

Mahatma Gandhi College

Kesavadasapuram, Thiruvananthapuram

Kerala – 695004



Annual Report 2021 – 22

Add-on/Value Added/Certificate Courses offered

Sl No	Name of the Course	Department
1	Chemistry of Cosmetics	Chemistry
2	Data Analysis using GRETL	Economics
3	English for Career	English
4	Latex Programming	Mathematics
5	Linux Operating System	Mathematics
6	Micro-Economic Theory	Economics
7	Mushroom Cultivation	Botany
8	Timeline and Evolution of Physics	Physics
9	Transactional Analysis	Psychology
10	Yoga and Stress Management	Psychology

Extension Activities

Covid Relief Activities

As the COVID-19 crisis continues to loom over us, the naval cadets of Mahatma Gandhi college have donated rice to Community Kitchen of Vellanad Gramapanchayath. The Navy wing was able to donate 40 kg rice. The programme was organized on 04/06/2021.



PRO Defence Trivandrum ✓

@DefencePROTvm

#NCCKerala

Cadets of 1 Kerala Naval Unit
#NCC from Mahatma Gandhi
College, Trivandrum donated rice
to Vellanad Grama Panchayat
Community Kitchen for **#Covid19**
relief activities.

#JanAndolan



A. Bharat Bhushan Babu and National Cadet Corps

Leading cadet Abhijith vs and cadet Dipin D S handed over the rice to vellanad panchayat in the presence of MP Adoorprakash, Panchayat President Smt. Rajalekshmi, Vice President Sreekandan and other members of panchayat

Mahatma Gandhi College 1 Kerala Naval unit handed over 80 notebooks to the Divine Children's Home Poojappura on 14/07/2021. It was received by Mrs Alice Thomas, Director of the organisation.

VIDEO LINK: <https://drive.google.com/file/d/16wwUSSs1TkzndqXxMcYTMtUBGhHeBD8/view?usp=drivesdk>



1(K) Naval Unit NCC, Mahatma Gandhi College is celebrating Children's Day with the kids in Don Bosco Orphanage on 15/11/2021. The unit collated and donated stationeries for kids to help them in their studies. The activity was conducted on 15th November 2021 at the orphanage

and was led by Cadet Captain Abhijith V S, Cadet Arunima, Cadet Arathy and Cadet Abhiram. SLt (Dr) Subha Sachithanand and PI Staff accompanied with them.



Mahatma Gandhi College 1(K) Naval Unit NCC celebrated this year's NCC Day on 28/11/2021. As a part of this, all cadets planted saplings in the vicinity of the institution and handed over a few saplings to GGHSS Cottonhill TVM on November. The program was led by L/Cdt. Manu Devraj B. A cadet Abhiram V K and cadet Harikrishnan A. In addition to these, PI staff Jills and ANO Subha Sachitanand also participated in the programme.



Puneet Sagar Abhiyan

Swachh Bharat Abhiyan is a campaign launched by the Prime Minister of India to highlight the importance of cleanliness in the surroundings. It was inaugurated on October 02, 2014 to honour the vision of cleanliness of Mahatma Gandhi. NCC has always been at the forefront of the Swachh Bharat Abhiyan. NCC now plans to carry out a nationwide campaign to Clean Sea Shores/Beaches of the plastic waste & other waste along the Sea Shores and increase awareness about the importance of keeping the Sea shores free from Plastic waste.

TRIVANDRUM Grp NCC conducted 'PUNEET SAGAR ABHIYAN' by cleaning the Sea Shores/Beaches to propagate the message of 'Importance of Clean Sea Shores/Beaches' amongst the local population and future generation on Dec. 19, 2021. The key Cleanliness drives, awareness and educational activities of Clean Sea Beaches during the campaign to be conducted includes,

Beach Clean up, 1 Kerala Naval NCC Cadets may be provided with cleaning material such as hand gloves, gunny bags. Awareness campaign, Public Interaction- The cadets will interact with the general public, tourist, Local shopkeepers/vendors and fisherman along the coastal areas to spread awareness on the ill effects of Beach littering and its adverse harmful impact to the environment.

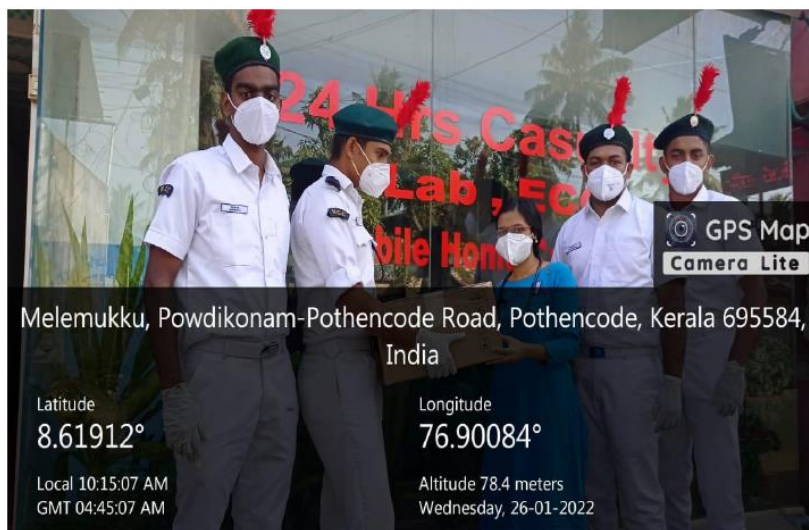
Pamphlet Distribution – The cadets can also distribute pamphlets to increase awareness about Sea Beach pollution and its adverse effect. Pledge/Oath taking /signature campaigns – Cadets administer Pledge amongst the target population & tourists to keep the beaches clean and saying No Beach Litter. Signature campaigns will also be conducted

Cultural programs/Nukkad Nataks/Rallies- Theme based Nukkad Natak & rallies/foot patrols will be conducted. Adequate placards and Props to be used drive home the message of importance of clean Sea Beaches.

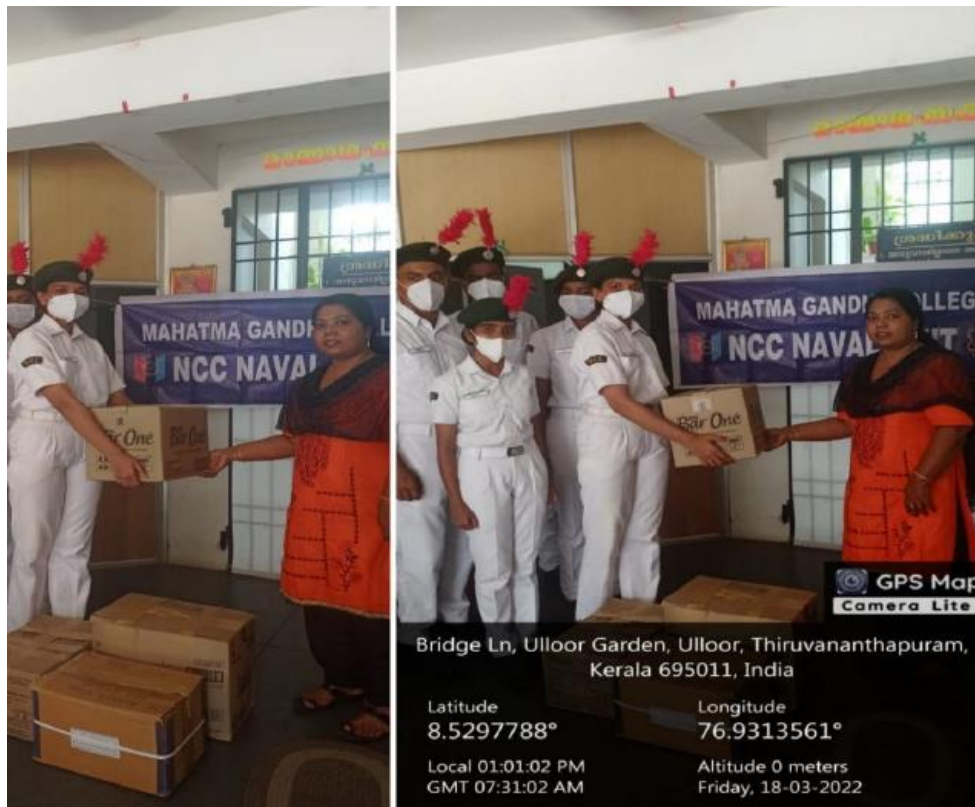


Covid Relief Activity

1 Kerala naval unit NCC, Mahatma Gandhi college celebrated Republic Day in the midst of the pandemic, by donating 50 litres of cleaning lotion prepared by the cadets to Pothencode palliative care. Dr. Beena who is in charge of the Palliative care center received the same.



The cadets of Mahatma Gandhi college 1(k) naval unit NCC, as a part of world happiness day on 18/03/2022. They donated clothes which they have collected among themselves to Kripalayam old age home, Ulloor. The collected materials were handed over to Mrs Sheeba, the manager of Kripalayam old age home. The cadets visited the residents of Kripalayam old age home. The program was led by L/Cdt Saiganga, Cadet Jeeva, Cadet Arathi, Cadet Mathew, and Cadet Ashwin.



Skip – a- Meal Campaign

The resurgence of the Skip-a-Meal program was arranged by the Department of Commerce in relation to the Onam celebration, as students enthusiastically participated by serving the food. A remarkable outcome emerged, with the distribution of 125 Sadhya, being gathered from the students. These collected meals were properly packaged and delivered to the Santwana Care Home, a residence for cancer patients and their caregivers.



Other Programmes

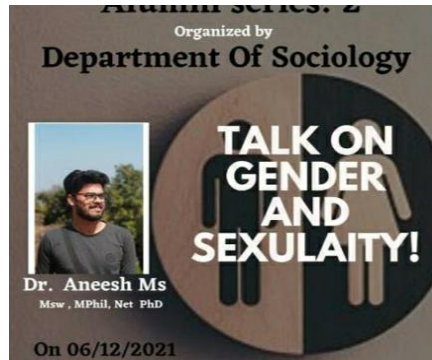
Seminar on Research Methodology

Department of Sociology organized an online seminar entitled Basic Strategies of Research Methodology in Social Sciences on 25/06/2021.



Interactive Session on Gender and Sexuality

Department of Sociology organized an interactive session on 6th December 2021. Dr. Aneesh M S alumni member of the department delivered a lecture on the topic “Gender and Sexuality”. The topic was very relevant and closely associated with the subject matter of sociology. He is working as an Assistant Professor in the Department of Sociology, Sree Sankaracharya University of Sanskrit, Kalady, Kerala.



Open Mic Session

As part of the “Meet the Alumni Series”, the Department of Sociology organised a workshop on the topic "Emancipation of self and society" on 6th December 2021. This session was handled by one of the Alumni from the Sociology Department, Smt Bhavya. M. K. She is working as Non-Medical Scientists at ICMR, Mumbai. The session was highly interactive and fruitful. After her presentation, there was an open mic session where students opened about their own kind of personal experiences with their gender.



World Environment Day

World Environment Day 2021 was celebrated on 5th June 2021. The programme entitled *Ecowarriors 2021*, was hosted by the Sem1 M.Sc students on online mode. The Programme includes speech, student presentations, slogans etc all pointing towards the need for environmental protection and conservation.



World Zoonoses Day

World Zoonoses Day 2021 is celebrated on 6th July, annually all over the world. This day commemorates the work of French Biologist, Louis Pasteur. The purpose of observing this day is to create awareness about the spread of Zoonotic diseases. This day holds significance in the wake of Novel Corona Disease pandemic as it is believed to have been originated in bats and transmitted to humans via pangolins. Recognizing this as the need of the hour, Department of Zoology organized a webinar on 6th July 2021 on the topic Zoonoses @a Glance. Dr. Sumodhan P K, Associate Professor & Head (Rtd), Government College, Madapally was the resource person.

TAKE PLEDGE TO PREVENT ZOO NOTIC DISEASES

**WORLD
ZOO NOSES DAY**

**JULY
6th**

World Zoonoses Day is celebrated on 6th July annually all over the world since the year 1885. This day commemorates the work of French biologist Louis Pasteur; on 6 July 1885, Pasteur successfully administered the first vaccine against rabies, a zoonotic disease. The purpose of this day is to raise awareness of those diseases that can spread between animals and people and to celebrate global activities taking place to minimise the risks in the future. This day holds significance in the wake of the novel coronavirus disease (COVID-19) pandemic, believed to have been originated in bats and transmitted to humans via pangolins.

Recognizing this as the need of the hour, the Postgraduate Department of Zoology & amp; Research Centre, Mahatma Gandhi College is organizing a webinar

Resource person : **Dr.Sumodhan.P.K**
Associate Professor (Rtd)
Department of Zoology
Government College,
Madapally

Date : 6/07/2021: 5.30pm
Platform : Google Meet

Topic : Zoonoses @a glance

All are cordially invited

Dr.Ampil.M
Principal

Dr. Balamurali.R.S
Head of Department

National Moth Week Celebrations

Department of Zoology organized national moth week celebration to awareness about these delightful and helpful creatures – the moths. On behalf of this, we also provide a unique opportunity to our students to know more about them by organizing a webinar on 25th July 2021 with Shri. Vijayakumar Blathur, Popular Science Writer as resource person.

**NATIONAL MOTH WEEK
Celebrations
2021**

The last week in July is all about celebrating the fabulous ... moths! Butterflies' less-beautiful cousin, moths are nothing to scoff at, and National Moth Week is all about celebrating these delightful (and helpful) creatures. We the Post-Graduate Department of Zoology Research Centre, Mahatma Gandhi College, Thiruvananthapuram is providing everyone with the unique opportunity to appreciate these insects.

Resource person: **Shri. Vijayakumar Blathur**
Popular Science Writer

Topic: _____ **Date :** 25/07/2021 4.00 pm

All are cordially invited

Dr. Ampil. M **Dr. Balamurali R.S.** **Dr. Adithi M. Nayar**
Principal Head of Department Coordinator

Platform: Google Meet **Date:** 25-07-2021 6.30 pm

Google meet Link: <http://meet.google.com/zcs-hnrg-fiw>

World Mosquito Day

World Mosquito day is celebrated on 20th August year to spread awareness about diseases caused by mosquitoes. This great day commemorates the efforts of Sir Ronald Ross, British army Surgeon working in India. A webinar was hosted by our department on 20th August 2021 to spread awareness about mosquito borne diseases. Shri. Vinod. S., Sr. Biologist, District Vector Control Unit, DMOH, Thiruvananthapuram was the resource person.

Postgraduate Department of Zoology & Research Centre
Mahatma Gandhi College, Thiruvananthapuram

World Mosquito Day is celebrated on 20th August every year to spread awareness about diseases caused by mosquitoes. This great day commemorates the efforts of Sir Ronald Ross, British army Surgeon working in India. In 1897, Sir Ronald Ross found a groundbreaking discovery that eventually led to the path-breaking connection between mosquitoes and Malaria.

The need to celebrate Mosquito Day with greater importance and significance is the need of the hour. The students and the general public needs to be educated about healthy living habits and simple ways to avoid mosquito breeding around their homes.

Considering this, the Postgraduate Department of Zoology & Research Centre, Mahatma Gandhi College, is organizing an awareness class on

WORLD MOSQUITO DAY 20th AUGUST

Resource Person

S. Vinod
Sr. Biologist
District Vector Control Unit
DMOH, Thiruvananthapuram

Topic

Date

All are cordially invited

Dr. Ampil. M.
Principal

Dr. Balasuruli R.S.
Head of Department

Dr. Adhira M.Nayar
Coordinator

Google meet Link: <http://meet.google.com/zcs-hnrg-fww>

Wetland Biomonitoring as part of Dragon fly Festival

WWF India has launched the Dragonfly Festival to raise awareness about Odonates (dragonflies and damselflies) in all walks of life. This is in partnership with BNHS, UNEP, ZSI, Dragonfly South Asia Society, Indian Dragonfly Society, Society for Odonate Studies, MIT-WPU University and India Biodiversity Portal. This year, in addition to the ongoing events, Wetland Biomonitoring is also organized as part of this festival. Odonates are an integral part of wetland ecosystems and they are considered as an indicator species of wetland health. Hence, regular monitoring of these lesser-known species, which can only complete its lifecycle and survive in this crucial ecosystem, has become significant.

Department of Zoology joined hands with WWF- India Kerala Chapter for wetland Biomonitoring programme. We were deputed to conduct odonate survey along Vellayani - Lake

side road transects on 31st October 2021. 12 students from our department were guided by Mr. Jayakrishnan, WWF Volunteer. 12 species of dragon flies and 4 species of damselflies were identified from the transect. Among them, *Brachythemis contaminata* dominated which indicates poor water quality of the Lake.



Recent Trends in Climate Mitigation and Pollution Control

As part of ARC 2022, an international conference on Recent Trends in Climate Mitigation and Pollution Research was organized on 10 - 11th March 2022 (Online mode) by the Department of Zoology. Key Note Address was delivered by Dr. Harinarayanan P, Principal Scientist, KSCSTE on the topic “Climate Change Hazards and Mitigation”. First technical session was done by Dr. Kurian Mathew Abraham, Assistant Professor, Department of Aquatic Biology & Fisheries, University of Kerala on the topic “Eco-informatics tools for Biologists”. The second day began with the session handled by Dr. Nalini K. Post doctoral Researcher, Geocarb Mission, University of Oklahoma, US. on the Topic “Adapting to Climate Change and Climate Resilience”. The third session was done by Dr. Thampan Meloth, Scientist G, Group Director, Polar Sciences, National Centre for Polar and Ocean Research, Ministry of Earth Sciences, Government of India on the topic “Antarctica - The Land and Life on Edge”. This was followed by paper presentations.



Postgraduate Department of Zoology & Research Centre
Mahatma Gandhi College, Thiruvananthapuram
in association with IQAC organizes

*International Conference on Recent Trends
in Climate Mitigation and Pollution Research*

(Online Mode)

Date | Platform
10-03-2022 | Google Meet
11-03-2022 | Google Meet

All are cordially invited

Organizing Committee

*Dr. Balamurali R.S. (HoD), Dr. Adhira M. Nayar (Coordinator)
Dr. Sakthi Babu R.L., Dr. Asha V.G.,
Dr. Bijukumar B.S., Dr. Suresh Chandra Kurup*

Google meet Link: <http://meet.google.com/zcs-hnrg-fww>

Capacity Building Initiatives

Bottle Art organized by Department of Botany

Department of Botany organized a skill development programme on Bottle Art on 11/11/2021 that was participated by nearly fifty students.

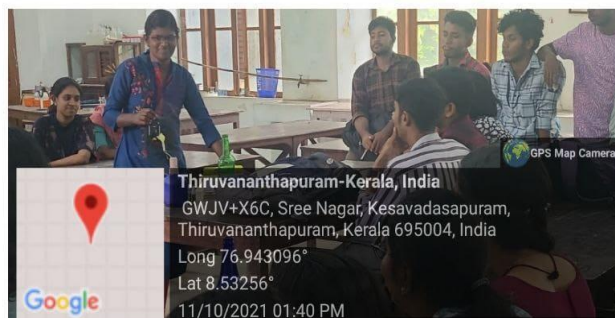
**MAHATMA GANDHI COLLEGE
THIRUVANANTHAPURAM**

**DEPARTMENT OF BOTANY
BOTTLE ART**

Ignite your artistic flair in our Bottle Art workshop, where you'll transform ordinary glass containers into captivating pieces of art. Join us to explore innovative techniques and unleash your creativity, turning recycled bottles into unique, decorative masterpieces for your home or as thoughtful gifts.

Date: 11th October 2021
Time: 1.30 PM
Venue: Botany Lab

Resource Person:
Ms. Rejini R.L., Research Scholar, Dept. of Botany, MG College, TVM



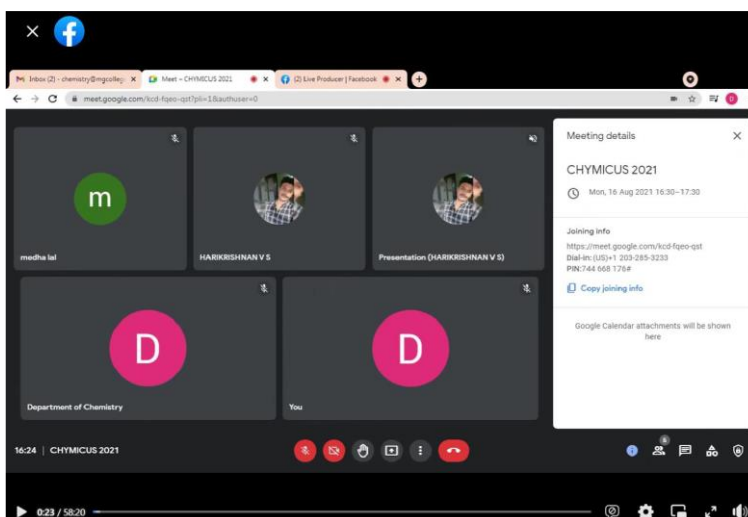
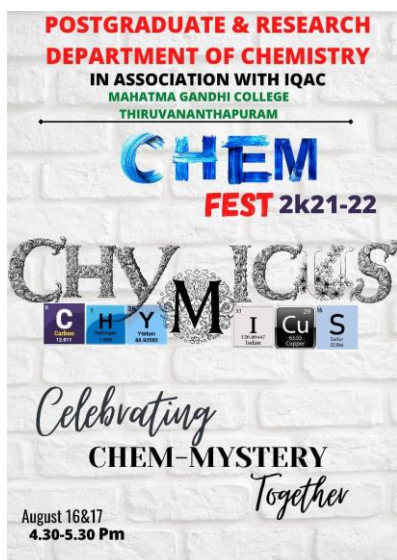
Reusing of Plastic for Homem Décor

This programme was organized by the department of Botany and it imparted skills to students in transforming plastic waste to home decor materials.



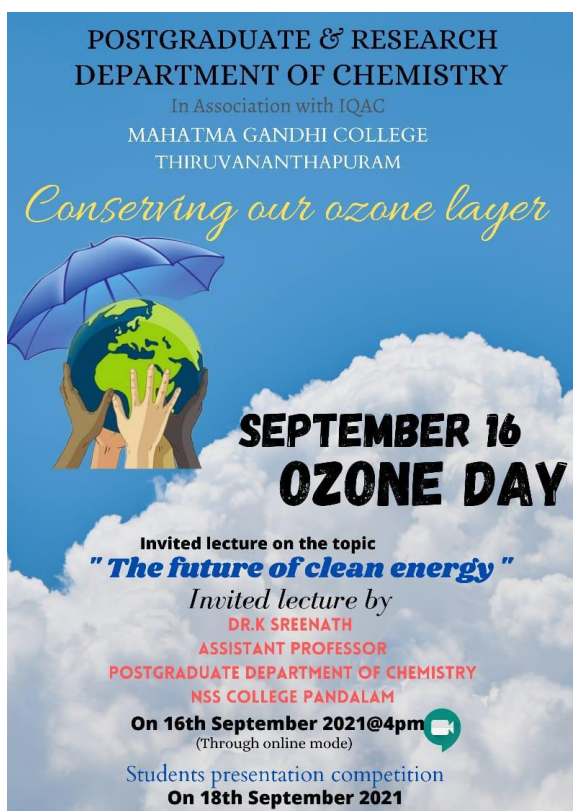
CHYMICUS 2021

Department of Chemistry organized chem fest entitled CHYMICUS 2021 on Aug 16 – 17, 2021 through online mode. As part of the programme experimental videos, presentation, quiz competition, spot explanation competition and poster designing competition were organized.



Observance of Ozone Day

Department of Chemistry organized the Observance of Ozone Day on 16/09/2021. As part of the programme, expert sessions, quiz, and poster competitions were organized for the students.



Two-Day International Conference on Recent Advances in Chemical Sciences (ICRACS-2022)

Department of Chemistry organized ICRACS 2022 as part of Mahatma Gandhi College Annual Research Conference (MGC – ARC) on 10 – 11 March, 2022. The conference was inaugurated by Prof. (Dr.) C T Aravind Kumar, Pro-Vice Chancellor, Mahatma Gandhi University and consisted of technical sessions and paper presentations through online mode.

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Fundamentals" with three images: a person in a lab coat, a close-up of a metal mesh, and a large industrial tank. Below the images are labels for "Lab scale" and "Industrial scale". The slide number "15" is visible in the bottom right corner. The meeting controls at the bottom show the time as 16:58 and the meeting ID as uqh-ghwe-drx. The participant grid on the right includes Renato Falcão Dantas (presenting), Harisankar A, Sreekanth Radhakri..., Bindu, Geethu Valsalan, Parvathy Jayan J, 20 others, and You.

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "OXLAB – laboratory of advanced methods to treat water and wastewater". Under the heading "Methods", it lists: "-Advanced oxidation process", "-Ozonation", "-Activated Carbon", and "-Membranes". Below the text is a detailed process flow diagram for wastewater treatment, showing stages from primary treatment (bar screens, grit chamber, primary clarifier) to secondary treatment (aeration tank, secondary clarifier) and final discharge. The diagram includes components like air compressor, return sludge pump, and sludge treatment and disposal. The slide number "16" is visible in the bottom left corner. The meeting controls at the bottom show the time as 16:41 and the meeting ID as uqh-ghwe-drx. The participant grid on the right includes Renato Falcão Dantas (presenting), Harisankar A (Presenting), Harisankar A, Sreekanth Radhakri..., Jaseem Ansari, Geethu Valsalan, Parvathy Jayan J, 20 others, and You.

Craft Awareness Programme

Department of Economics organized a Craft Awareness Programme from 4 – 7 Jan, 2022. As part of the programme craft exhibition, craft demonstration etc were organized.



International Webinar

A two-day international webinar on 'Purview of Psychology' was conducted by the Department of Psychology as a part of the Annual Research Conference of MGC ARC. on 15th and 16th of February 2022.

MAHATMA GANDHI COLLEGE TRIVANDRUM



DEPARTMENT OF PSYCHOLOGY, MGC-ARC & IQAC organizes

TWO DAY INTERNATIONAL WEBINAR ON

PURVIEW OF APPLIED PSYCHOLOGY

ORGANIZING COMMITTEE

Dr. Prathibha S. Nair
HOD, Dept of Psychology
Mahatma Gandhi College

Dr. Subha Sachithanand
Asst. Professor, Dept of Psychology
Mahatma Gandhi College

Dr. Jayaraj B.
Asst. Professor, Dept of Psychology
Mahatma Gandhi College

Dr. Anesh V. Appu
Asst. Professor, Dept of Psychology
Mahatma Gandhi College

15 & 16 FEBRUARY 2022

Platform:  Google Meet

E-Certificates will be provided to every participant.

[CLICK HERE FOR FREE REGISTRATION](#)

Last date for registration : 15/02/2022

PURVIEW OF APPLIED PSYCHOLOGY

WEBINAR SCHEDULE

DAY 1 : 15/02/2022

Session 1 (09:45 am - 11:00 am)

Welcome Speech
Inaugural Speech - Dr. Anjali M. Principal, Mahatma Gandhi College

Felicitation - Dr. Jayadev S. Convener, MGC-ARC
- Dr. Chithra V. S. Convener, IQAC

Key note address - Dr. Sreethi Nair
Topic: "Are we ready for future job? An Overview of Future Work Skill Competency"

Vote of thanks

DR. SREETHI NAIR
Dean, College of Arts & Sciences
Abu Dhabi University
Alumnus of Psychology dept, MGC (1993-96)

Session 2 (02:30 pm - 03:30 pm)

Welcome Speech
Key note address - Smt. Nisha Pratap
Topic: Scope of Organizational Behaviour and HR

Vote of thanks

SMT. NISHA PRATAP
HR Associate, Thomson Reuters
Bangalore
Alumnus of Psychology dept, MGC (2015-18)

DAY 2 : 16/02/2022

Session 1 (10:00 am - 11:00 am)

Welcome Speech
Key note address - Dr. Rahul V. R.
Topic: Scope and Opportunities of Educational Psychology

Vote of thanks

DR. RAHUL V. R.
HOD, Asst. Professor, Dept of Educational Psychology,
Government College of Teacher Education, Trivandrum

Session 2 (02:30 pm - 03:30 pm)

Welcome Speech
Key note address - Dr. Neethu P. S.
Topic: Recent Trends & Opportunities of Sports Psychology

Vote of thanks

DR. NEETHU P. S.
Asst. Professor, Dept of Sports Psychology
Central University of Rajasthan

Workshop on Word Processing

Department of Physics organized an awareness workshop on various aspects of the use of MS word and students were given hands on training on the use of MS Word. The programme was conducted on 09/03/2022. The training sessions were handled by Dr. Vaisakan Thampi, Assistant Professor in Physics.

**DEPARTMENT OF PHYSICS
MAHATMA GANDHI COLLEGE**

**MS-Office
for Academic Purpose**

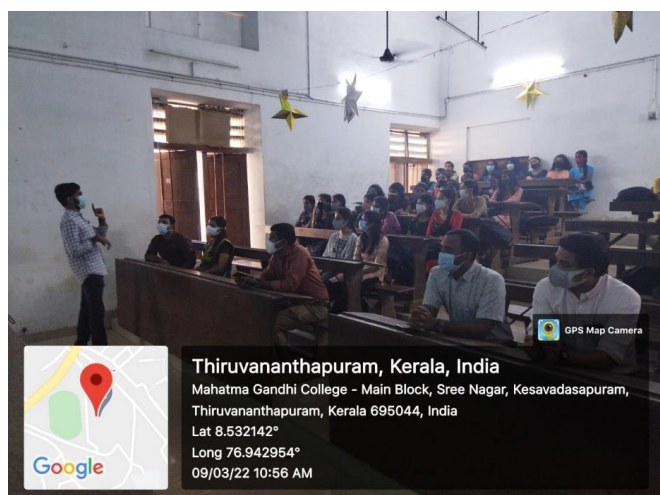
Workshop for Post Graduate and Research students

SOFTWARES DISCUSSED

- MS-Word
- MS-Powerpoint
- MS-Excel (basics only)

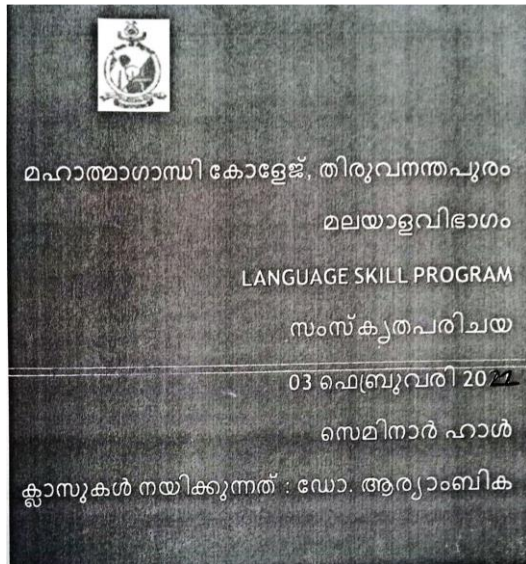


**10:30 AM
09-03-2022**



Language Skill Programme

Department of Malayalam organized a language skill programme to create awareness about Sanskrit on 3rd Feb, 2022. Dr. Aryambika, Assistant Professor in Sanskrit handled the technical session.



Career Guidance Programmes

Scope of Botany in various Fields

Department of Botany organized a career counselling session on various opportunities available for Botany UG and PG students on 09/06/2021. Dr. Shyam Kumar, Assistant Professor in Botany, Government College for Women, Thiruvananthapuram handled the session.



Awareness Session on Careers in Sociology

Department of Sociology organized a career awareness session on *Competitive Examinations and Future Prospects in Sociology* on 16/06/2021.

