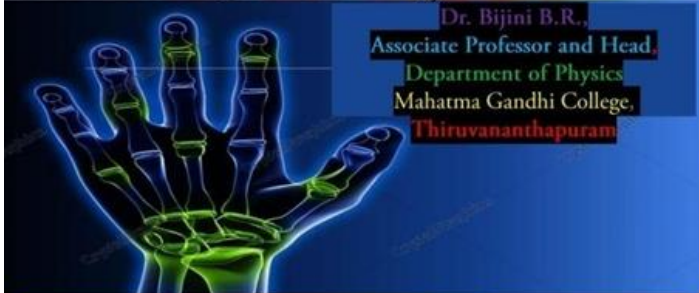
Distinguished Alumni Lecture (DAL 2020-21)

Join us on Friday, May 21th, 2021
from 10:00 AM to 12:00 PM

Single Crystal X-ray Diffraction: An Overview

by
Dr. Bijini B.R.,
Associate Professor and Head,
Department of Physics
Mahatma Gandhi College,
Thiruvananthapuram

Organized by Department of Physics In association with IQAC
V.T.M.N.S.S College, Dhanuvachapuram



Single Crystal X-ray Diffraction: An Overview

Dear Sir/Madam

Physics Department of VTM NSS College, Dhanuvachapuram is organizing DAL 2020-21 in association with IQAC of our college. Distinguished Alumni Lecture is a programme conducted by college every year by all departments. It aims to introduce the distinguished alumni's of our college to the students through lectures or other interactive means thus would motivate and aspire our students. This year we are introducing Dr. Bijini B. R., Associate Professor and Head, M.G College, Trivandrum, who was our college topper in the year 1999.

Convener Hd Department of Physics

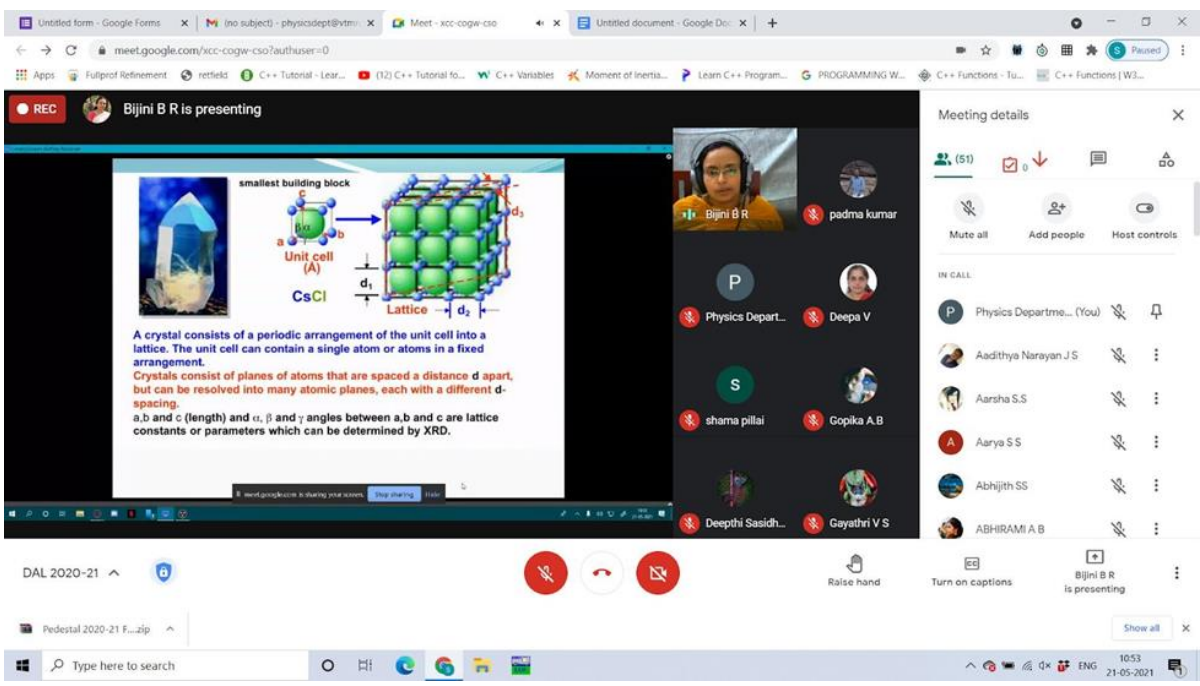
PROGRAMME SCHEDULE

Friday, May 21th, 2021

- 10.00 am Prayer and Acharya Anusmaranam
- Welcome Note - Dr. Deepa V, Convener, DAL 2020-21
- Presidential Address - Dr. H. Padmakumar, HdD, Dept of Physics
- Inaugural Address - Dr. VM. Anandkumar, Principal, V.T.M.N.S.S College
- Felicitations - Mrs. Shama Pillai, Convener IQAC
- Dr. Ratheesh Kumar VK, HdD, Dept of Chemistry
- Vote of thanks - Dr. Simi K.G, Assistant Professor, Dept of Physics
- 10.30 am DAL Lecture - Dr. Bijini B.R, Associate Professor, Dept of Physics
- and interaction - M.G College, Thiruvananthapuram

ORGANIZING COMMITTEE

- Chairperson: Dr. Anandha Kumar V.M. (Principal)
- Convener: Dr. Deepa V (Assistant Professor, Dept of Physics)
- Coordinator: Dr. Padmakumar H (HOD, Physics Dept.)
- Members: Dr. Simi K.G (Assistant Professor, Dept of Phy.)
Mr. Satheesh R (Assistant Professor, Dept of Phy.)



The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "smallest building block" which shows a 3D lattice structure of CsCl. The slide text reads: "A crystal consists of a periodic arrangement of the unit cell into a lattice. The unit cell can contain a single atom or atoms in a fixed arrangement. Crystals consist of planes of atoms that are spaced a distance d apart, but can be resolved into many atomic planes, each with a different d-spacing. a, b and c (length) and α , β and γ angles between a, b and c are lattice constants or parameters which can be determined by XRD." The meeting details panel on the right lists 51 participants, including Dr. Deepa V, Dr. Ratheesh Kumar VK, and Dr. Simi K.G.

REPORT ON ONE DAY STUDENTS' SEMINAR

"THE LEGACY OF ALFRED NOBEL"

28th MAY 2021,FRIDAY

Second B.Sc. Physics students of VTM NSS College, Dhanuvachapuram organized a one day seminar on the topic "The Legacy of Alfred Nobel" on 28th May 2021, Friday through online platform Google Meet. An organizing committee has been constituted by the students and the office bearers were Jyothima J.M.(Student Coordinator), Anoop S.(Student Convenor), and Govind Krishna, Gayathri V.S, Aswin Krishna, Reshmi Krishnan and Harikrishnan G.S as members. The seminar focused on the history of Nobel prize and the details about the Nobel laureates of 2020 in Physics and Chemistry

The programme started at 10.00 a.m. with a prayer by Gayathri V.S. The welcome note was given by Anoop S. Dr H Padmakumar, Head, Department of Physics delivered the presidential address. He had given an introduction of the programme. The inaugural address was given by Dr. V.M. Anandakumar, Principal, VTM NSS college. He discussed the advancement of science and technology. Ms Shama Pillai, Convenor, IQAC and Dr. Ratheeskumar V.K.,Head, Department of Chemistry felicitated the programme. Faculty of Physics Dr. Deepa V., Dr. Simi K.G., Mr. Satheesh R. and the B.Sc. Physics students attended the meeting. There were 63 participants.

There were three technical sessions in the seminar. The first session was handled by Jyothima J.M. on the topic "What is the Nobel Prize?". The origin of the Nobel prize has been discussed. The Indians who received the nobel prize in various fields have also explained in detail. The Nobel prize is an annual award for outstanding intellectual achievement. It is often considered as the most prestigious award. Govind Krishna G. gave us a detailed note on the topic "Nobel prize in Physics 2020". The Nobel prize for Physics in 2020 was awarded to Roger Penrose , Andrea Ghez , and Reinhard Genzel. They were awarded for the discovery that black hole formation is a robust prediction of the general theory of relativity and for the imaging of M87 black hole. Anusree C.S. discussed the topic "Nobel prize in Chemistry 2020".Two of the biochemists Jennifer Doudna and Emmanuelle Charpentier won Nobel prize for Chemistry in the year 2020.They were awarded for the development of a genetic tool Crispr Cas 9. The entire programme was hosted by Reshmi krishnan. The programme wrapped up around 12.00 p.m. and the vote of thanks was given by Harikrishnan G.S.

“INVENTIO 2021”

A two day National Webinar

Aerosol Optical Properties Impacting Climate: Methods and Measurements

Organized

by

Department of Physics

In Association with

IQAC

VTM NSS College

Dhanuvachapuram

Thiruvananthapuram, Kerala.

On

09-10 June 2021

(Google Meet Platform)

Dr. Deepa V (Coordinator)
Assistant Professor
Department of Physics

Dr. H. Padmakumar
Head
Department of Physics

The Department of Physics, VTM NSS College, Dhanuvachapuram conducted a Two Day National Webinar “*Inventio 2021: Aerosol Optical Properties Impacting Climate: Methods and Measurements*” on 09.06.2021 and 10.06.2021. The Webinar was organized in connection with the completion of a Major Project sponsored by the Kerala State Council for Science and Technology and Environment (KSCSTE), Trivandrum and helmed by Dr M K Ravi Varma, (Professor, Department of Physics, National Institute of Technology Calicut, as the Principal Investigator), and Co-Investigators, Dr Deepa V (Assistant Professor, Department of Physics, VTM NSS College, Dhanuvachapuram), and Dr Raghu Chatanathodi (Professor, Department of Physics, National Institute of Technology Calicut). The indigenously developed technology – Nephelometer, for detecting and characterising tropospheric aerosols, under the auspices of KSCSTE (SRS Project) was transferred to Optic Solutions Private Ltd, for commercialising purposes. Prof. K P Sudheer (Principal Secretary, S&T Department and Executive Vice President, KSCSTE, Trivandrum) delivered the inaugural address and gave a brief idea regarding aerosols and its impact on climate change. Dr K Vijayakumar (Senior Scientist, S&T Promotion Division, KSCSTE, Trivandrum) delivered the keynote address and presented the principle behind the indigenously developed Nephelometer. Dr V Madhusudanan Pillai (Professor, Dean Research and Consultancy, NIT, Calicut) felicitated Dr Ravi Varma M K and Dr Deepa V for this incredible feat and highlighted the significance of this groundbreaking research. There were 100 participants to attend the inaugural session.

The development of the Nephelometer in detecting atmospheric aerosols is ever pertinent in the present pandemic situation. These aerosols are particles suspended in the atmosphere and are categorised as pollutants, having high health impacts including spreading of biological bodies such as viruses, such as Covid-19. Apart from that they influence the climate and the earth’s energy budget directly by scattering and absorbing solar radiation and indirectly by changing the cloud properties. According to IPCC (The Intergovernmental Panel on Climate Change, a United Nations body), the effect of aerosol on the global environment, air pollution, and climate is poorly understood. Lack of availability of scientific instrumentation at affordable cost is the primary reason for this low level of scientific understanding of the optical properties of these particulate matters in the atmosphere. Integrating Nephelometers are essential tools for measuring light scattering coefficients integrated over all scattering angles. When applied to atmospheric aerosol one can measure single scattering albedo (SSA), a relevant parameter in Climate studies. The research team developed a new integrating Nephelometer, which uses a series of white LEDs and a visible spectrometer to measure light scattered in the direction. The prototype developed was tested in the laboratory and field-tested in China while participating in the Yangtze River Delta Air Quality Monitoring Measurement Campaign in June 2019. The project aims to commercialise this indigenously developed technology for better understanding of the environment and climate.

The two day webinar intended to provide an interface between the technology and the academic fraternity. There were three technical sessions. The first technical session was started at 11 10 a.m. after the inaugural function. The resource person is Dr. Ravi Varma M.K. who is the Principle Investigator of the project. The topic of his lecture is “Spectroscopic Instrumentation”. In his lecture he explained the historical development of spectroscopic instruments. He also explained the theory behind the working of advanced optical spectroscopic instruments. The session ended at 12 00 p.m. There were discussions after the session. There were 52 participants to attend the meeting.

The second session started on 10/06/2021 at 10 00 a.m. Mr. Arun R. , Research Scholar NIT-Calicut and Assistant Professor, Department of Electronics, MAMO College, Kozhikkode delivered the invited lecture. The topic of his presentation is “Aerosol Light Scattering Property: Measurement Techniques”. He mainly focused on the development of the nephelometer and the developed technology. This session was over at 10 45 a.m. followed by a discussion. There were 56 participants to attend the session.

The third technical session was a lecture by Dr. Deepa V. The session started at 10 50 a.m. Her topic of presentation is “Atmospheric Aerosols: Properties and Climate Impacts”. She gave a brief description of climate and climate changes. She also explained the properties of aerosols and how aerosols affect the climate. The session was over by 12 40 p.m. There were discussions after the session. There were 46 participants.

After the third session a feedback of the webinar was taken through Google forms.

Inventio 2021:

A Two Day National Webinar on Aerosol Optical Properties Impacting Climate: Methods and Measurements

Date: 09/06/2021 & 10/06/2021

**Platform: Google Meet
(Link will be shared before the Event)**

**Jointly Organised by
Department of Physics, V.T.M.N.S.S College
In Association with
Internal Quality Assurance Committee**



**We Join hands with
NIT CALICUT & KSCSTE, Trivandrum**

Award of Merit and Felicitation: Dr Deepa V and Dr Ravi Varma M.K, for the Technology Transfer of Indigenously developed Broadband Integrating Nephelometer in SRS Project, sponsored by KSCSTE, Trivandrum



An Insight:

Dum Spiro Spero: While I breathe, I Hope. Today, this is the hope of billions of people living all over the world – realising the importance of the elixir of life – in the event of the present pandemic situation this has become a hard truth. The air we breathe is not oxygen alone but trillions of microparticles and liquid droplets contaminated with the virus. At this juncture, the development of a Broadband Integrating Nephelometer for characterising tropospheric aerosols, an indigenously developed technology becomes ever pertinent as a historic invention in detecting and containing the aerosols. The major project was helmed by Dr Deepa V, Assistant professor, Department of Physics, VTM NSS College, Dhanuvachapuram and Dr Ravi Varma M.K, (Professor, NIT, Calicut) and funded by KSCSTE, Trivandrum. The Two Day Webinar intends to provide an interface between the scientific technology (behind the invention) and the academic fraternity and to honour Dr Deepa V and Dr Ravi Verma M.K. for this momentous achievement.

About the Department

The Undergraduate Department of Physics, VTM NSS College, Dhanuvachapuram, started disseminating knowledge from 1967 onwards, enriching young intellects with the knowledge to excel academically and professionally and guides them towards the greater good of humanity. The Department has a well-equipped research laboratory in the field of Material Science and is credited with one Major UGC project, one SERB project, and the recent Major project (SRS) sponsored by KSCSTE, Trivandrum.

Programme Schedule

Date:- 09-06-2021

Mode: Online, Google Meet

9.30 am – Session 1-Inauguration Ceremony

- Welcome Address – **Mrs. Shama Pillai** – IQAC Convenor
- Presidential Address – **Dr. Ananda Kumar V.M.**- Principal, VTMNSS College
- Inaugural Address – **Prof. K.P Sudheer** - Principal Secretary S & T Department
and Executive Vice President, KSCSTE, TVM
- Key Note Address – **Dr. K. Vijayakumar**- Senior Scientist, S & T Promotion
Division, KSCSTE, TVM
- Felicitation – **Dr. V. Madhusudanan Pillai**- Professor, Dean Research
and Consultancy, NIT, Calicut
- Respondents – **Dr Deepa V**-Assistant Professor, Department of Physics,
VTM NSS College
Dr. Ravi Varma M.K., Professor, Department of Physics,
NIT Calicut
- Vote of Thanks – **Dr. Padma Kumar H.**- Council Secretary and HoD, Physics
V.T.M.N.S.S College

Programme Schedule

Date: 09-06-2021

Mode: Online, Google Meet

10.00 am – Webinar

Session 2- Speaker- Dr. Ravi Varma M.K., Professor, Department of Physics,
NIT Calicut

Topic – Spectroscopic Instrumentation



10-06-2021

Mode: Online, Google Meet

10.00 am – Webinar

Session 3- Speaker- Mr. Arun R., Assistant Professor, Department of Electronics,
MAMO College, Kozhikode

Topic - Aerosol "Light –Scattering Property : Measurement Techniques



Session 4- Speaker- Dr. Deepa V., Assistant Professor, Department of Physics,
VTM NSS College, Dhanuvachapuram

Topic - "Atmospheric Aerosols : Properties and Climate Impacts"



DO IT YOURSELF: ART AND CREATION 2021

Organized

By
IQAC

In Association with
Department of Physics

VTM NSS College
Dhanuvachapuram
Thiruvananthapuram, Kerala.

During
15-24 July 2021

The IQAC of VTM NSS College decided to organize “NAIPUNYA 2021” skill development workshop series. The decision was taken in the IQAC meeting held on 12/07/2021. It was decided such that IQAC will work in tandem with other Departments, Clubs and Committees to organize workshops every month starting from 15/07/2021 as part of World Youth Skill Day. The theme of the programme is “Skills for a resilient youth”. The workshop series intends to give our learners an opportunity to learn a skill and develop it into a passion or an entrepreneurship.

The first programme is by IQAC in association with Department of Physics. An organizing committee was formed as Dr. Deepa V. (Member, IQAC, & Assistant Professor, Department of Physics) as coordinators. Sruthy J.S. and Anoop S. from S5 Physics were selected as student coordinators. The first workshop series is titled as “Do It Yourself (DIY): Art and Creativity”. The aim of the workshop is given training in bottle art, making dream capture etc. Reshma R.V. Alumni of Department of Physics was selected as resource person. She is an expert in this field. She is an entrepreneur. She also has you tube channel to display her creativity “Malus’ creations”.

The workshop series DIY : Art and Creativity was started by an inauguration function held on 15th July 2021 at 06 00 pm on google meet platform. The coordinator Dr. Deepa V. delivered the welcome address. The programme was inaugurated by Dr. V.M. Anandakumar, Principal. VTM NSS College. IQAC Coordinator Ms Shama Pillai and Dr. Sushma Raj R.V. , Secretary, PTA felicitated the training to be a success. The resource person Ms Reshma R.V. gave an introduction about the training. Vote of thanks was delivered by Mr. Anoop S., the Student Coordinator.

There were 6 sessions in the training. Each session started at 06 00 pm and ended at 07 00 pm. There were demonstrations of making the craft items. The sessions are as follows

Day 1 : Dream catcher making

Day 2 : DIY one rupee coin wall décor painting

Day 3 : DIY Pepper leaf wall décor

Day 4 : Flower making with crape paper & pen holder from waste

materials Day 5 : Bottle art – How to paint bottle

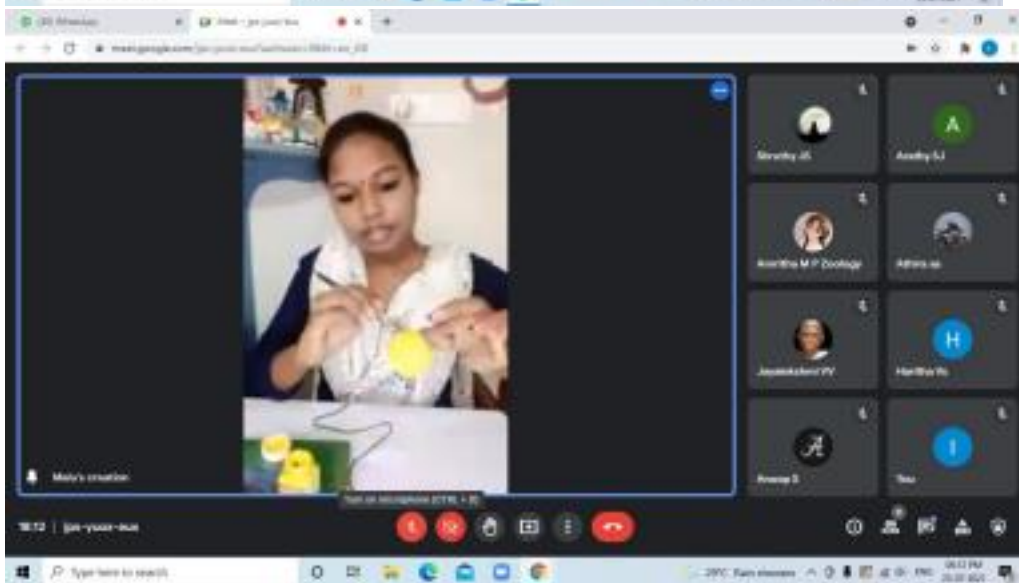
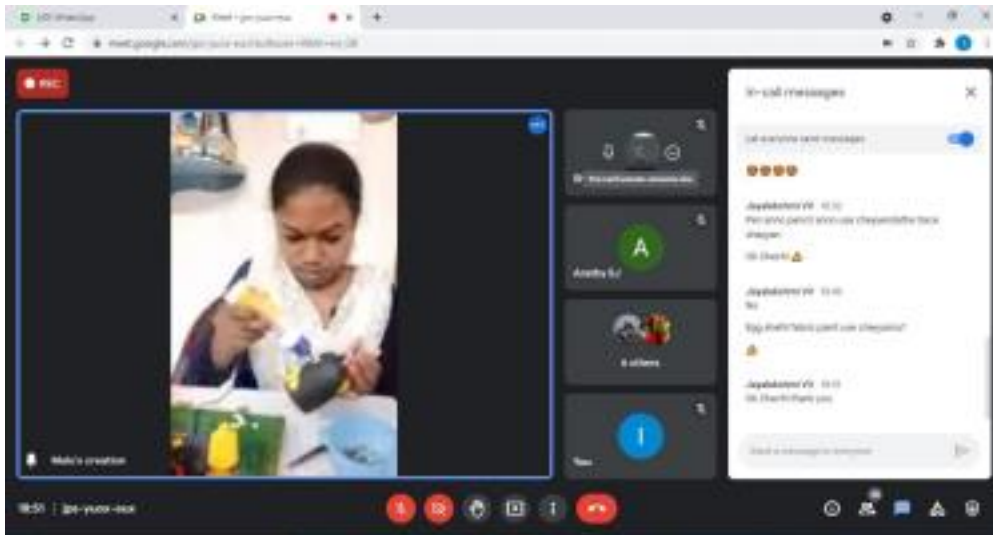
Day 6 : Bottle art- Different bottle decoration ideas

There was a valedictory session on the 7th day i.e. on 24th July 2021. The session started at 05 00 p.m. The welcome address was given by Dr. Bijini B.R. (Head, Department of Physics). Principal Dr. V.M. Anandakumar presided over the function and delivered the presidential address. The chief guest of the function was Dr. Parvathy Menon, Retd.

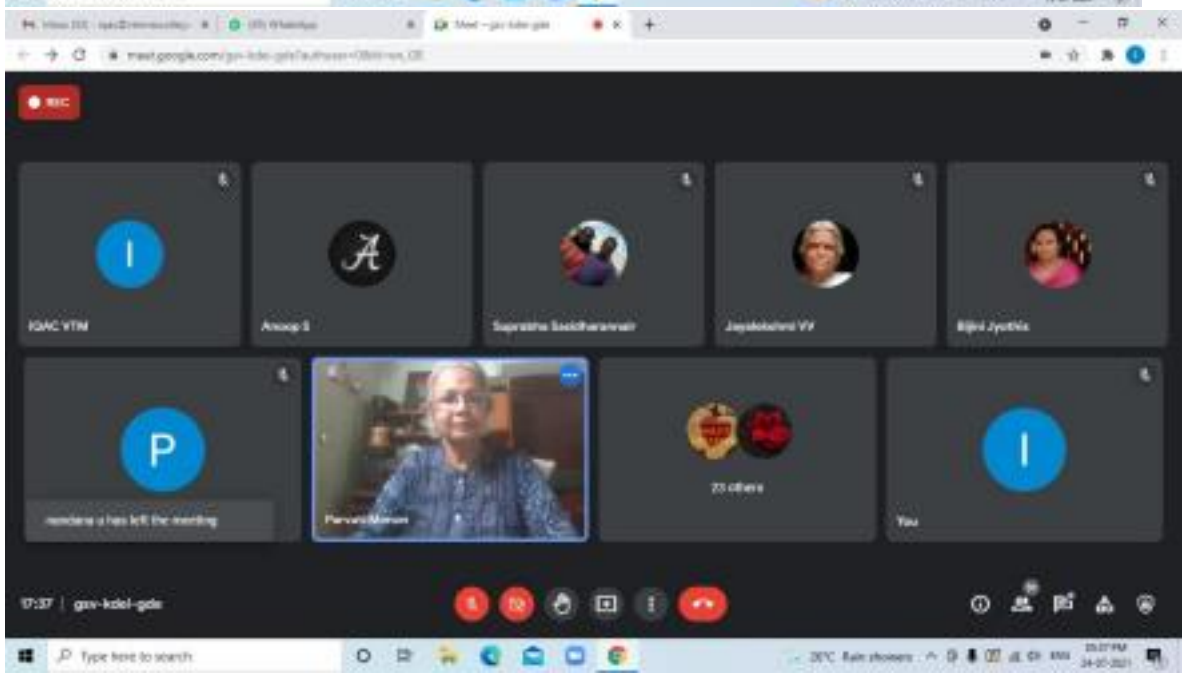
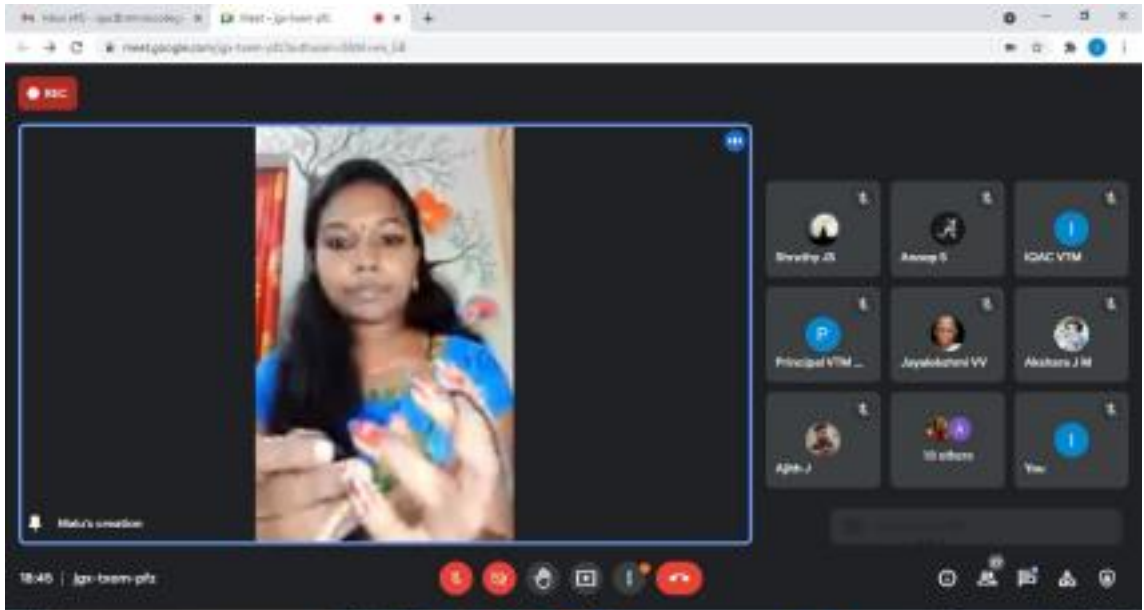
Associate Professor & Head, Department of Botany, NSS Women's College, Karamana.

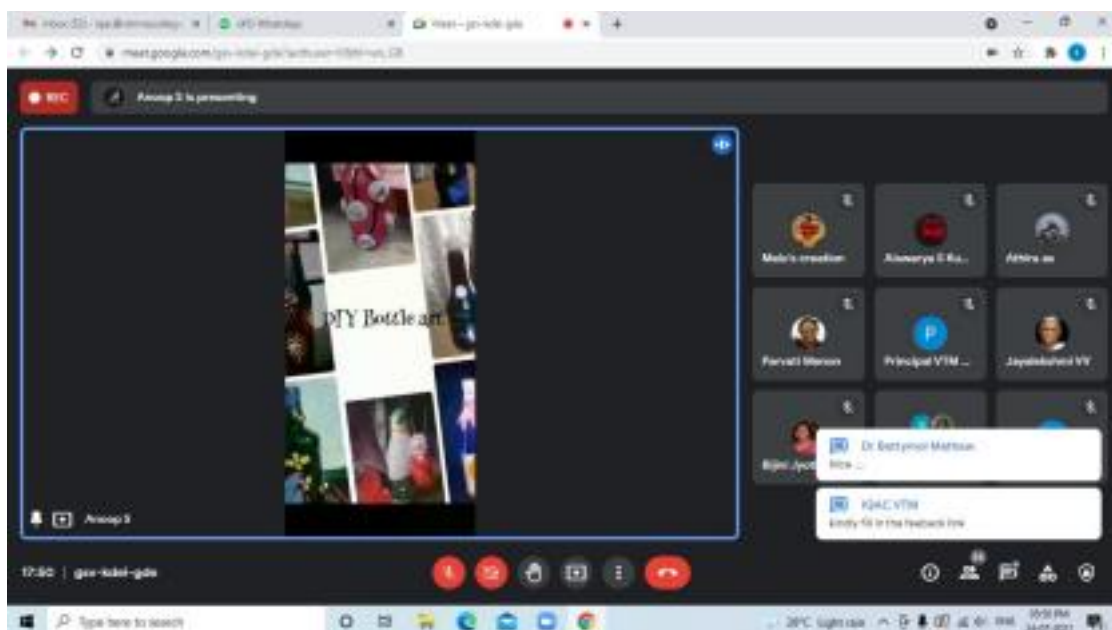
2

Feedback about the programme was collected from the students. In the feedback students mentioned that this was a good initiative. They suggested to provide more sections related to eco friendly product making.



3







**VTM NSS COLLEGE
DHANUVACHAPURAM**

IQAC organises
Naipunya 2021

SKILL DEVELOPMENT
TRAINING WORKSHOP SERIES

"Skills for a Resilient Youth"

As part of World Youth Skill Day
July 2021

In association with department of physics
Workshop 1
DIY Art and Creativity
15/07/2021-24/07/2021

★ ★ ★

PLATFORM- GOOGLE MEET
DATE: 15/07/2021
AT 9AM



PROGRAMME SCHEDULE
Inaugural Session

Welcome Speech	Dr. Deepa V (Member/IQAC and Asst. Professor Dept of Physics)
Presidential Address	Dr. Ananda Kumar V. M (Principal VTMSS College)
Trainer	Reshma R. V (Resource person)
Felicitation	Ms. Shama Pillai (IQAC Coordinator) Dr. Sushama Raj R V (Asst. Professor Dept of Botany)
Vote of Thanks	Anoop S (Student Coordinator 88 Dept of Physics)

Technical Session
RESHMA R.V

Training Session:
Dream Catcher & Rocket Making

Dr. Ananda Kumar V. M College, Dhanuvachapuram is organising NAIPUNYA 2021 - Skill development training programme series on 15/07/2021. The theme of the series is "Skills for a Resilient Youth".

The first training programme in the series is "DIY Art and Creativity". The workshop intends to provide an opportunity to learn a skill that they can develop as a hobby or as part of an entrepreneurship.

This training series is free of cost and students with genuine passion can join this programme.

Maximum number of students intake - 30. A form link will be shared for registration along with the brochure and on successful registration students are required to join a whatsapp group. The link is also shared along with the brochure.

Coordinator
Dr. Deepa V
Student Coordinator
Sruthy J S, Anoop S

5

World Space Week Celebrations 2020

Organized
by
Department of Physics
In Association with

IQAC

VTM NSS College
Dhanuvachapuram
Thiruvananthapuram, Kerala.

On
04 and 09 October 2021
(Google Meet Platform)

Dr. Deepa V (Coordinator)
Assistant Professor
Department of Physics

Dr. H. Padmakumar
Head
Department of Physics

Report on World Space Week Celebrations 2021

World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10. These dates commemorate two events:

- October 4, 1957: Launch of the first human-made Earth satellite, Sputnik 1, thus opening the way for space exploration
- October 10, 1967: The signing of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies

World Space Week is the largest annual space event in the world. It helps build up the workforce of tomorrow by inspiring students, demonstrates visible public support for the space programme, educates the public about space activities, and fosters international cooperation in space outreach and education.

The goals of world space week celebrations are

- Provide unique leverage in space outreach and education
- Educate people around the world about the benefits that they receive from space
- Encourage greater use of space for sustainable economic development

- Demonstrate public support for space programs
- Excite young people about science, technology, engineering, and math
- Foster international cooperation in space outreach and education

Theme of World Space Week 2021 is “Women in Space”. The Department of Physics always encourage students to participate in activities which inculcate self-confidence and leadership qualities in students. Faculty of Physics Department in association with IQAC decided to organize world space week celebrations online. This year it was proposed to organize an invited talk by a women scientist and conduct power point presentation by students as part of world space week celebrations 2021. An organizing committee was constituted comprising of the following faculty members and student representatives from the Department of Physics.

Programme Convener	: Dr. Bijini B.R. (Head, Dept. of Physics)
Programme Coordinator	: Dr. Deepa V. (Asst. Prof. , Dept. of Physics)
Programme Committee Members	: Dr. V.N. Praveen (Asst. Prof. , Dept. of Physics) : Mr. R. Satheesh (Asst. Prof. , Dept. of Physics)
Student Members	: Shruthy J.S. (S5 Physics) Anoop S. (S5 Physics)

The inauguration of World Space Week 2021 was scheduled on 5th October 2021 at 06 30 p.m. through online platform google meet. We arranged an invited lecture in the inaugural session. Dr. Bijini B.R. Head, Department of Physics presided over the function. Dr. Deepa V. in her welcome speech invited all the faculty members and students to the meeting. Dr. Bijini B.R. delivered the presidential address. She explained the purpose of celebrating the World Space Week. Dr. V.M. Anandakumar, Principal, VTM NSS College inaugurated the World Space Week Celebrations 2021. In his inaugural address he mentioned that there are so many women scientists who holds various key positions in area of Space Research and Technology. Ms Shama Pillai, Convener, IQAC and Ms Sreeja T.G., Head, Department of Chemistry felicitated that the programmes arranged as part of World Space Week 2021 would be a grand success. Dr. V.N. Praveen, Faculty, Department of Physics delivered vote of thanks. Ms Reshmi Krishna of S5 Physics was the host of the programme.

We arranged an invited lecture for the inaugural session. The resource person is Dr. Smitha V.Thampi, Scientist SF, Planetary Science Branch, Space Physics Laboratory, Vikram Sarabhai Science Centre, ISRO. She delivered a lecture on the topic “Space Weather”. She explained the “Space Weather” as the variations in the space environment between sun and earth. She also explained the importance of understanding space weather because it produces impacts on systems and technologies in orbit and on Earth. She gave examples of “space weather’ such as aurora, coronal mass ejection etc. She mentioned about space weather prediction

centres. Dr. Smitha Thampi motivated the students by telling scope of research and job opportunity in the field of Space Research. There were 52 participants to attend the programme.

The second session of the programme was scheduled on 9th October 2021 at 10 30 a.m.

The programme for the second session was the presentations by students. There were three presentations by B.Sc. Physics students. The participants were Vignesh V.S. (S3 Physics), Abhijith S.S. (S5 Physics) and Amitha S.R. (S5 Physics). Vignesh V.S. presented on the topic “What is space ?”. He also talked about space tourism. In his presentation he gave a brief history of space exploration. Abhijith S.S. presented the topic “Why are planets round?”. Amitha S.R. presented about the pioneering women in space.

Thirty five students attended second session. At the end of the programme feedback from students were taken. Almost 90 % of the students responded that they could gain knowledge through this programme. 53.8 % responded excellent and 46.2% responded very good for the rating of the lecturer of the resource person. 92% of the participants required similar programmes in future.

The screenshot shows a Google Meet interface during a presentation. The main window displays a slide titled "Space Weather Impact" with a diagram illustrating the effects of solar activity on Earth. The diagram shows a satellite in space being affected by "Energetic Electrons" and "Solar Flare Protons". On Earth, it shows "Damage to Spacecraft Electronics", "GPS Signal Scintillation", "Radiation Effects on Avionics", "Geomagnetically Induced Current in Power Systems", "Induced Effects in Submarine Cables", and "Turbulent Currents in Pipelines". The slide includes a URL: https://www.nasa.gov/mission_pages/stp/science/stp-spaceweather.html and a slide number "7".

The Meet interface shows a "REC" button, the presenter's name "Smitha V. Thampi is presenting", and a grid of participants including Smitha V. Thampi, Resmi Krishna, V.N.Praveen, Physics Depart..., IQAC VTM, Bijini Jyothis, Anakha Sureash, 43 others, and You. The bottom status bar shows the time "7:08 PM | World Space Week 2021", system tray icons, and the date "07:08 PM 05-10-2021".

REC Smitha V. Thampi is presenting

Space Weather Prediction Centres

The screenshot displays the homepage of the Space Weather Prediction Center (SWPC). At the top, there are navigation tabs for HOME, ABOUT SPACE WEATHER, PRODUCTS AND DATA, PUBLICATIONS, MEDIA AND RESOURCES, EDUCATION, PARTNERS, METEOR, and RESEARCH. Below this, a 'SPACE WEATHER CONDITIONS' section features a grid of colored indicators (Red, Green, Yellow) for different regions. A central image shows three spheres representing Earth, the Sun, and a satellite. Below the image, there are several news articles with titles such as 'NASA Announces Appointment to New Space Weather Advisory Group', 'ESA Announces Appointment to New Space Weather Advisory Group', and 'NASA Space Weather Data Processing Improved in SWPC'. At the bottom, there are sections for 'CENTRAL SPACE WEATHER COMMUNITY' and 'THE SWPC'.

V.N.Praveen has left the meeting

Smitha V. Thampi	jithu Phy S1	Bijini Jyothis
Physics Depart...	Dr Gopika G G	ATHIRA RAJ L
Abhija A u	31 others	You

Browser tabs: Inbox (25) - physicsdept@vtmns, WhatsApp, Meet - vay-oevg-btc

Address bar: meet.google.com/vay-oevg-btc

Meeting title: Abhijith SS is presenting

Participants:

- Resmi Krishna
- Shruthy JS
- Physics Depart...
- Vignesh. V. S
- AMITHA S R
- Niranjana Arun ...
- Jyothi Malu
- 26 others
- You

10:46 AM | vay-oevg-btc

System tray: 26°C Light rain, 10:46 AM 09-10-2021

Browser tabs: Inbox (25) - physicsdept@vtmns, WhatsApp, Meet - vay-oevg-btc

Address bar: meet.google.com/vay-oevg-btc

Meeting title: Vignesh. V. S is presenting

Participants:

- Resmi Krishna
- Physics Depart...
- Abhijith SS
- Shruthy JS
- AMITHA S R
- GOVIND KRISH...
- Jyothi Malu
- 25 others
- You

11:05 AM | vay-oevg-btc

System tray: 26°C Light rain, 11:05 AM 09-10-2021

Report on the Webinar organized by Research Committee
in association with IQAC and Departments of Physics and
Chemistry

“How to Create a Successful Career in Research”

Date : 27 - 11 – 2021

Time : 11 a.m

Platform : Online Mode (Google Meet)

Dr.Bijini B R
(HOD Physics)

Dr.V.N.Praveen
(Program Convener)

Research gives us a solid foundation on which we can build our ideas and opinions. Doing it systematically and with correct directions and support with the strong basic knowledge gathered creates wonders. We have to promote and sow seeds fueled by curiosity. Young minds are really a source of inspiration and research helps restore and protect memory and enhances mathematic and problem-solving skills. Therefore, it prepares the mind for a better understanding of concepts and theories. A person's learning capacity is improved and they can perform better in all walks of life.

OBJECTIVES

To provide aspiring researchers with valuable insights, guidance, and practical tips to help them navigate their research careers effectively. The talk aims to inspire and empower attendees to develop the necessary skills, mindset, and strategies to build a thriving career in the field of research. By the end of the talk, participants should have a clear understanding of the key steps involved in establishing and advancing a successful research career, as well as the challenges they may encounter and how to overcome them. Ultimately, the objective is to equip attendees with the knowledge and tools they need to make informed decisions and take proactive steps towards achieving their research goals.

An online meeting was conducted where Principal Dr.V.M.Anandakumar, IQAC Coordinator Ms. Shama Pillai , members of Research committee, Departments of Physics and Chemistry were present. Dr.Bijini B R chaired the meeting. It was decided to conduct a webinar on a topic of the importance of doing research. Dr.V.N.Praveen was selected as the Program Convener. It was unanimously decided to make the students actively participate and make the talk simple and informative as they are undergraduate students which will trigger their ideas and will make to understand the importance of research.

Dr.Rakhi R B , Principal Scientist, Materials and Technology Division, CSIR NIIST, Thiruvananthapuram was selected as the Resource Person. She is one of our proud alumina (1995 -1998 BSc batch). Her name was included in the list of top 2% highly cited researchers in 2019 released by Stanford University, USA published in PLOS Biology on 16th October 2020 for the research in the field of Applied Physics - Nanotechnology. She was ready to deliver a talk webinar on the topic "How to create a successful career in research".

Dr. Rakhi with her vast experience established a positive relationship with the audience. The topic revolved around the areas of science and technology and its impact in remolding our lives. She focused her presentation on the areas where there are lots of opportunities to be explored. She urged the need of research for the holistic development of the society and emphasized the role of youth in helping to build our nation. There was active participation from the participants and she was patient enough to explain the queries put forth.



 **VTM NSS COLLEGE
DHANUVACHAPURAM**

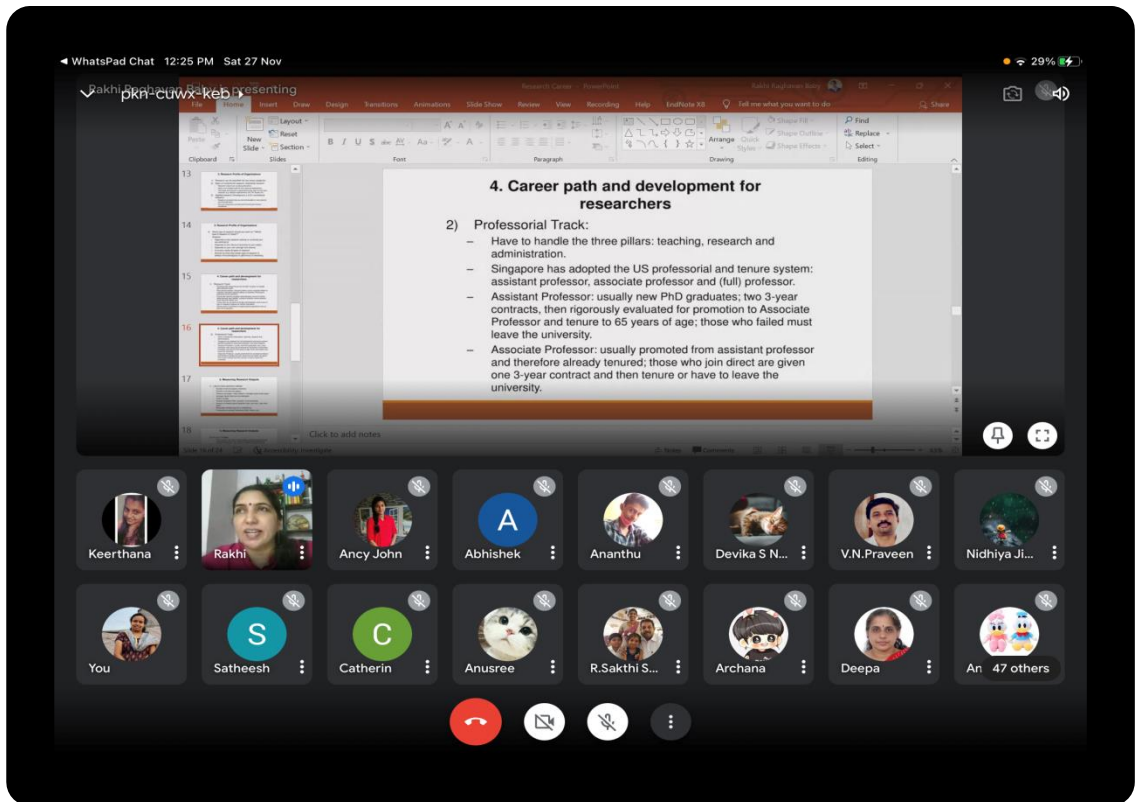
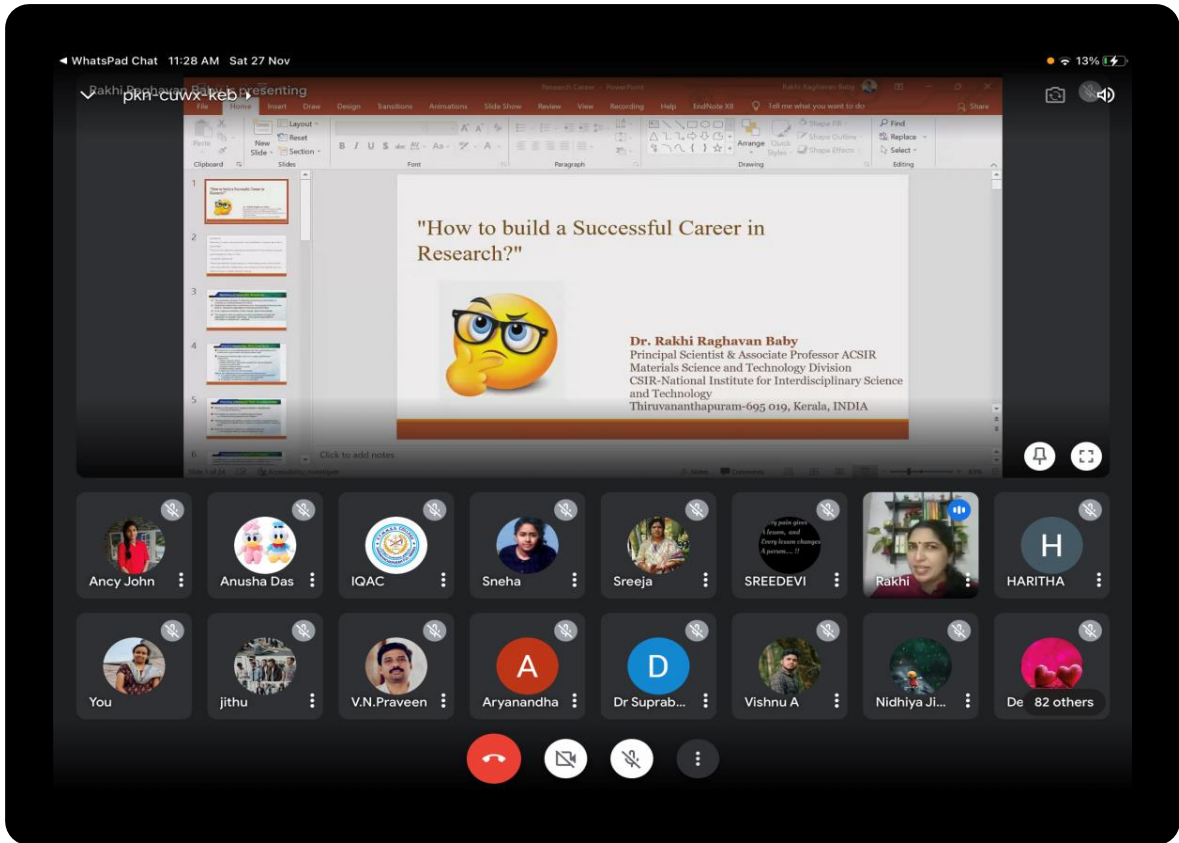
Research Committee in association with
Department of Physics and Chemistry and
IQAC organise

A Webinar on the topic

**“How to create a
successful career in
research”**

Platform: Google meet
Date: 27/11/2021
Time: 11:00 AM


Resource person
Dr. Rakhi R.B
Principal Scientist, Material Science and Technology Division
CSIR NIIST, Thiruvananthapuram



WORLD OZONE DAY 2021

THEME: Keeping us, Our Food and Vaccines Cool

ACTIVITIES: SOCIAL AWARENESS PROGRAMME

MODE: GOOGLE MEET

DAY: 16-09-2021 FN

Organized by

Department of Physics

VTM NSS College

Dhanuvachapuram

Thiruvananthapuram, Kerala.

In Association with : IQAC and Science Club, VTMNSS College

Satheesh R.
Coordinator

Dr Bijini B R
Head, Department of Physics

WORLD OZONE DAY 2021-FN

SOCIAL AWARENESS PROGRAMME FOR HIGHER SECONDARY STUDENTS **Extension Programme**

**Organized by Department of Physics, In-association with Science Club and IQAC,
VTMNSS College**

Date:- 16-09-2021

Time:- 10.30 am

Medium-Google Meet

Objective: -

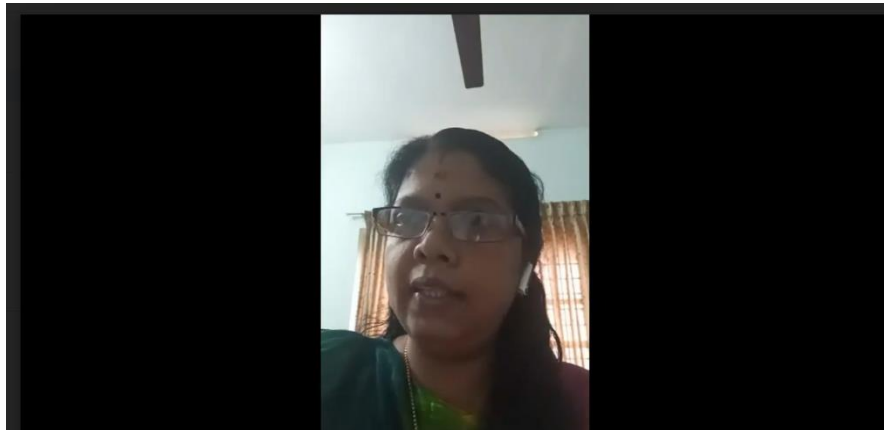
From the year 1994, when the United Nations General Assembly proclaimed 16 September the International Day for the Preservation of the Ozone Layer, commemorating the date of the signing, in 1987, of the Montreal Protocol on Substances that Deplete the Ozone Layer, the world ozone day is been celebrated every year all over the world. We have to educate students of young age on the importance of the observance of such an event. In this view, VTMNSS College under the leadership of the department of physics in association with IQAC and the Science club of the college planned an online awareness program regarding the need to protect the ozone layer.

Methodology: -

Higher Secondary Science students from nearby school (VTMNSS Higher Secondary School, Dhanuvachapuram) were selected as the target audience for the online awareness program. The awareness was imparted in the form of online presentations regarding ozone, its science of formation and depletion, ozone-depleting substance, man-made contribution to depletion and the steps to protect the ozone layer. These presentations were prepared and delivered by the second-year B.Sc. Physics students of our college. This ensured active participation of students and knowledge exchange between the two institutions.

Inaugural Session: -

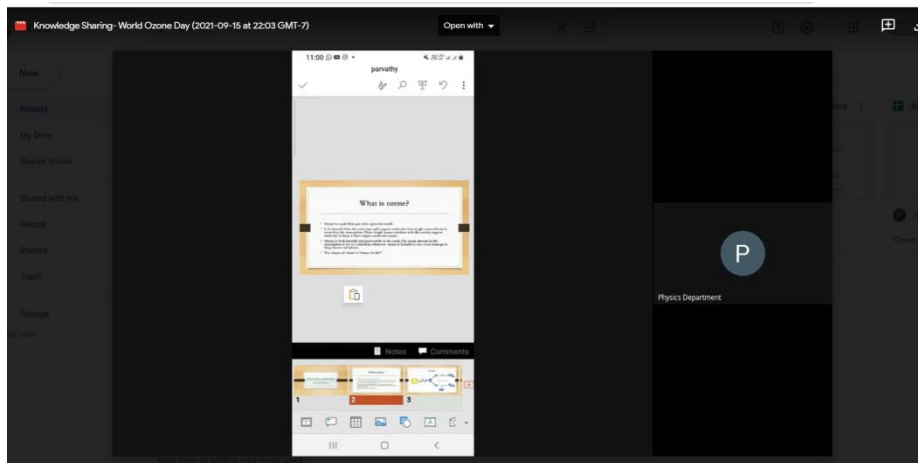
The inaugural session started with Prayer and Acharya Anusmaranam followed by a welcome note by Dr. Bijini B.R (Hod Department of Physics, VTM NSS College). Dr. Remesh Kumar S. (Principal in-charge, VTM NSS College, Dhanuvachapuram) delivered the presidential address. Mrs. Manjusha K.S (Principal, VTM NSS Higher Secondary School) delivered the inaugural address and also thanked the college and Department of Physics for arranging such an awareness workshop. The felicitations were given by Mrs. Shama Pillai (IQAC Convenor) and Mrs. Manju. M.J. (Convenor, Science Club) for the program.



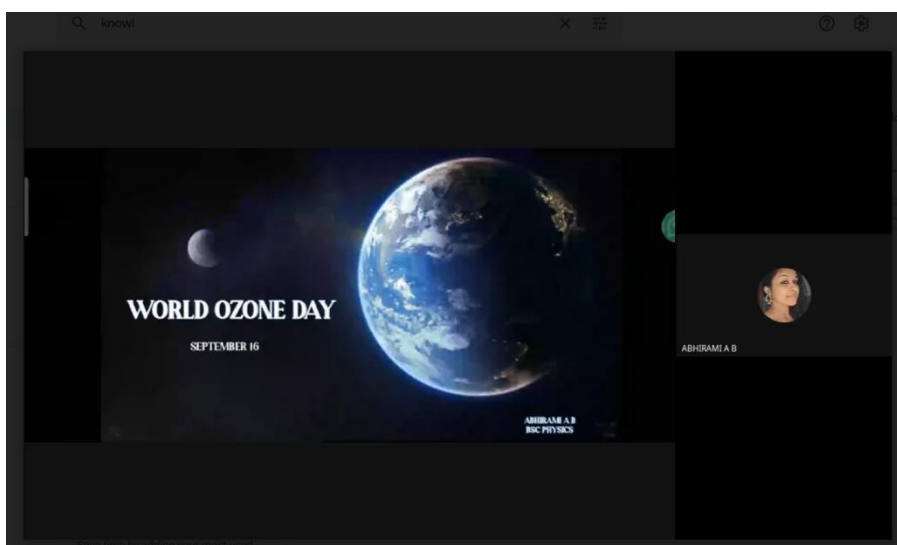
This was followed by presentation by

1. Ms. Parvathi Krishna (II year B.Sc Physics)-

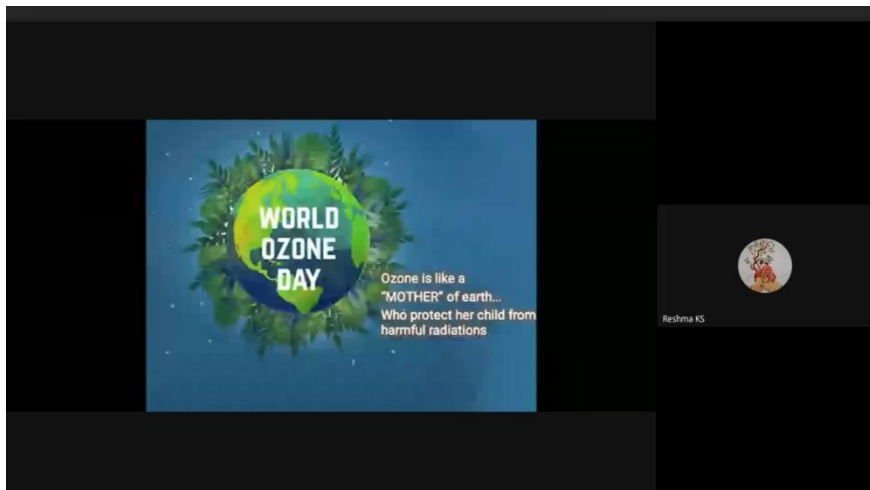
Introduction to Ozone and Ozone layer. Its discovery, usefulness and importance were discussed. Also, World ozone day and its importance was hinted.



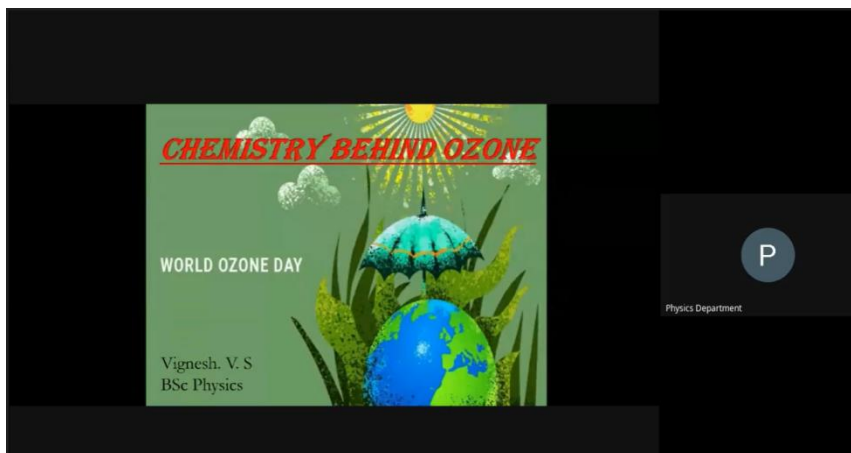
2. Ms. Abhirami A.B (II Year B.Sc Physics) discussed the discovery of the Ozone Layer in detail, its location in atmosphere, the causes of its Depletion, and ozone hole.



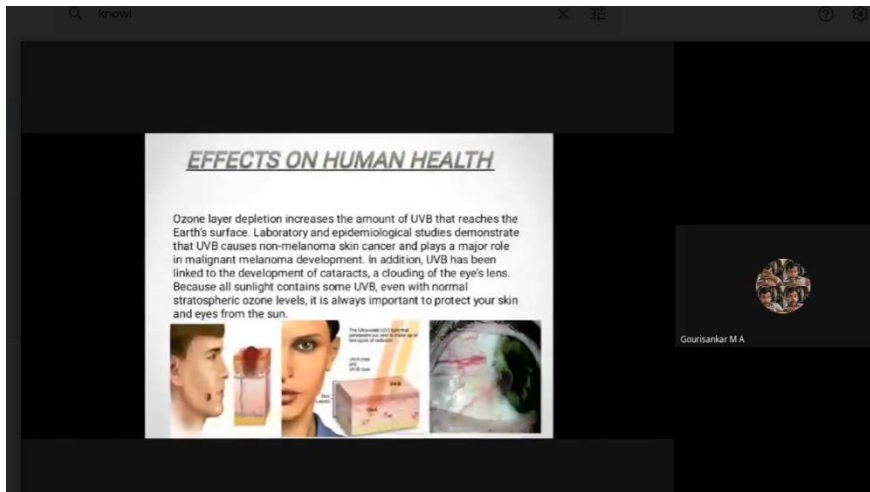
3. Ms. Jyothika B.S (II Year B.Sc Physics)- Ozone Layer and UV Rays. She discussed the types of UV rays and their difference in effect and energy.



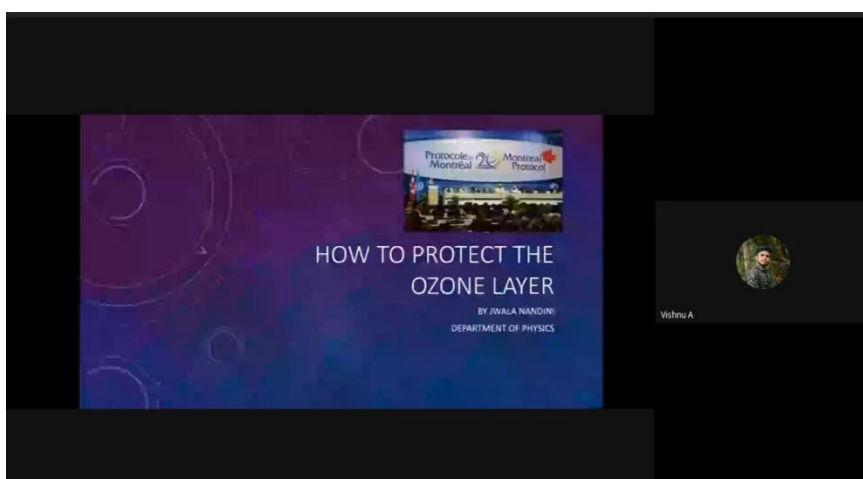
4. Mr. Vignesh V.S (II Year B.Sc Physics)- Chemistry Behind Ozone formation was discussed in this session.



5. Mr.Vishnu A (II Year B.Sc Physics)-Effects of Ozone Layer Depletion on human health and ecological health was discussed in this session.



6. Ms. Jwala Nandini- How to protect ozone and Montreal Protocol were discussed here. The role of students in the protection of the ozone layer was highlighted.



The session ended at 12.45 in the afternoon. Finally the session was concluded with a vote of thanks by Shri. Satheesh R (Convenor, WOD-2021). The program was attended by 90 students of Higher Secondary Science Students. Feedback of the session was collected.

WORLD OZONE DAY 2021

THEME: Keeping us, our food and vaccines cool

FOCAL THEME: WOMEN IN SCIENCE

ACTIVITIES: INTERNATIONAL WEBINAR,

MODE: GOOGLE MEET

DAY: 16-09-2021 AN

(INTERNATIONAL WEBINAR ON SUPERCAPACITORS)

Organized by

Department of Physics

VTM NSS College

Dhanuvachapuram

Thiruvananthapuram, Kerala.

In Association with : IQAC and Science Club, VTMNSS College

Satheesh R.
Coordinator

Dr. V.M Anandakumar
Principal, VTM NSS College
Dhanuvachapuram

WORLD OZONE DAY 2021-AN

INTERNATIONAL WEBINAR ON SUPERCAPACITORS

Organized by Department of Physics, In-association with Science Club and IQAC,
VTMNSS College

Date:- 16-09-2021

Time:- 02.30 pm

Medium-Google Meet

16-09-2021 PROGRAMME SCHEDULE

Time:- 2.30 pm

Medium-Google Meet

2.30-3.00 pm

Inauguration

Prayer

-II DC BSc Students

Acharya Anusmarnam

Welcome Address

Mr. Satheesh R, Convenor, Dept of Physics

Presidential Address

Dr. BijiniB. R., HoD,
Dept of Physics

Inaugural Address

Dr. AnandakumarV.M, Principal, V.T.M.N.S.S College

Felicitations

Ms. ShamaPillai,
IQAC Convenor
Ms. Manju M.J., Convenor, Science Club

Vote of Thanks

Dr. Praveen V N, Assistant Prof, Dept of Physics

3.00 –4.00 pm

Webinar-Dr. LibuManjakkalUniversity of Glasgow, UK

4.00 pm

Feedback

National Anthem

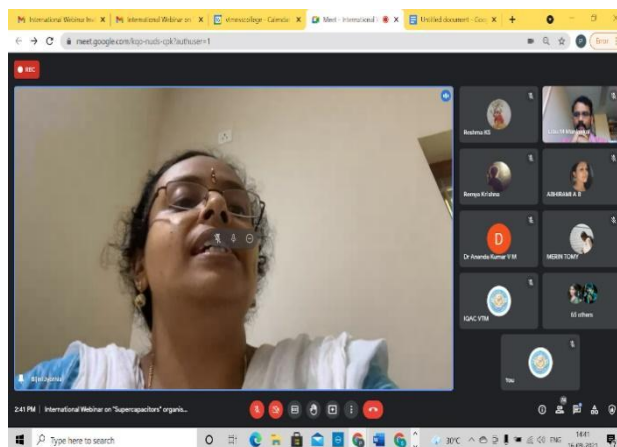
Objective: -

From the year 1994, when the United Nations General Assembly proclaimed 16 September the International Day for the Preservation of the Ozone Layer, commemorating the date of the signing, in 1987, of the Montreal Protocol on Substances that Deplete the Ozone Layer, the world ozone day is been celebrated every year all over the world. In this view, VTMNSS College under the leadership of the department of physics in association with IQAC and the

Science club of the college has planned an online webinar on one of the trending areas of research in physics, the supercapacitor. The resource person of this webinar did his education in India onto post-graduation. Thus, arranging sessions with such distinguished personalities would also motivate the students for searching for higher studies abroad.

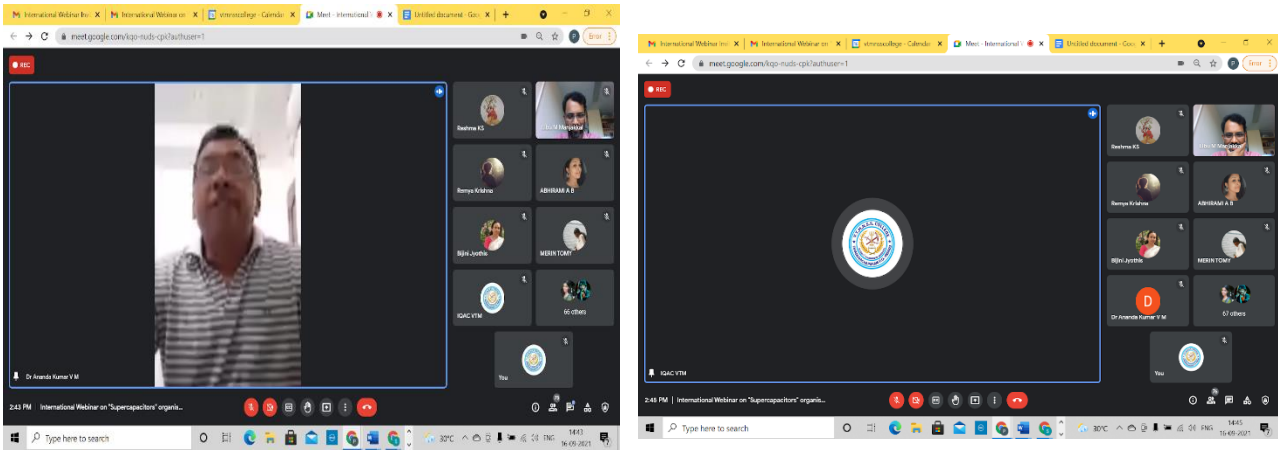
Inaugural session

The inaugural session started with Prayer and Acharya Anusmaranam followed by welcome note by **Satheesh R.** (Convenor World Ozone Day 2019). He mentioned the importance of organizing such days which are being constantly organized by VTMNSS College and welcomed all others present in the online gathering. **Dr. Bijini B.R** (Hod, Dept of Physics) delivered the presidential address.



She stated the importance of the International Day for the Preservation of the ozone Layer and the Montreal Protocol. This was followed by official inauguration of the function by the Principal, **Dr. V.M. Anandkumar** and delivered the inaugural address. The felicitations for the

occasion were delivered by **Smt. Shama Pillai** (IQAC Convenor) and **Smt. Manju M.J** (Convenor, Science Club).



Finally the session was concluded with a vote of thanks by Dr. Praveen V.N (Assistant Prof., Dept of Physics).

The webinar session on “Superconductors' ' was given by Dr. Libu Manjakkal, AQUASENCE PROJECT MANAGER, University of Glasgow, UK. He had more than 6 year of Post-Doctorial Research Experience in the area of Supercapacitor. He started his talk with the fundamentals of supercapacitors.



He discussed the projects he works on and Phd Students he supports. His talk also discussed on electrochemical gas sensors, Wearable supercapacitors, sweat-based supercapacitors, and graphene-based supercapacitors. He gave a glimpse of the research work going on the university and under his guidance. Recent patent work on sweat based supercapacitor was discussed. Finally, he encouraged the students with the steps to reach foreign countries for higher studies. He explained how got to this position from India. His motivational talk was notable.

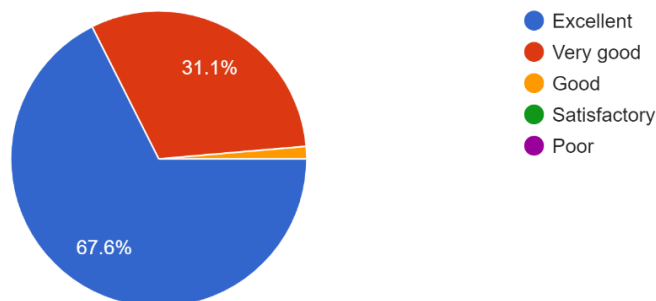
The webinar ended after interaction of resource persons with students. A feedback of the session was taken.

FEEDBACK Analysis

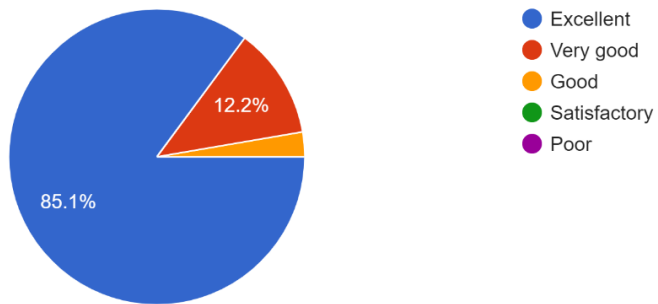
Around 80 participants gave the feedback about the international seminar on supercapacitors. About 67 % of students gave an excellent rating for the topic and 85% rated that the resource person had excellent subject knowledge. About 81 % gave an excellent rating that the session was informative. About 70 % gave excellent ratings regarding the guidance received in the talk and 81 % strongly agreed that similar programs may be arranged in future.

How do you rate the significance of the topic handled in the webinar?

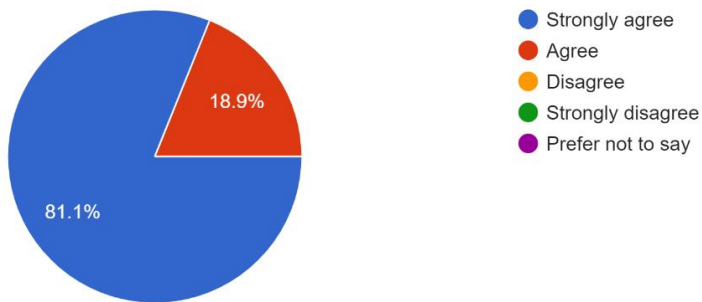
74 responses



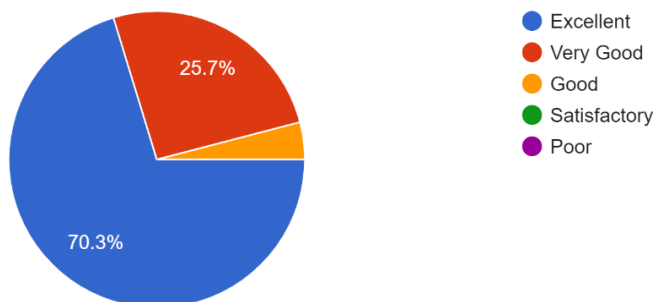
How do you rate the subject knowledge and expertise of the Resource Person?
74 responses



Was the session informative and had adequate research potential?
74 responses

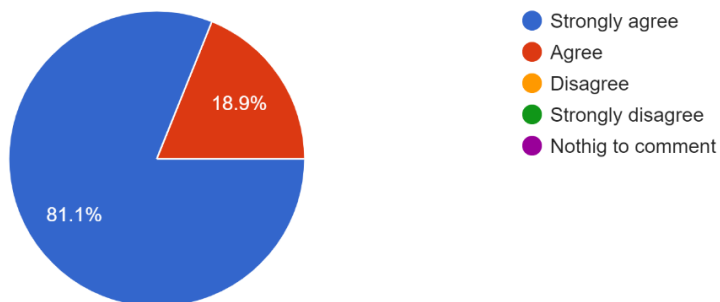


How do you rate the technical guidance in the webinar? *
74 responses



Do you think Webinars/Academic events of similar interests should be held more in future?

74 responses





International Webinar



Resource Person

Dr. Libu Manjakkal
University of Glasgow, UK

SUPERCAPACITORS

WORLD OZONE DAY 2021

Organized by **Department of Physics** In Association with **Science Club and IQAC**

V.T.M.N.S.S College, Dhanuvachapuram

Dated: **16-09-2021** Platform: **Google Meet** Time: **2:30 pm**



About the speaker	Programme Schedule		
<p>Dr. Libu Manjakkal did his B.Sc and M.Sc from Kerala. In 2015, he received the Ph.D. degree in Electronic Engineering from the Institute of Electron Technology, Poland where he worked as a Marie Curie Early- Stage Researcher. He holds more than 6 years of Post-Doctoral experience. He has developed electronic systems for various applications including environmental monitoring, health monitoring, wearable energy and robotics. For sweat monitoring sensors he developed new textile supercapacitor working with sweat as an electrolyte. For hybrid energy generation and storage, he designed fully flexible self -powered pack (integration of solar cell, supercapacitor and sensors/motors). He have been involved in multidisciplinary projects in different countries. He has more that 75 international publications and 3 patents to his credit.</p>	Date:- 16-09-2021, Time: 2.30 pm, Platform: Google Meet		
	2.30-3.00 pm	Inauguration	
	Prayer	- II DC BSc Students	
	Acharya Anusmarnam		
	Welcome Address	Mr. Satheesh R, Convenor, Dept of Physics	
	Presidential Address	Dr. Bijini B. R., HoD, Dept of Physics	
	Inaugural Address	Dr. Anandakumar V.M, Principal, V.T.M.N.S.S College	
	Felicitations	Ms. Shama Pillai, IQAC Convenor	
		Ms. Manju M.J., Convenor, Science Club	
	Vote of Thanks	Dr. Praveen V N, Assistant Prof, Dept of Physics	
3.00 – 4.00 pm	Webinar- Dr. Libu Manjakkal University of Glasgow, UK		
4.00 pm	Feedback		

Organizing Committee	
Date:- 16-09-2021, Time: 2.30 pm, Platform: Google Meet	
Chairperson	Dr. Anandakumar V.M. Principal, V.T.M.N.S.S College
Convenor	Shri. Satheesh R , Dept of Physics
Members	Dr. Bijini B.R. , HoD, Dept of Physics
	Dr. Praveen V.N , Dept. of Physics
	Dr. Deepa V. , Dept. of Physics
Science Club	Smt. Manju M.J.
IQAC Convenor	Smt. Shama Pillai
For all Correspondence contact Shri. Satheesh R, satheeshr@vtmnsscollege.ac.in Phone:- 9995540489	
Google Meet Link: meet.google.com/kqo-nuds-cpk Youtube Live Streaming: https://youtu.be/E8crng-3SD4	

Outcome:- Online webinar has created the opportunity for students to interact with distinguished speaker from all around the world. Students get a feel of the research activities and prospects of higher education abroad through these online webinars. Students get inspired by eminent speakers having significant contribution to science and technology.

Report of the **Presentation Series – The Physicist**

Conducted by Department of Physics in association with IQAC from 11-12-22 to 18-01-22 for the first year B. Sc Physics 2021 - 24 batch

Objectives

The Presentation Series is organized to inspire and motivate young students to develop a scientific temper and interest in their subject. This programme is meant for first year undergraduate students as it would bridge the gap between higher secondary level with the college level and help them develop a love to their selected curriculum. It also aims to inculcate skills such as confidence, communication, understanding, public speaking, creativity and delivery. It also develops power-point presentation skills. The topic of the presentation Series is “The Physicist” which includes Life sketch, their contributions to the scientific community, the theory behind the contributions and its significance. It also helps to develop the reading and understanding ability of students.

About the Presentation Series

The inaugural program of the series began on 11-12-22 at 8 pm with a prayer by Ms. Gouri Krisha, 1 st DC Physics. It was followed by a welcome speech by Ms. Ancy John, 1 st DC Physics. The Presidential Address was delivered by Dr. Bijini BR, HOD of Physics Department, VTMNSS college. She delivered the words of confidence and motivated them, who were going to deliver their presentations. The program was inaugurated by Principal Dr. V M Anandakumar. He motivated the listeners and encouraged them by quoting the lives, struggle and achievements of physicists. There programme was felicitated by Ms. Shama Pillai, IQAC Convenor, VTMNSS, who appreciated the program and bestowed wishes. It was followed by the power point presentation by Ancy John and Ananya RS about the life and contributions of physicists Albert Einstein and Earnest Rutherford respectively. After the presentation the session was open for discussion and suggestion for improvement. Dr. V.M. Anandhakumar and Mr. Satheesh R., insisted the need for deep reading about the above scientists and their works for more fruitful

learning. Ms. Sandra Krishna, 1 st DC Physics proposed vote of thanks. The inaugural program of the presentation series came to close at 9 pm. The program was coordinated by the second year B.Sc Students. Dr.V.N.Praveen welcomed the gathering. HOD Dr.Bijini, IQAC Coordinator Ms.Shama Pillai gave felicitations to the program. The program ended with the vote of thanks by Mr.Satheesh.


Program Details

Date	Name of the Student	Presentation About
11/12 /21	Ms Ancy John	Albert Einstein
	Ms Ananya RS	Earnest Rutherford
13/12 /21	Ms.Keerthana RP	Stephen Hawkins
	Ms.Abhija AU	Benjamin Franklin
16/12 /21	Ms.Devika MS	Galileo Galilee
	Mr.Sanjith Krishan SS	Volt
17/12 /21	Ms.Aksharatmaja	CV Raman
	Ms.Jefrin Evangeline	APJ
20/12 /21	Mr.Jithu Krishna	Michael Faraday
	Ms.Nidhiya Jibu	Christian Huygens
22/12 /21	Ms.Sandra Krishana	James Chadwick
	Mr.Anandhu Suresh	JJ Thomson
27/12 /21	Mr.Vinayak AB	James Maxwell
	Mr.Harisankar	Nicola Tesla
29/12 /21	Mr.Bijoy BS	Conrad Rontgen
	Ms.MS Lekshmy	Coulomb
30/12 /21	Mr.Abhin SW	Niels Bohr
	Ms.Gouri Krishana	Erwin Schrodinger
03/01 /22	Ms.Jima John	Marie Curie
	Mr.Abhishek IS	ECG Sudarshan
05/01 /22	Ms.Varsha S	Archimedes

Date	Name of the Student	Presentation About
07/01 /22	Ms.Adri.S.G.Nair	Henry Moseley
	Ms.Reshma SJ	Thomas Alva Edison
	Mr.Abhijith SI	Henry Cavendish
10/01 /22	Ms.Soniya SR	Richard Feynman
	Mr.Ananthu S	Robert Milliken
18/01 /22	Ms.Aryanandha.AS	Neil Bohr
	Mr.Abhijith S	Pascal
	Mr.Sree Ram M	S.Chandrasehkar


Early life of Stephen Hawking

- He was born on January 8, 1942 in Oxford, England to Dr Frank Hawking, a research biologist, and Isobel Hawking
- Has two sisters, Philipa and Mary and an adopted brother Edward
- Lived in st. Albans and studied in st. Alban's school as a teenager
- Studied physics at University College, Oxford
- Studied cosmology at Cambridge



B

B.Sc Physics students




BENJAMIN FRANKLIN

B

B.Sc Physics students

“I WAS BORN NOT KNOWING AND HAVE ONLY HAD A LITTLE TIME TO CHANGE THAT HERE AND THERE ”



-Richard Philip Feynman

J
Jma 51 Physics

ANNUS MIRABILIS PAPERS



The Annus mirabilis papers are the four papers that Albert Einstein published in Annus mirabilis, a scientific journal, in 1905. These four papers were major contributions to the foundation of modern physics. They revolutionized scientific understanding of the fundamental concepts of space, time, mass, and energy.

Wolfgang Jhu

LET'S TAKE A GLIMPSE INTO HIS LIFE

Full Name : Galileo di Vincenzo Bonaiuti de' Galilei
 Birth : 15 February 1564
 Nationality: Italian
 Fields : Astronomy, Physics, Engineering, Natural philosophy, Mathematics
 Known for : Analytical dynamics, heliocentrism, kinematics, Observational astronomy
 Known as : The father of modern physics
 The father of observational physics
 The father of the scientific method
 The father of modern science
 Death : 8 January 1642

B
B.Sc Physics students

QUANTUM ELECTRODYNAMICS

- In particle physics, QED is the relativistic quantum field theory of electrodynamics
- QED theory was refined and fully developed in the late 1940s by Feynman, Schwinger and Tomonaga
- All phenomena involving electrically charged particles interacting by means of exchange of photons and represents the quantum counterpart of classical electromagnetism giving a complete account of matter and light interaction.



Jina S Physics

Nobel Prize in Physics 1906

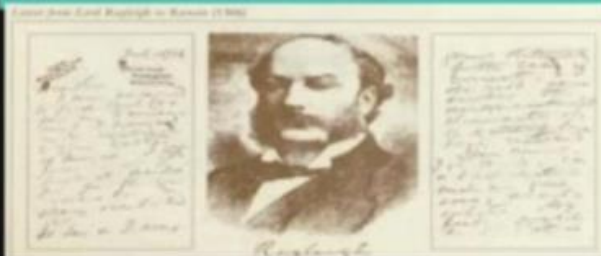


The Nobel Prize in Physics 1906 was awarded to Joseph John Thomson "in recognition of the great merits of his theoretical and experimental investigations on the conduction of electricity by gases."




B.S. Physics student

Letter from Rayleigh to Raman (1906)



Prof. Dr. S. J.




*Dream
Is not what you see in
sleep
Is the thing which
doesn't let you sleep*

- APJ Abdul Kalam

B
B.Sc Physics students

Michael Faraday
(1791-1867)



B
B.Sc Physics students

CHRISTIAAN HUYGENS



B
B.Sc Physics students


NEHYA JBU

← mu-zwct-gdu •


REC

You're sharing your screen with everyone

☑ Stop sharing





B
B.Sc Physics students



JAMES CLERK MAXWELL


Wikipedia







B.Sc. Physics students

Nikola Tesla








B.Sc. Physics students

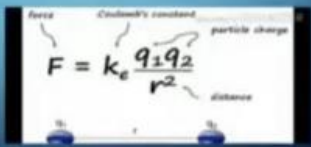
Introduction


- The German physicist, Wilhelm Conrad Röntgen was the first person to systematically produce and detect electromagnetic radiation in a wavelength range today known as x-rays or Röntgen rays.
- His discovery of x-rays was a great revolution in the fields of physics and medicine and electrified the general public. It also earned him the Rumford Medal of the Royal Society of London in 1896 and the first Nobel Prize in Physics in 1901. He is also known for his discoveries in mechanics, heat, and electricity.



B.Sc. Physics students


COULOMB'S LAW





B.Sc. Physics students

Many World Theory




So when Schrodinger's cat was observed in one universe the cat was found to be dead and in a another universe the cat was found to be alive.

B

B.Sc Physics students

- ▶ Mother of Modern Physics .
- ▶ First Women to Win Nobel Prize



B

B.Sc Physics students



B

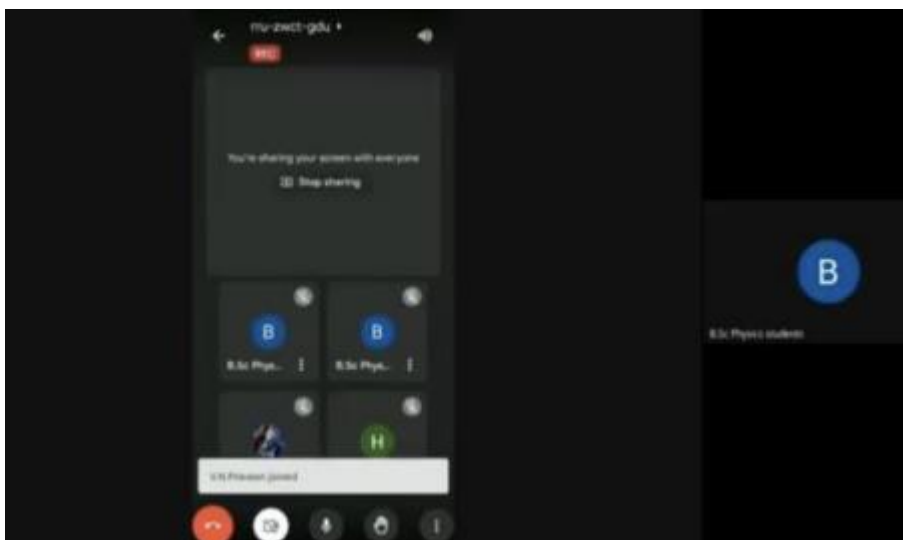
B.Sc Physics students

Life of Archimedes

By varsha. s



Art: S.G. Nair



Conclusion

After long interactive sessions covering the achievements of various Physicists and their contributions to the field of science, the presentation series, 'The Physicist' came to an end on 20th January 2022. Dr.V.M.Anandakumar appreciated the effort put forth by the Faculty of Department of Physics in encouraging, molding and supporting the students who have taken a challenging career ahead.

Feed Back

After each presentation, feedback was collected from the faculty members and students who attended the program. They suggested the modifications of the presentation slides and way of presentation. This helped the students to improve their presentation skills and quality of presentation was improved after each presentation.

Annual Report 2020 – 21



Department of Zoology

VTM NSS College Dhanuvachapuram
Thiruvananthapuram

Annual Report 2020 – 21

Department of Zoology

Year of Establishment: 1981

Courses offered

1. Core course: BSc Zoology
2. Complementary courses: Zoology courses to BSc Botany
3. Open course: Human Health and Sex Education (Offered to S5 students from other departments)
4. Elective course: Ornamental Fresh Water Fish Production (Offered to S6 students pursuing BSc Zoology)

Annual student intake: 38

Students admitted to first year during 2021: 22: 37

Total number of boys (all batches): 43

Total number of girls (all batches): 75

Total number of differently abled students (all batches): Nil

Total number of students from other states: Nil

Total number of students: 118

Number of full-time teaching posts: 4

Students to full-time teacher ratio – 30 : 1

Faculty, staff and student details

Faculty

Sl No	Name	Designation
1	Dr. Vijayakumar S	HOD & Associate Professor
2	Dr.Indu M Kutty	Assistant Professor
3	Dr.GayathriElayidam U	Assistant Professor
4	Ms.Manjary S	Assistant Professor

Non-Teaching Staff

Sl No	Name	Designation
1	Ms.Resmy S	Lab Attender

Department Level Committees

Course Coordinators (*for core courses*)

Sl No	Batch	Name
1	3 rd Year (Sem 5 & 6)	Dr. Indu M Kutty
2	2 nd Year (Sem 3 & 4)	Dr GayathriElayidam U
3	1 st Year (Sem 1 & 2)	Ms.Manjary S

Course Coordinators (*for complementary courses*)

Sl No	Batch	Name
1	I B.Sc. Botany (Sem 1 & 2)	Ms.Manjary S
2	II B.Sc. Botany (Sem 2 & 4)	Dr.Gayathri Elayidam U

Course Coordinators (*for open course*): Dr. Vijayakumar S

Faculty Members in College Level Administrative Committees

Sl No	Name	Designation
1	Dr. Vijayakumar S	-Convener : Academic Committee, Students Affairs Committee - Member : College Council, UGC Committee, Purchase Committee, Discipline Committee, Biodiversity Club, Birds Club, Health Club
2	Dr.Indu M Kutty	-Presiding Officer : Internal Complaints Committee

		-Nodal Officer : AISHE -Member : Birds Club, Biodiversity Club, ICT/IT Initiatives, Remedial Coaching
3	Dr.GayathriElayidam U	-Convener: Birds Club International, Research Committee -Member: Admission Committee, Biodiversity club, Legal studies Cell, Health Club, Science Club, Bhoomitra Sena
4	Ms.Manjary S	-Convener: Biodiversity Club, Career Guidance and Counselling -Member: Equal Opportunity Cell, SC/ST Minority Cell, Anti-Ragging Committee & Anti Ragging Squad, Advanced Learners Forum

Student details 2020 – 21

	Total	Boys					Girls				
		SC	ST	OBC	Others	Total	SC	ST	OBC	Others	Total
I DC	37	0	0	2	9	11	5	0	6	15	26
II DC	41	2	0	0	14	16	5	0	8	12	25
III DC	40	1	0	0	15	16	6	0	7	11	24

Department Level Activities

Bridge Course

A bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in 12th Standard.. The course is conducted during the first year of the Degree programme with a specific syllabus. Duration of the course is 12 hrs. Course is articulated in a way that helps students to easily transit from school level to college level. The syllabus includes topics describing the basic concept behind theory and laboratory courses included in the B.Sc Zoology programme.

The introductory laboratory sessions includes a briefing about college facilities; rules and regulations and CBCS system. Further students are introduced to topics such as History of Zoology; branches of Zoology; future prospects of Zoology. The course include activities that give a clear insight into the importance of various safety protocols to be observed while working inside a laboratory. The whole process will be under the monitoring of faculty members in charge of the respective laboratory session. The students are briefed about Courses and Syllabus of B.Sc. Zoology; Credit System; Club Activities; Open Course; Field Report; Field Visit. In the end of the program the students are given a tour of campus showing all the facilities that they can avail. The course gives an overall awareness to the students regarding the B Sc programme as well as their future career opportunities after completing the degree programme. Every year the course is coordinated by the class coordinator of 1st year with the support of all the other faculty members. College level induction programme was also conducted to the first semester students of our department. During the programme, students were given a general outline regarding the rules and regulations of the CBCS system as well as the system of administration in the institution.

Due to Covid Pandemic, Bridge course was conducted in online mode. Hence, it was not possible to provide effective laboratory studies to the students.

Counselling Cell

The mission of the Counselling Cell of Department of Zoology is to facilitate wise choices and decisions and to promote adjustment and mental health. The Cell is headed by Ms. Manjry S. The faculty members constantly identify students who need individual attention on various aspects. Students with financially weak background are identified and supported whenever in need. Students suffering of any health problem are given additional care and a regular contact with parents is kept.

Many of our students faced financial problems during the Covid Pandemic. The faculty members of the department along with the support of the Principal provided necessary and possible financial help to the students. Few of the students were helped by

recharging their mobile data for attending online classes while a few were helped by lending or purchasing mobile.

Department Level Monitoring Committee (DLMC)

Monitoring of the First Degree Program (Core and Complementary) is done by the DLMC of the department. The Head of the Department of the Coordinator of the Committee. The committee is responsible for smooth conduct of the degree program, ensuring instructional days, making arrangements for ESE of all semesters. The committee also takes up complaints by the students and addresses them towards an amicable solution. The committee also examines the complaints regarding internal grade marks, ensure that internal grade sheet is prepared and displayed on time. Any unresolved matter from DLMC will be forwarded to the College Level Monitoring Committee (CLMC).Regular meetings are conducted to ensure effective implementation of the CBCSS program

During the year 2020-21, all DLMC meetings were conducted online or through con-call. Internal exams were also conducted in online mode due to Covid pandemic restrictions

Grievance cell

The Grievance Cell of the department aims to look into the complaints lodged by any student and redress it as per requirement. The students can state their grievance regarding any academic and non- academic matter within the campus to the Department Grievance Cell Convener – Ms. Manjary S or to their faculty coordinators/mentors. The department aims at solving the grievances of the students regarding academic and non-academic matter within stipulated time within the department itself. A periodic interaction with students is conducted to address common issues.

In the year 2020-21, interactions with was mainly online mode or through phone call. Few of the students who shared the matter of financial difficulties were helped by teachers. It was a time when few students struggled to cope up with online meode of teaching. These students were kept in regular contact to check their progress. However,

a few students found a lack in motivation to study in online mode. Such students were motivated in best possible ways.

Remedial Coaching

Remedial Coaching is organized by the department under the coordinator ship of Dr.Gayathri Elayidam U with a view to improve academic skills among the students in Zoology and raising their level of comprehension to provide a stronger foundation for further academic work. The department identifies slow learners so that it can facilitate better handling of students according to their academic needs. Remedial classes are planned on a weekly and fortnightly basis for the slow learners to facilitate them in their learning process and their progression is tracked. Learning materials are provided to students, simplified notes and classes in additional hours for exam preparation are given to slow learners.

In the year 2020-21, Remedial classes were conducted in online mode. Only the final year students could get the benefit of regular teaching at the end of their final semester.

Laboratory-in-charge

Faculty members in charge of various batches for their practical course are primarily responsible for the smooth conduct of laboratory sessions and safety inside laboratory. The activities ensuring the smooth functioning of laboratory as well as implementation of standard safety protocols during the conduct of practical course are coordinated by Dr. Vijayakumar S and the stock inside the laboratories are taken care by laboratory attender. Only final year students were able to practice practicals properly during this year due to Covid restrictions. Practical of the rest of the classes were conducted during the vacation time following Covid protocols.

Maintenance and Purchase

The department level maintenance requirements, repair of instruments and procurement of articles are handled by the maintenance and purchase committee. The committee is convened by Dr. Vijayakumar S (HOD) and includes rest of the faculty as members. The responsibilities of the committee include periodic monitoring of the inventories of

the department along with the scrutiny and consolidation of purchase requirements submitted by various faculty members.

Academic Programme Committee

The Department Level Academic Program Committee aims to give r suggestions and directions for the smooth running of the department in academic aspect. The committee publishes the department academic calendar in consultation with that published by the University of Kerala and the college. The committee makes periodic academic audits to ensure the completion of academic activities in strict adherence to the published academic calendar and suggests remedial measures as and when required. The committee also monitors the preparation of internal examination question papers as well as the evaluation of the answer scripts and it is led by Dr. Vijayakumar S

IQAC Committee

In line with the guidelines of the college IQAC, we have constituted a department level IQAC committee headed by Ms. Vijayakumar S and all other faculty as members to look after the proper documentation of the activities of the department. This committee monitors the department level activities and ensures the adherence of these activities to the department action plan.

Achievements

Result Analysis 2017-20 Batch

Consolidated Statement of results: 2017 UG admitted students

Category	No of students appeared	No of Students passed	Pass %	No of students failed	No of boys appeared	No of boys passed	Pass %	No of girls appeared	No of girls passed	Pass %
GEN/COM	21	16	76	5	5	1	20	16	15	94
MQ	7	1	14	6	2	0	0	5	1	20
SC/ST	8	1	13	7	3	0	0	5	1	20
PWD	-	-	-	-	-	-	-	-	-	-
Sports	2	1	50	1	1	nil	0	1	1	100
Total	38	19	42	21	11	1	9	27	18	66

Pass percentage:50%

Student Progression to Higher Studies

For the 2017 admission batch (2019-20 pass out batch), out of the 19 students who completed the course successfully, 15 secured admissions to higher studies. Details of students who secured admission for higher course at various institutions are given below.

Sl No	Name of the Student enrolled to Higher Education	Name of Institution joined	Name of Program Admitted to
1	ASWATHY A P	NSS College Pandalam	M.Sc. Zoology
2	ASWANI R B	Central University of Kerala	M.Sc. Genomic Sciences
3	PANCHAMI S S	MG College Kesavadasapuram	M.Sc. Zoology
4	AYANA KRISHNAN A R	Co Operative Training College Trivandrum	HDC
5	KARTHIKA A S	Govt Medical College Trivandrum	Diploma in Operation Theatre and Anaesthesia Technology
6	KAVYA MOHAN U	All Saint's College Trivandrum	M.Sc. Environmental Science
7	ARYA B A	Glanis Institute of Allied Health	B.Sc. Radiology and Imaging Technology
8	AJNA A S	Pondicherry University	M.Sc. Bioinformatics

8	ATHIRA M	Dr SMCSI Medical College and Hospital, Karakonam	B.Sc. Nursing
9	ARATHY L S	Saraswathy College of Nursing	B.Sc. Nursing
10	GRESHMA G S	Nesamony Memorial Christian College	M.Sc. Zoology
11	GEETHU LEKSHMI M B	New B.Ed. College, Nellimoodu	B.Ed.
12	JYOTHISH J	GOVT. ITI (SCDD) MARIYAPURAM	ITI (MMV)
13	KRISHNAKUMAR S L	GOVT. ITI CHAKKAI	ITI
14	HARISANKAR S K	Centre Of Advanced Printing and Technology	Printing Technology
15	SARAYU S L	Sreechithra Institute of Medical Science and Technology	PG Diploma in Blood Banking

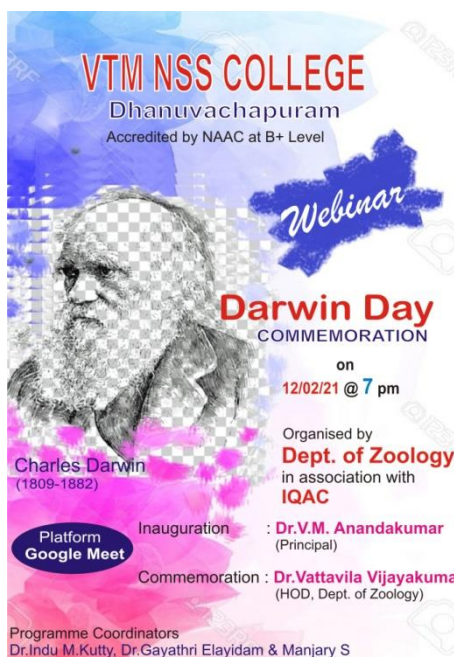
Programmes Organized

1. Darwin Day

Date : 12/02/2021

Time: 7.00 to 8.00 PM on Google Meet

Darwin Day is a [celebration](#) to [commemorate](#) the [birthday](#) of [Charles Darwin](#) on 12 February 1809. The day is used to highlight Darwin's contributions to [science](#) and to promote science in general. Department of Zoology organised an online discussion program among students of Zoology regarding the contributions of Darwin.



Outcome: The students were insisted to consult online materials to gather information on Darwin's contributions. Students gathered and shared information from various sources. These were discussed among the students and faculty.

2. One Day Online IPR Awareness Program

Date : 18/02/2021

Time: 3.30 to 4.30 PM on Google Meet

The Department of Zoology in association with IQAC and KSCSTE (Kerala State Council of Science Technology and Environment) jointly conducted a webinar on Intellectual Property Rights on 18/02/2021. The programme was started with prayer by Kumari Varsha and Acharya Anusmaranam (Mannath Padmanabhan, Founder of NSS) by Arjun. Dr. Vattavila Vijayakumar (Head, Dept. of Zoology) welcomed the resource persons. Dr. Anandakumar V. M. (Principal) made a remarkable speech on intellectual property right. Technical sessions were handled by Dr. Ajith Prabhu (Chief Scientist, KSCSTE) and Safikh S.

VTM NSS COLLEGE
DHANUVACHAPURAM
Accredited by NAAC @ B+ Level

Webinar
INTELLECTUAL PROPERTY RIGHT

organised by **Dept. of ZOOLOGY**
in association with **IQAC & IPRICK** (Intellectual Property Rights Information Centre - Kerala) & **KSCSTE**

Technical Session

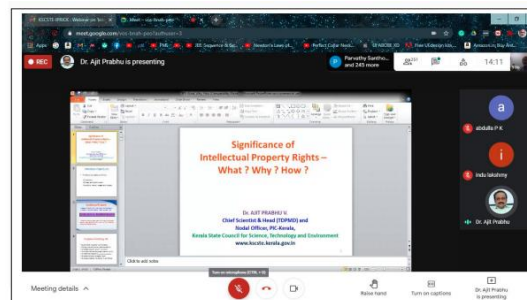
Dr. Ajit Prabhu V
(Chief Scientist, KSCSTE & Nodal Officer, IPRICK) : **Significance of Intellectual Property Rights** (02-2.45 pm)

Sri. Safikh S
Technical Officer, KSCSTE : **Patents and Patent filing procedure in India** (02.45-03.30 pm)

Interaction : **03.30- 4.00 pm**

On **18/02/2021** Platform **Google Meet**

link- <https://forms.gle/y4kSGfWNx48vUTMWA>



The webinar was a great success. It was attended by 142 participants. A lot of questions about patents were raised by the participants in the webinar. Various types of IPR, its filing and a quiz had also been conducted. The students enthusiastically participated in quiz and in interaction. The resource persons cleared their doubts completely. The programme was ended with vote of thanks and national anthem.

3. Distinguished Alumni Lecture (DAL)

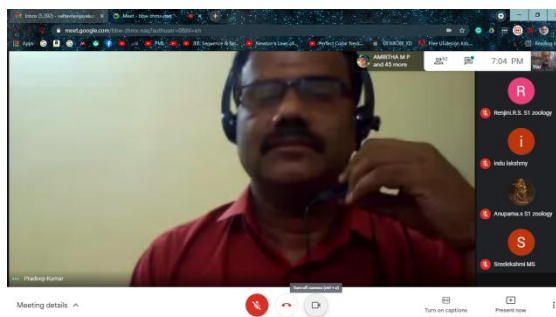
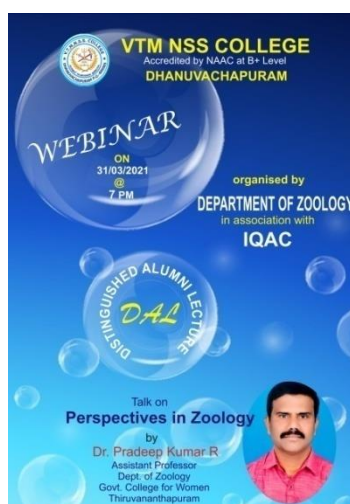
Date: 31/03/2021

Time: 7.00 PM to 8.30 PM on Google Meet

Invited Alumina :Dr. Pradeep Kumar R, Assistant Professor, Department of Zoology, Government College for Women, Trivandrum

A talk was organized in the auspicious Zoology Association with an aim to honor Alumina of the college with distinguished achievements and for the interaction of the students with the alumina. Every year such alumina is invited to the college to motivate the students and to provide a perspective to the students regarding their aims in future.

Main Topic of Discussion : Perspectives in Zoology

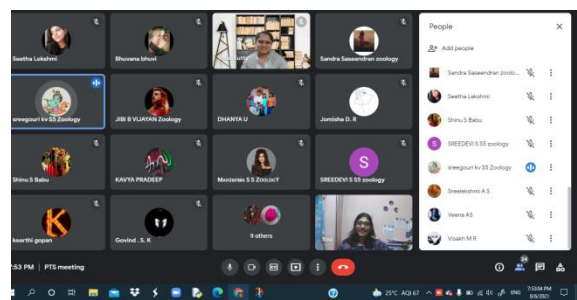
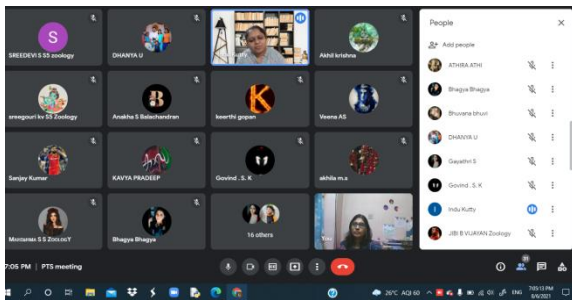


Outcome: The students were overwhelmed as to talk to their alumina. They shared their experiences in the college campus with the alumina and compared them with her

experiences. They got an insight into various aspects of Perspectives in Zoology. The talk created awareness among students regarding the prospects of higher education and job opportunities in Zoology. The talk also motivated the students and to provide a perspective to the students regarding their aims in future.

PTS Meeting

Regular PTS meetings are organised by the Department of Zoology. The main objective of the meeting is to create a common platform, where teachers and parents come together to discuss student's performance and devise ways to enrich their learning experience. With pandemic situation, these meetings were conducted in online mode during the first few months of the session. The Class coordinators interact with each and every parent individually. The parents are free to talk about their concerns regarding their ward, education and extracurricular activities.



Membership of Academic Organization

Dr.GayathriElayidam U

1. Association of Advancement of Entomology

Participation in Seminar/Workshop/Conference/Courses

Dr. Gayathri Elayidam U

1. Presented paper in International Symposium on Metabolism and aging Organized by Dept of Zoology Mar Ivanious college in association with OMRF USA. 16-17 July 2019
2. Presented paper in National seminar on Life science and Biodiversity: Prospects and challenge “ Dept of Zoology University college 7 and 8th November 2019
3. One day workshop on Innovative teaching in Zoology and integrative Biology WIT 2019 organized by Dept of Zoology and Interuniversity center for Evolutionary and integrative Biology (iCeIB) in association with IQAC univ of Kerala 16th November 2019
4. One day workshop on Teaching learning & evaluation :changing protocols in pedagogical innovations organized by IQAC VTMNSS College Dhanuvachapuram 26th November 2019
5. One-week National workshop Design and development of MOOCs 2-8th December 2019 organized by Centre for Educational technology, Dept of Education University of Kerala
6. Five day online hands-on workshop on Using Google Classroom: Effective Teaching Techniques from 27 April to 1 May 2020 conducted by the Internal Quality Assurance Cell (IQAC), St Gregorios College, Kottarakara, Kerala
7. Completed self-learning online course in Open educational resources conducted by Commonwealth of learning, Canada (An intergovernmental organization of created by Heads of commonwealth nations) December 2019
8. Bioinformatics : algorithms and applications 3 credits course Jan- April 2020 (12 weeks Course 12 weeks 3 credits course)
9. Five days online FDP on Indigenous Knowledge system and Modern education 25th May to 29th May 2020
10. Faculty development Programme on Moodle Learning Management System Organized by Sree Narayana College, Chengannur with course material provided by Spoken tutorial project, IIT Bombay from 25-05-2020 to 29-05-2020.
11. National Webinar on “Writing a Winning Project Proposal” organized by the Internal Quality Assurance Cell, Mar Athanasius College Kothamangalam on 11-05-2020

12. National webinar on “The Art of Writing Research Papers” organized by the Internal Quality Assurance Cell (IQAC), Mar Athanasius College Kothamangalam on 14-05-2020
13. International Webinar - DOCTRINA-02 organized by Department of Zoology & IQAC, Sir Syed College, Taliparamba, Kannur, Kerala, titled, “Coronavirus and Our Future”, on 18-05-2020 and “Understanding Novel Coronavirus Recent Scientific Updates”, on 19-05-2020
14. International Webinar “Preparing for Online Teaching” May 21, 2020 organized by Sacred Hearts College Thevara.
15. Virtual national seminar on the role of biodiversity during covid 19 organised by PG Government college, Chandigarh on May 22 2020

Publications

Publication in peer reviewed journal

1. Soumya S. Das And Gayathri Elayidam U. Insect pest management against rice bug *Leptocorisa* using traditional methods, *Journal of Advances in Biological Science* 2019 • Volume 6 , Issue 2 • 26 -29, ISSN 2394 – 7837

Proceedings chapter

1. Soumya S. Das And Gayathri Elayidam U. Impact of chemical pesticides on rice environment. Proceedings of the National conference on Nature and Life (NCNL'19) in annual series conference series Engineering education for facing the future .SreeBudha college of Engineering, Alapuzha. pp 514-518 May 2019, ISBN 978-93-5361-297-9.

Ms.Manjary

1. Two-day online workshop by IQAC, NSS College, Pandalam, on ‘Creation of Instructional Videos and Recording’, 13th and 14th May 2020
2. International Webinar by SAFI Institute of Advanced Studies, Malappuram (Affiliated to University of Calicut) on ‘Advances in Cancer Research’, 11th July 2020
3. UGC-sponsored Short-term Course in Research Methodology by UGC-HRDC, Kannur University, 22nd to 24th July 2020
4. State level Webinar on Herpetofaunal Diversity, conducted by Christian
5. College, Chengannur on 30th July 2020

6. National Webinar by Department of Zoology, All Saints' College, Trivandrum, on Human- Animal Conflict, 24th August 2020
7. Webinar on 'Better Management Practises of a Small-Scale Ornamental Fish Hatchery for Women Entrepreneurship Development' conducted by Department of Zoology and IQAC of HHMSPBNSS College, Neeramankara, 11th August 2020
8. Webinar on 'Know your Kidneys' conducted by KSMDDB College Sasthamcotta. 21st August 2020
9. International Webinar conducted by Chakdaha College, Nadia, West Bengal, on Contemporary Issues in Biodiversity and its *Related* Technologies on 30th August 2020
10. Aranayani Webinar Series conducted by Postgraduate Department of Zoology and Research Centre, MG College, Thiruvananthapuram, Wildlife week October, 2020
11. UGC sponsored Refresher Course on 'Disaster Management and Emergency Response' (Online) by UGC HRDC, Gauhati University, 7th-20th October 2020
12. UGC sponsored Online Short-term Course on E-content Development, by UGC HRDC Gujarat University, 6th-12th August 2020
13. Webinar on Intellectual Property Rights conducted by Department of Zoology, VTMNSS College, Dhanuvachapuram in association with KSCSTE, 18th February 2021

Ph.D. Guideship

Dr. Vijayakumar S

1. Bismi L S : Studies of aquatic insects of Shola Forests of Idukki District, Southern Western Ghats, Kerala
U.O.No.AcE1B1/5407/2011 dt 05/06/2015
Change of Guide Order No: Ac.EVI(3)/40766/2017
2. Rejitha B T : Taxonomy and Diversity of Coral Reef Fishes of Gulf of Mannar, Southeast Coast of India
U.O.No.AcE1B1/37419/2010 dt 30/04/2011
Change of Guide Order No: AcEVI(3)/40991/2017
3. Prasannan K : Studies on riverine and reservoir fishes with special reference to hill stream species of Idukki, Southern Western Ghats, India

U.O.No.AcE1B1/24409/2011 dt 13/01/2012

Change of Guide Order No: AcEVI(3)/42535/2017

Dr.GayathriElayidam U

- 1 Soumya S Das Characterization of selected plant extracts and its insecticidal activities against *Leptocorisa* species

Full Time dt of joining 18/07/2018 U.O dt Ev1/717/Zoo/16 322/2018

- 2 Hyzil J.B Characterisation and Evaluation of Biocidal activity of selected plant extracts against Banana pest *OdoiporusLongicollis* (Olivier)

Part Time dt of joining 01/07/2020 .U.O dt 2778/2020/UOK 03/09/2020