

2021-22



**K.R. MANGALAM UNIVERSITY**  
**THE COMPLETE WORLD OF EDUCATION**

**REPORT**

**REPORT ON THE INTER-UNIVERSITY COMPETITION ON  
SCIENCE – EXHIBIT – 2022.**

**Event Name:** Inter-University Competition on SCIENCE – EXHIBIT – 2022.

**Organized by:** Dr. APJ Abdul Kalam Science Club

**Target Audience:** UG and PG students from different colleges/ universities

**Date:** 27<sup>th</sup> May 2022

**Venue:** Basement, B - Block

**Coordinators:** Dr. Neeraj Kumari (Faculty-Chemistry) and Dr Nidhi Gaur(Faculty-Physics)

**Judges:** Dr. Meenu, Associate Professor, School of Engineering and Technology, KRMU

Dr. Pankaj Gupta, Associate Professor, School of Medical and Allied Sciences,  
KRMU

**Introduction:**

Established by the initiative of School of Basic and Applied Science, the science club has provided a common platform for students from different disciplines to have enriching experience and explore new ideas on science and technology. It encourages out of box thinking amongst students and gives them a platform to put their knowledge into action, enhancing their scientific temperaments and critical thinking. This has been done through lectures, workshops, seminars, scientific activities like debates, declamation, model exhibitions, quiz and screening of science movies for the students. Throughout the academic session, the club has organized different activities to bridge the gap between theoretical learning and its practice.

  
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This event promotes practical knowledge, team work and hands-on learning in Science where students from different schools like SBAS, SOET and SMAS participated with full enthusiasm. The event aims to provide a common platform to students to give shape to their innovative ideas and learn from each other's experiences. It is related to SDG goal 4 providing quality education and SDG goal encouraging industry innovation and infrastructure.

**Objective:** The main objective to conduct the event was


- To provide a medium for popularizing Science and increasing awareness among stakeholders about the close relationship between Science, Technology and Society,
- To encourage scientific and technological creativity among students through self-designed models or simple apparatus.
- To encourage problem solving approach and developing appropriate technologies by applying scientific ideas in daily life situations.

**Content of the event:** In the event, there were 23 participants in 9 teams. The event was started by Dr. Neeraj Kumari, Coordinator of Science club and Dr. Nidhi Gaur, Co-coordinator of Science Club by welcoming all the students with best wishes.

There were different models on different themes like IOP based hybrid streets, electric bicycle, fire bird obstacle, home automation, drone, rain water harvesting, assignments problem analysis and Automatic side stand retrieve system. All students participated with great zeal and exhibited their scientific temperaments with a concern for sustainability and inclusivity. Project description is attached below

Electric bicycle: They are a step forward to revolutionize our idea of environmentally friendly transportation. A small dynamo (generator) mounted on the rear wheel produces a tiny current of electricity to keep the back safety lamp on. If operating with a battery, it would produce a steady electric current, driving the dynamo in reverse so that it spun around like an electric motor. As the dynamo/motor turned, it would rotate the tire and make the bike go along without any help from the rider.

Rain water harvesting: It refers to collection and storage of rain water that runs off from roof tops, parks, roads, open grounds, etc. This water run off can be either stored or recharged into the ground water. Harvesting rainwater means utilising every single drop to recharge the groundwater, by simply directing it to the well or under the ground.

  
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**Home automation:** Home automation is a step toward what is referred to as the Internet of Things, in which everything has an assigned IP address, and can be monitored and accessed remotely. The first and most obvious beneficiaries of this approach are smart devices and appliances that connect to a local area network, via Ethernet or Wi-Fi.

**Fire bird obstacle:** Robot has sufficient intelligence to cover the maximum area of provided space. It is a robot that will move according to the code assigned and navigate according to the conditions i.e., navigating from any obstacle on its way to avoid collisions. The guidance system consists of infrared sensors for obstacle detection, range determination and avoidance.

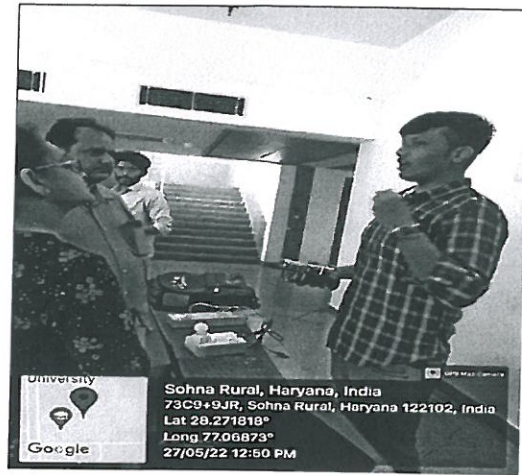
**Event outcome:** With their fierce views, outstanding performance and presentation for drone model, Diwakar, Lakshay and Shaurya scored first position with Rs. 2,000/-. The second prize (Rs. 1,500) won by two teams: Avinav Gupta and Vinay for Automatic side sound retrieve system. The third prize was received by Agnivesh Tiwari and Jeetika for assignments problem analysis with Rs. 1000/-.

**Conclusion:** Dr. Meenu and Dr. Pankaj Gupta appreciated the efforts of the students and awarded 'Certificate of Merit' and prize money to the winners. In the last, the coordinators of science society congratulate to the winners and thanks to all students for participating and attending the event.

**Future scope:** This kind of exhibition shows is an attempt to collaborate and provide an opportunity for a friendly union between the students. Now a day, technology deals with control of matter on an atomic and molecular scale therefore, the model presented by the students has a diverse range of application in different fields.



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Students giving detailed description of the project



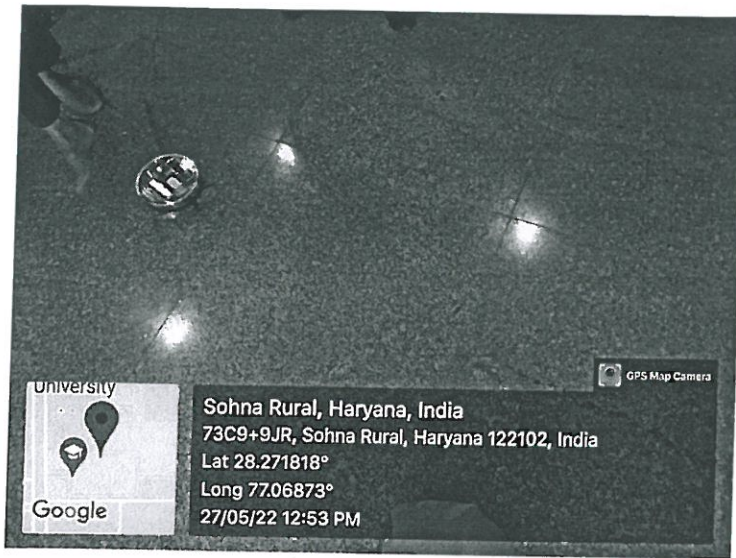
Group photograph with the winners

*Neeraj*  
*27/5/22*



Group photograph with all the participants

*Jmd*  
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Working description of robot-Fire bird obstacle

Neeraj

  
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### Dr. APJ ABDUL KALAM SCIENCE CLUB

**Event Name:** Workshop on Origin: Software for Analysis of Research Data

**Target Audience:** Students and Faculties of KRMU

**Date:** 18<sup>th</sup> May 2022

**Venue:** Computer Lab – 2, A – Block

**Resource person:** Dr. Priyanka Kumari, Assistant Professor, Shivaji College, University of Delhi.

#### **Introduction:**

Dr. APJ Abdul Kalam Science Club was started by the initiative of School of Basic and Applied Sciences with an aim to channelize the energies of students and make use of their skills and talents, which satisfy their instincts and urges and helps in their overall personality development. Science club has been organizing Seminars, Workshops, Exhibition, Debate and Quiz competition since 2016 under various themes.

The workshop organized by Dr. APJ Abdul Kalam Science Club. The key features of Origin related to importing data, performing basic data processing and analysis, and creating and publishing graphs. This type of workshop can be directly linked with SDG goals 4 which is quality education.

**Objective:** The main objective to conduct the workshop was to demonstrate the key graphing and analysis features, including Curve Fitting, Peak Analysis, Auto-Recalculation, Themes and Templates for Graphing and Analysis, Custom Reports, Batch Plotting, and Batch Analysis.

**Content of the event:** Origin is the data analysis and graphing software of choice for over half a million scientists and engineers in commercial industries, academia, and government

  
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laboratories worldwide. Origin offers an easy-to-use interface for beginners, combined with the ability to perform advanced customization as you become more familiar with the application.

The event started by Dr. Neeraj Kumari, Coordinator where she welcome the resource person, Dr. Priyanka Kumari and students. During the event, 20 participants were present including students and faculties.

Dr. Priyanka started the workshop by giving introduction about the software. She emphasized on the importance of the software and its need in today's life, especially for researchers. She explained the difference between the graphs drawn in Microsoft excel and origin. She told to the participants to draw the graph, its formatting, and analysis. She explained it very well through UV-Visible spectra.

She explained in her lecture about Origin graphs and analysis results which can automatically update on data or parameter change, allowing you to create templates for repetitive tasks or to perform batch operations from the user interface, without the need for programming. The speaker also provided plenty of time for discussion, and encourages attendees to bring their specific data and questions!

In the last, **Dr. Nidhi Gaur, Co-coordinator** of science club gave vote of thanks to the resource person.

**Workshop outcome:** Students can analyze and represent their research data in a better way. By acquiring new skills and capacities.

**Conclusion:** The workshop was very informative and it will be a great opportunity to learn how you can use Origin more effectively.

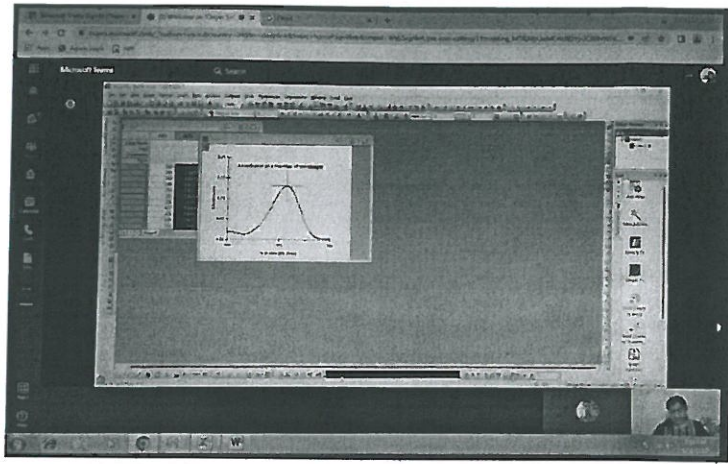
**Future Scope:** This type of workshops usually unfolds in three stages: critique (determination of the current problem in representing research data), fantasize (solutions to the problem), and implementation to show the data in a better way.



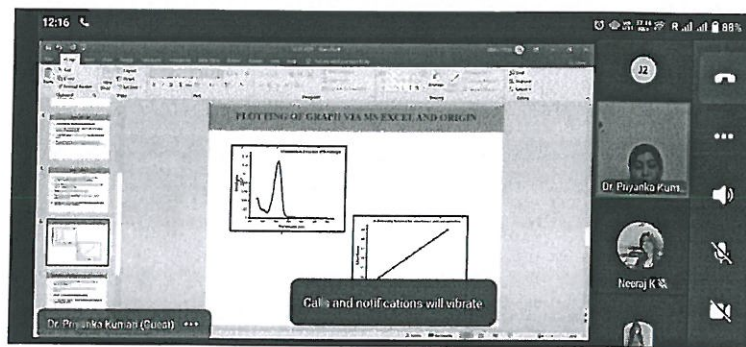
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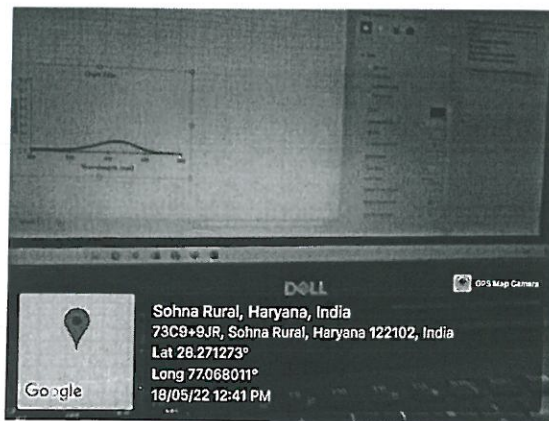




Plotting of graph using origin



Speaker told about the difference between excel and origin graph



Plotting of graph using MS excel

Neeraj

*Neeraj*  
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## LEARN TO LEARN WORKSHOP

**Target Group:** Students UG/PG

**Resource Person:** Ms. Kriti Sharma, Assistant Professor, Department of Computer Science, School of Engineering and Technology, K.R. Mangalam University was the resource person.

**Coordinators:** Dr. Rashmi Singel, Mr. Lavesh Mishra, Dr. G S Khera ( Faculty Coordinators), Ms. Rashmi Mishra and Ms. Penna ( Student Coordinator)

**Date and Time:** 27<sup>th</sup> April, 2022 from 12:00 PM to 1:00 PM

**Venue:** Computer lab I and Computer lab III, Block -A, K. R. Mangalam University

### Introduction

A day without Internet is impossible to achieve. From shopping to education, Internet is backbone in every sector. To make students explore the power of internet in our day to day life, Management Society organised "Learn TO Learn" workshop in association with School of Management and Commerce, K.R. Mangalam University on 27th April, 2022 from 12:00 PM to 1:00 PM.

The aim of this workshop was to give students hands on experience with Key word Research Concepts, Search Intent, Search Difficulty, key word Research Tools and Strategies.

Ms. Kriti Sharma, Assistant Professor, Department of Computer Science, School of Engineering and Technology, K.R. Mangalam University. Gurugram conducted the work shop.

### Objectives

- To make the students acquainted with key word Research Tools and Strategies
- To introduce students to VidIQ, a popular application used by you-tubers, to optimize and advertise their material.

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27/4/22

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27/04/22

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## Content

The work shop begun with introduction of resource person Ms. Kriti Sharma by Dr. Rashmi Singel, faculty coordinator, Management Society . Workshop was mostly focused on the concept of keyword research and how to use that keyword on Google to find relevant information. Ms. Kriti Sharma engaged students by giving interesting assignment relating to hash tags like hashtag to upload blog on YouTube, citing trip blog as an example. Students created an excel file of hash tags. Students were, then introduced to VidIQ, a popular application used by you-tubers who want to optimise and advertise their material. Students created their account on VidIQ and used the application creating better hash tags and making their you tube content viral. Participants were awarded with E-certificates. This sort of event should keep happening. This encourages students to be more motivated and brave in their technological endeavours.

## Attendees

The workshop was attended by more than 40 students of different schools like School of Engineering and Technology, School of Management and Commerce, School of Legal Studies

## Activity Outcome

The work shop gave hands on experience to the participants for using internet for searching key words, hash tags. The workshop made students conversant with key word Research Tools and Strategies. Students created their account on VidIQ and used the application for creating better hash tags and making their you tube content viral. The workshop was received with admiration by the students and the faculty members.

**Conclusion** It was also a great initiative taken by the Management Society , in collaboration with School of management and Commerce for conducting this wonderful workshop on using internet more productively especially during the era of digital world..

## Further Scope

This type of workshops enhances the knowledge of the students related to usage of internet in optimized manner. More of such workshops about other open resources on internet can be organized

Event coordinator: Dr. Rashmi Singel

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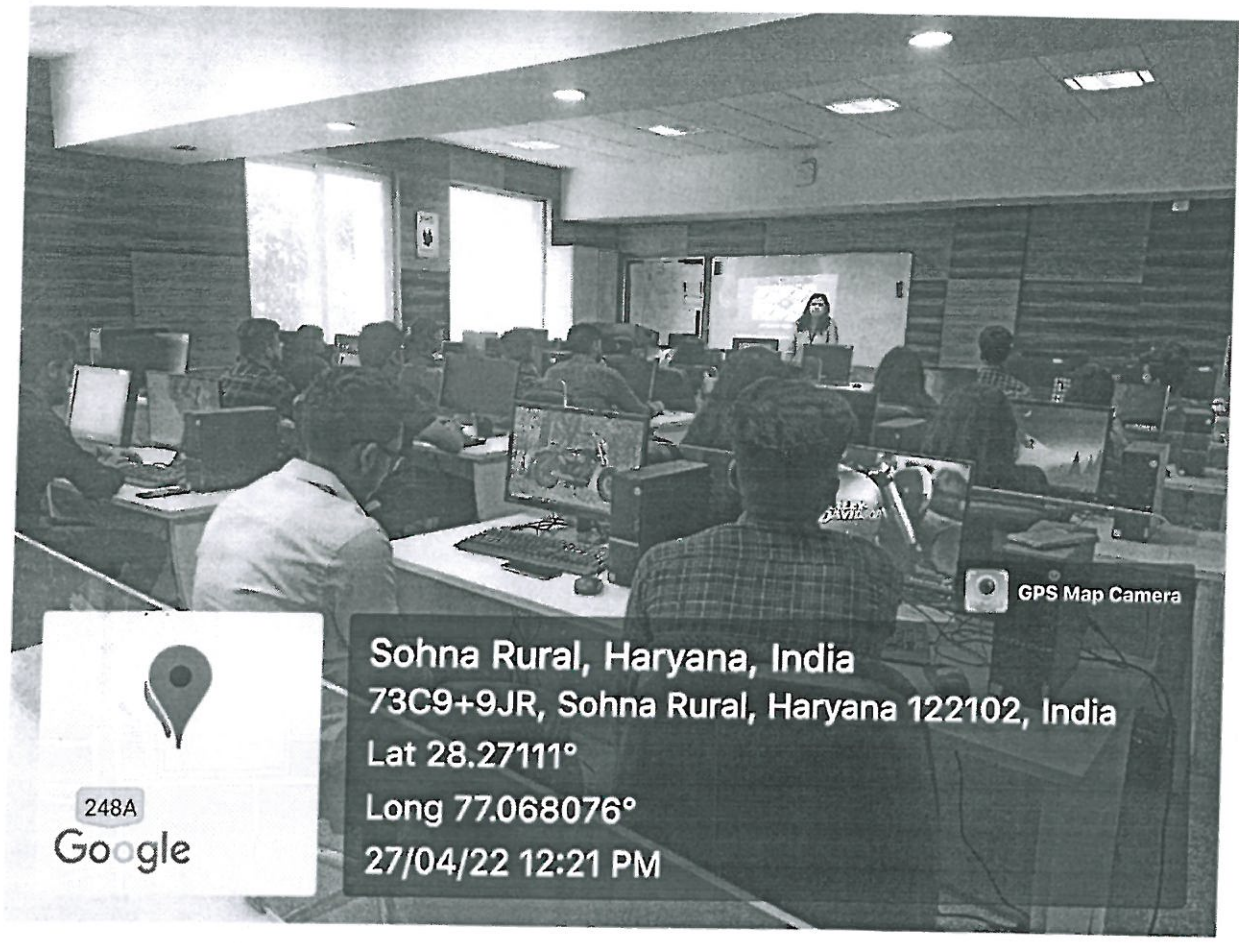


Photo 2 : Resource person Ms. Kirti Sharma giving important insights to participants

*Kirti Sharma*  
27/4/22

*Kirti Sharma*  
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Photo1: Dr. Rashmi Singel, event coordinator introducing the resource person Ms.Kriti Sharma

*Rashmi Singel*  
27/4/22

*Kriti Sharma*  
27/4/2022

*[Signature]*  
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## Promoting Gender Equality and Diversity in Global World


**Date: 19<sup>th</sup> April, 2022**

Model United Nations club organized an Intra-University group discussion 'Promoting Gender Equality and Diversity in Global World' on 18<sup>th</sup> April 2022 at 12:00 PM onwards at room A213. The discussion focussed on the need promoting gender equality and diversity in the world and explored the different aspects of the same ranging from socio-political as well as cultural.

The discussion aimed at bringing together students from various schools and disciplines to have an interaction and share their unique perspective on the topic. Over 16 students from various departments participated in the event enthusiastically and it was chaired by Dr. Inderpeert Kaur. It led to a wholesome and holistic discussion why we as a collective society foster the ethos of gender equality and diversity in the global world. The event was thought-provoking and successful in opening different perspectives to all.

  
Ms. Shrutika Lakshmi

MUN In Charge

  
Dr. Tania Gupta

Dean, Student Welfare


  
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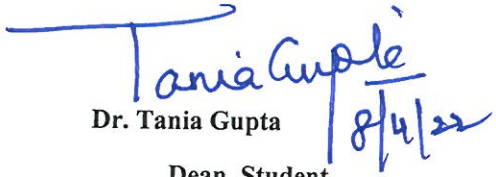
**Impact of Covid on Global World**  
**REPORT**


**Date: 8<sup>th</sup> April, 2022**

Model United Nations club organized an Intra-University panel discussion on 'Impact of Covid on Global World' on 7<sup>th</sup> April 2022 at 12:00 PM onwards at room A213. The discussion focussed on the impact of the coronavirus pandemic in a global context and explored the different aspects of the same ranging from health to economic.

The discussion aimed at bringing together students from various schools and disciplines to have an interaction and share their unique perspective on the topic. Over 12 students from various departments participated in the event enthusiastically and it was chaired by Dr Arif Pasha. It led to a wholesome and holistic discussion on how the pandemic affected countries all over the world. The event was thought-provoking and successful in opening different perspectives to all.

  
Ms. Shrutika Lakshmi  
MUN In Charge  
Welfare

  
Dr. Tania Gupta  
Dean, Student

  
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**K.R MANGALAM UNIVERSITY**

**MODEL UNITED NATIONS CLUB**

**INTER UNIVERSITY SUMMIT- CLIMATE EMERGENCY IN PRESENT SCENARIO**

**REPORT**

Date: 29/03/2022

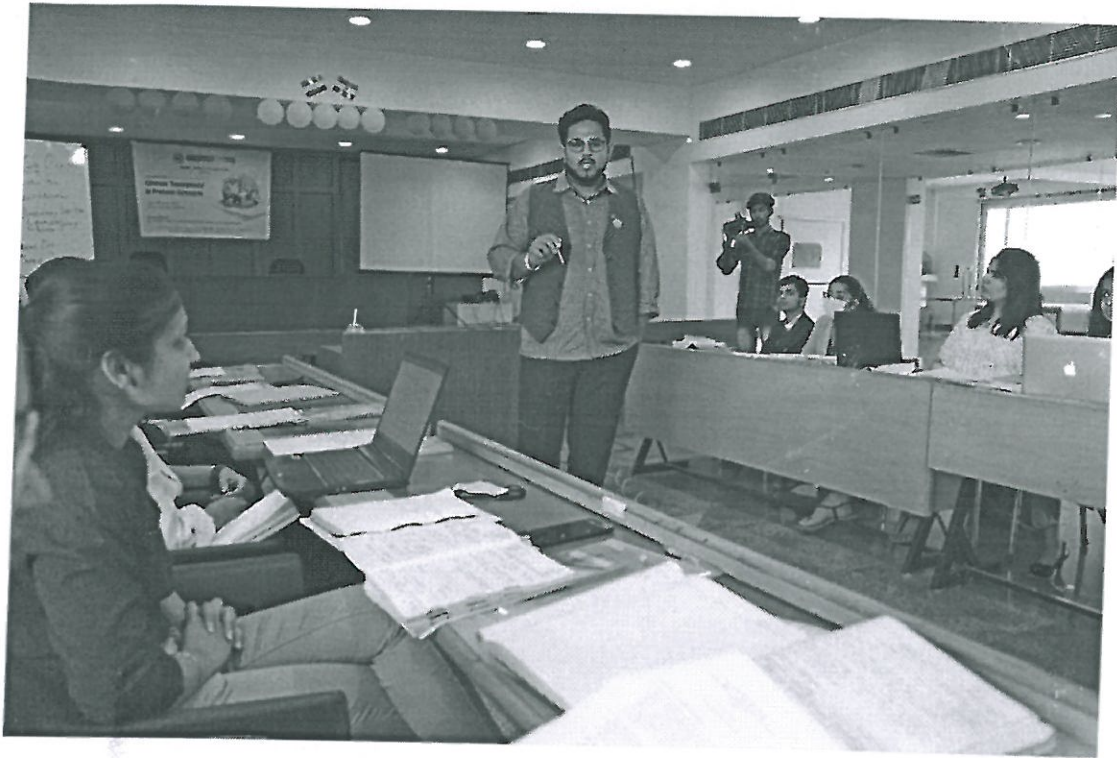
The Model United Nations Club of K.R Mangalam University organised its first Inter University Summit on Climate Emergency in Present Scenario to commemorate the World Water Day. Given the climate crisis, it is important to organize educational simulations in order to spread awareness about the actual climatic changes happening globally.

Students from reputed universities and schools like Delhi University, Ambedkar University, Delhi and R.P.S International School participated in the event. Ms. Garima Rajpal from Ambedkar University was awarded the title of Best Delegation, Ms. Lovisha Jindal from Ambedkar University, Delhi got the title of High Commendation and Mr. Abhyankar Shukla from Delhi University bagged the Special Mention. The event was a huge success as gauged after interaction from the participants.

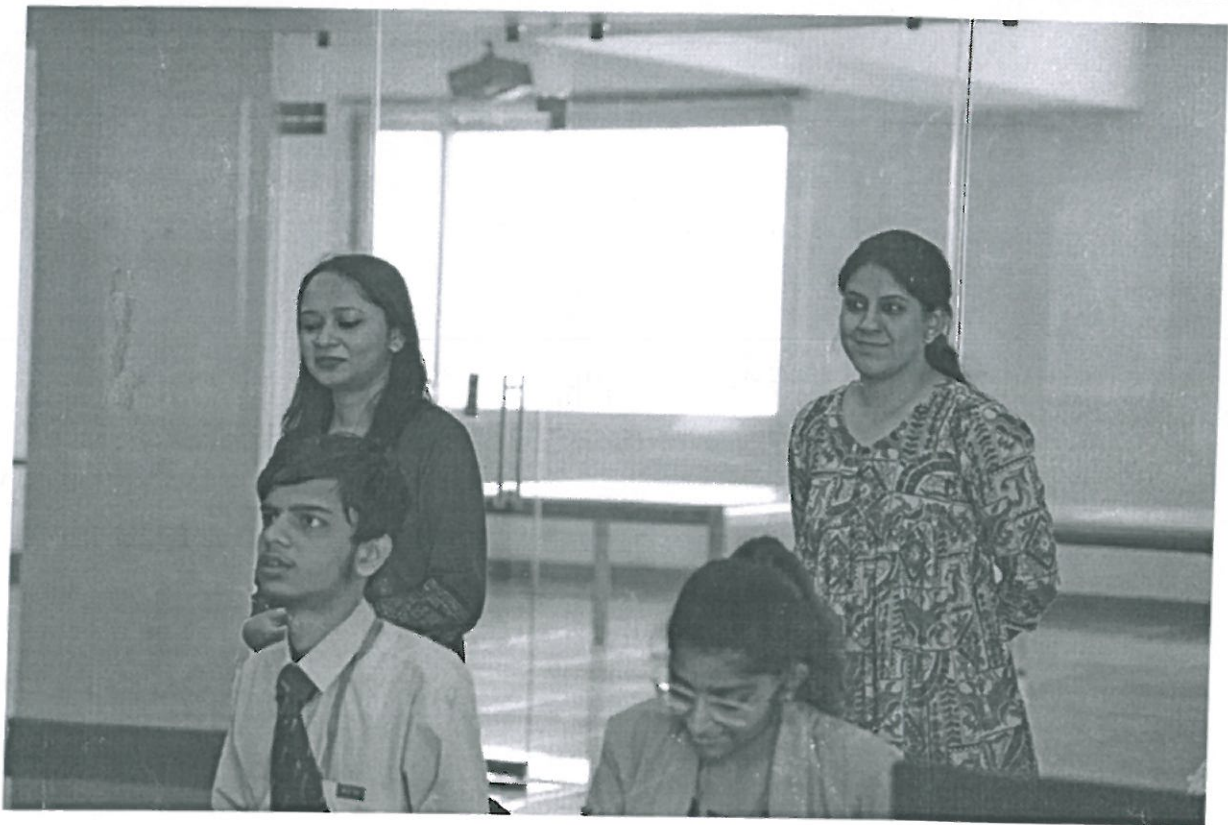


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*Jmt*  
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**WORKSHOP on STRESS MANAGEMENT organized by School of Humanities in association with School of Basic and Applied Sciences (SBAS), Chetna Society and Dr. APJ Abdul Kalam Science Club on 21 March 2022**

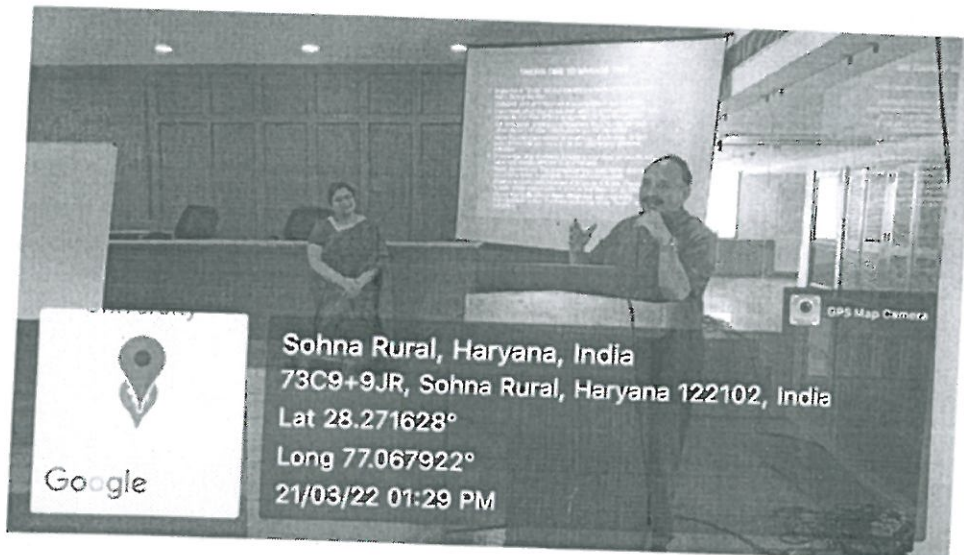
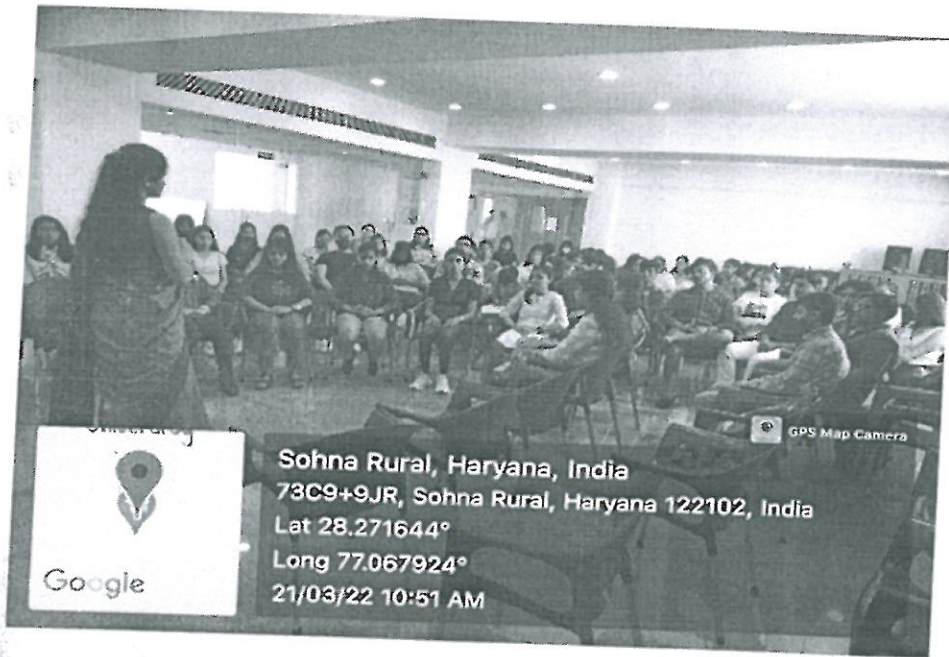
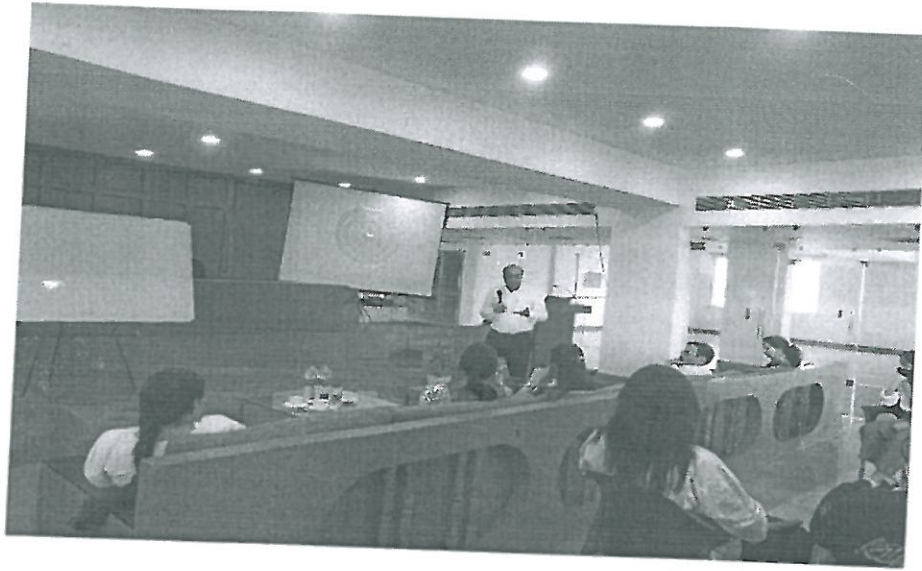
*Most of the times, you cannot control the situation which is around you, but you can always control on yourselves what troubles you.*

As the current time is of competition time where everyone operates every situation on global basis as it is difficult to cope with pressure on professional as well as social front. In order to enable the students to handle stress more effectively, a one-day workshop on “**Stress Management**” organized by **School of Humanities in association with SBAS, Chetna Society and Dr. APJ Abdul Kalam Science Club on 21<sup>st</sup> March 2022** from 10:30 am- 1:30 p.m in Moot Court, A- Block, K R Mangalam University, Gurugram. As per schedule, the workshop began on time with welcome address and facilitation of eminent speaker **Prof. (Dr.) N. K. Chadha, Former Head, Department of Psychology, University of Delhi, Chief Psychometrician & Director of Advisory Board of Wellness Mandala** by **Prof. (Dr.) Tania Gupta, Dean School of Humanities and Dr. Meena Bhandari, Dean School of Basic and Applied Sciences**. 40 students from the host schools, club and society attended this impactful workshop.

The workshop commenced with a Heartfulness Meditation session conducted by **Dr. Ruchika Yadav**, Associate Professor, School of Management & Commerce (SOMC) and In-charge Chetna Society. Prof. Chadha in a student-centric manner enabled the students to understand the concept of stress and discussed about various psychological, emotional, environmental and physical effects emerging out of them. Through various case studies

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# K.R. MANGALAM UNIVERSITY

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Report on

## Discussion Panel on Gender Parity in Global Context

**Target Group:** Students from various departments

**Judge:** Dr. Inderpreet Kaur

**Jury Team:** Ms. Shrutika Laxmi, Dr. Shivani Wadhwa, and Ms. Kanika Joshi

**Coordinators:** Dr. Tania Gupta (Dean, Student Welfare), Ms. Shrutika Laxmi (MUN Coordinator), Ms. Kanika Joshi (Rhetoric Club Coordinator)

**Date and Time:** Thursday, 14<sup>th</sup> March 2022, 12:00 PM

**Venue:** Room No. A 213, A Block, KRMU.

### Introduction

With the objective of assessing the present scenario of gender parity and its effects on society, a discussion panel was organised among the students from various departments. The discussion ensued with Dr. Inderpreet Kaur as the judge, as the students concurred over various aspects of gender parity.

### Objectives

- To create an understanding of gender parity being imperative in the assessment of gender inequality in specific areas and arenas.
- To analyse the different indicators and parameters for women's empowerment.
- To develop an understanding of gender parity or the lack of it in the global context.

### Content

The discussion panel consisted of teams with two or more participants. There were two rounds held, in the first round, participants were given a duration of 2-3 minutes to convey their thoughts and ideas on the agenda. In Round 2, the participants were put up with questions from the audience, fellow participants, and also the honorable jury present. The panel then moved to the interjection round, leading forth to a zestful end.

Kanika  
14/03/22

Tania Gupta  
14/03/22<sup>1</sup>

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### Attendees

Students from various departments.

### Activity Outcome

Students got an understanding of the various aspects of gender parity through a thorough discussion of varied viewpoints. They were able to delineate indicators and points of assessment regarding present inequality in the global context as well.

### Conclusion

This was a highly informative session for the students that helped in getting acquainted with the issue of gender parity and its importance in each arena of the society.

### Further Scope

Such discussions will help sensitize students about the present scenarios pertaining to gender and make them aware of the need for change and improvement of the society as a whole requires. It will help create an understanding of the reasons for promoting gender parity for a better society.

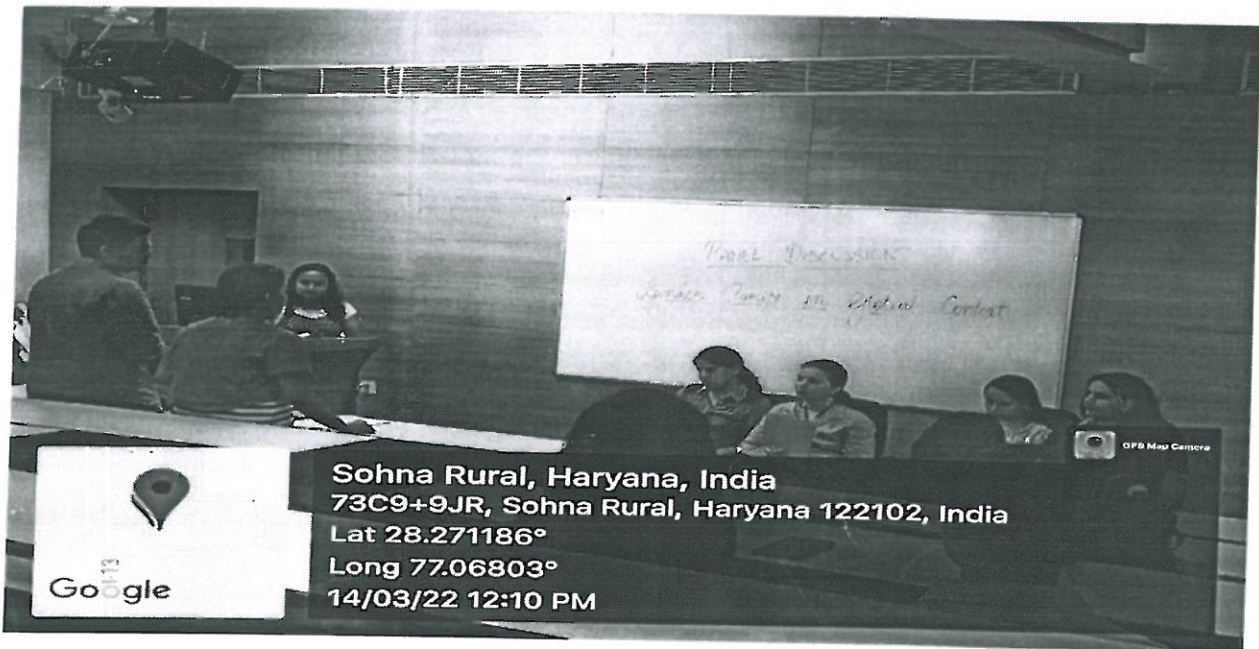


Photo 1: Honorable judge Dr. Inderpreet Kaur along with jury team: Ms. Shrutika Laxmi, Dr. Shivani Wadhwa, and Ms. Kanika Joshi listening to the views of students.

*Kanika*  
14/03/22

*Jmk*

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*Tarika Gupta*  
14/03/22

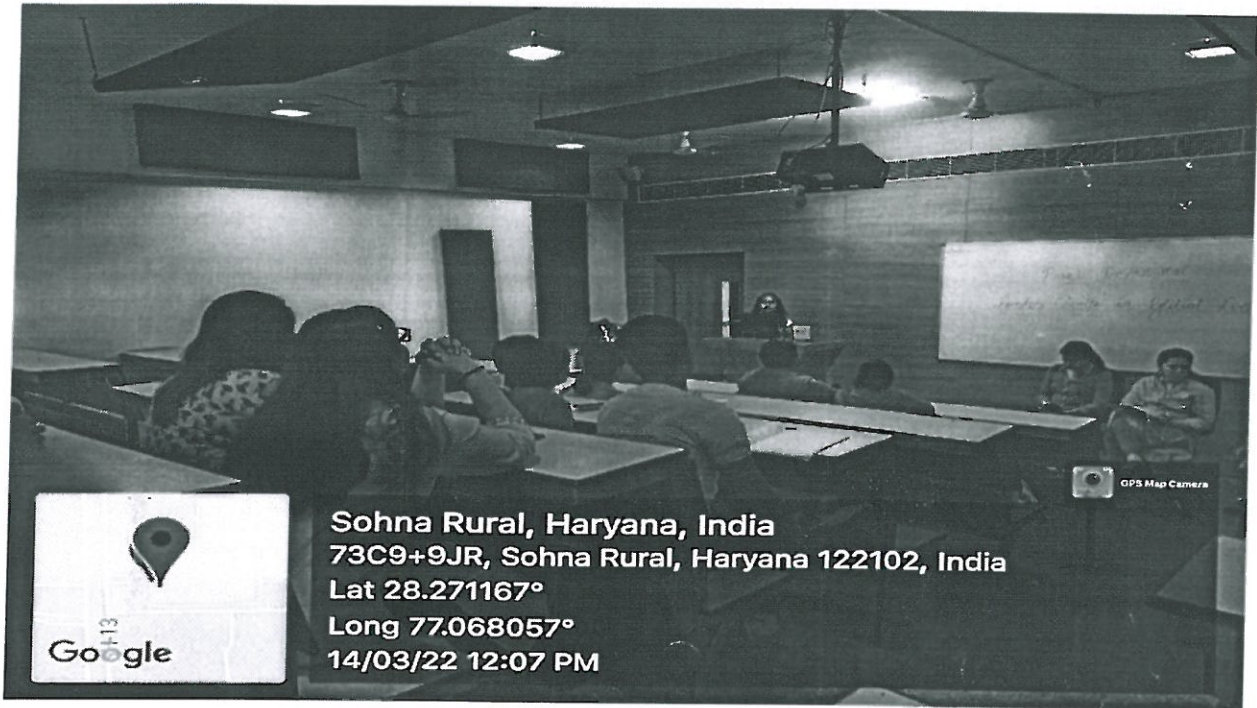


Photo 2: Students presenting as a part of the discussion panel during the interjection round.

*Kaush*  
14/03/22

*Tarish Gupta*  
14/03/22

*JMD*  
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**Report on “Beti Bachao Beti Padhao” organized by NSS Club in collaboration with Science Club, Chetna Society, SOED, SOHS, SJMC on 7 March 2022**

On the occasion of Women’s day, a program on “**Beti Bachao Beti Padhao**” organized by NSS Club, K. R. Mangalam University in collaboration with Science Club, Chetna Society, SOED, SOHS, SJM on 7<sup>th</sup> March 2022 at Adarsh Public School, Garhi Bazidpur, Sohna. As per schedule, the program began around 12:00pm with welcome address of speaker **Dr. Kuldeep Kumar**, Principal of Adarsh Public School, **Mr. Anshuman Kalra**, founder of Women health Expert and Biocredence and **Prachi Chauhan**, member of Selfie With daughter. More than 50 participants were present in the program including faculties and students.

The main objective of the program was to create awareness among the people about the importance of girl child. The bigger objective was to discourage them against the female foeticide, a cancer for the society. There was a huge enthusiasm among the teachers and the students for the program.

During the program, Agnivesh Tiwari and Sejal Lohiya who hosted the event discussed about **Avni Iekhara**, who is an Indian Paralympian and rifle shooter. She won a gold medal in 10m air rifle standing and a bronze medal in 50m rifle 3 positions at Tokyo 2020 Paralympics. The second example they discussed was of **Bhawana Kanth** who is one of the first female fighter pilots of India. She was declared as the first combat pilot along with two of her cohort, Mohana Singh, and Avani Chaturvedi.

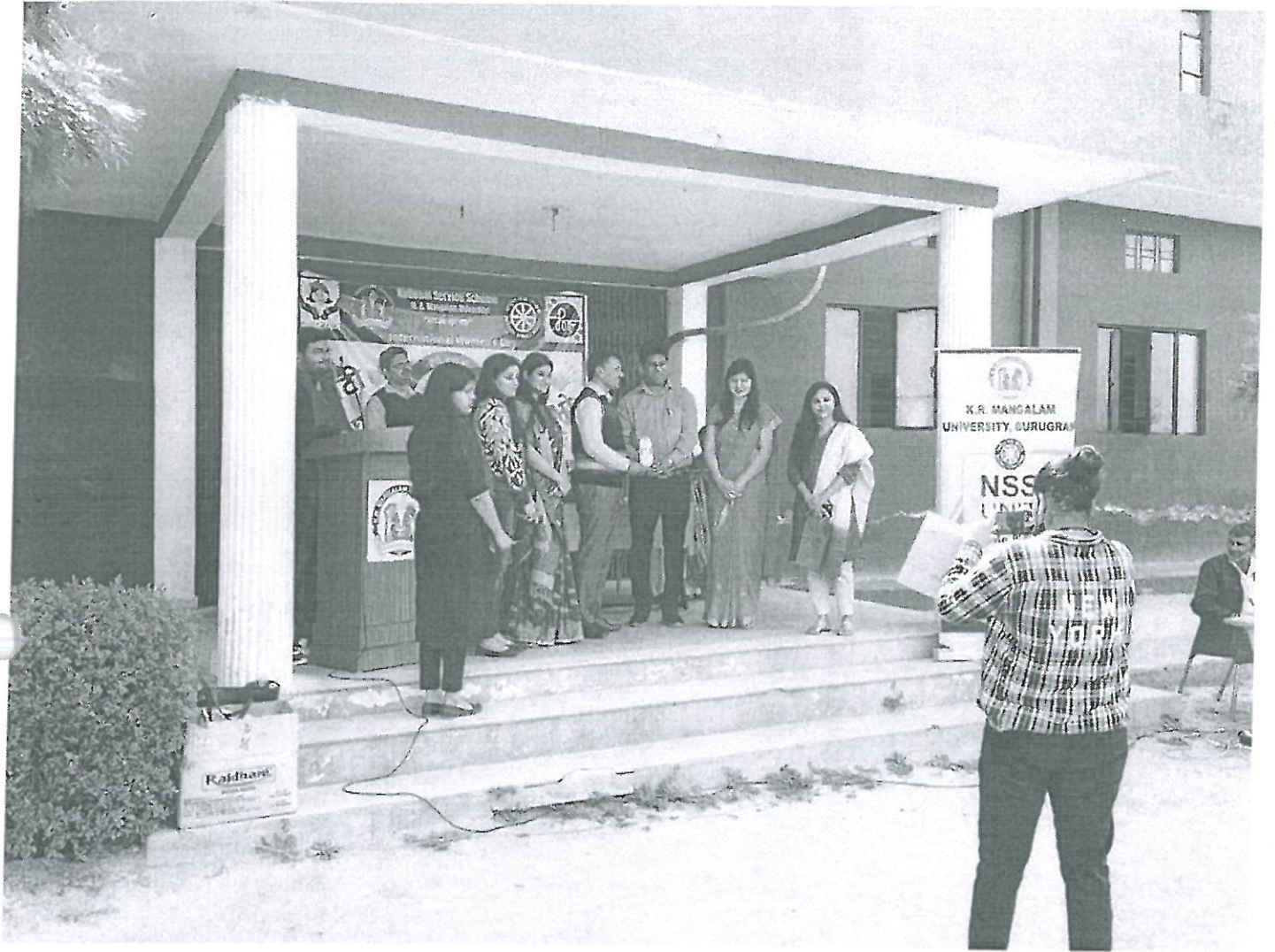
After this students of K R Mangalam university performed a nukkar natak and gave the message about the importance of girl in the society through their natak.

Mr. Anshuman Kalra and Ms. Prachi Chauhan awared the students about the health of women and role of women in the society. They acknowledged that if girls survive, the earth will survive and so on.

  
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National Science Day Celebrations

**Date-** February 28, 2022

**Time:** 11:00 Am

**Venue –** Moot Court, 4th Floor- A Block

**Event Type:** Expert Lecture

**Mode of Activity:** Offline

**Target Group:** Pan University Student

**Resource Person:** Dr. Gagan Sharma

**Coordinators:** Dr. Ruchika Yadav,

**Organized by:** CHETNA SOCIETY

National Science Day was celebrated & observed by the students of K R Mangalam University on 28<sup>th</sup> February' 2022 to mark the discovery of the Indian Scientist Sir Chandrashekhara Venkata Raman who discovered a phenomenon Of scattering of photons which was later known as "Raman Effect" after his name.

This PAN university event was organised online as well as offline on account of National Science Day at Moot Court, 4<sup>th</sup> Floor- A Block from 11:00AM to 12:30PM for the university students through the Chetna Society & Management Society forums coordinated by Dr. Ruchika Yadav and Dr. Rashmi Jain respectively.

- **Commemoration:** To commemorate the discovery of the "Raman Effect" by Sir Chandrashekhara Venkata Raman, an esteemed Indian Scientist, on National Science Day.
- **Education:** To educate students about the significance and impact of scientific discoveries in various fields, particularly focusing on the Raman Effect.
- **Integration of Science and Meditation:** To explore the correlation between science and meditation, highlighting the scientific benefits of meditation on mental and physical well-being.
- **Awareness:** To raise awareness among students about the importance of stress management through meditation and its potential impact on health.
- **Inspiration:** To inspire students to delve deeper into scientific research and its applications for personal and societal betterment.
- **Engagement:** To actively engage students in discussions about the neurological and psychological effects of meditation on the brain.
- **Information Sharing:** To share insights from published research papers regarding the benefits of meditation on various health conditions such as cancer, migraines, and hypertension.
- **Encouragement:** To encourage students to explore meditation as a tool for improving cognitive abilities, including IQ and academic performance.

  
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- **Networking:** To provide a platform for students to interact with an expert in the field of medicine and meditation, fostering networking and learning opportunities.
- **Appreciation:** To show appreciation for scientific advancements and the contributions of Indian scientists like Sir C. V. Raman, paving the way for further scientific inquiry and innovation.

Dr. Ruchika Yadav welcome the Guest Speaker Dr. Gagan Sharma, Consultant Interventional Cardiologist from Shri SaiBaba Hospital, Shirdi, Maharashtra who later presided over the session.

The Guest Speaker discussed various aspects of science & linked the same with scientific power of meditation which included the neuro-electrical changes during meditation, its' psychological benefits & the reason behind the unregulated mind. In simplified terms he discussed about the Impact of on brain before & after 10 mins meditation. Very interestingly he shared about the concept of 'Telomeres' that get shortened by stress, which may be cured with 3 months of stress management through meditation.

Very beautifully, he shared the benefits of meditation through chemistry of emotions , where a hormone oxytocin is released in brain to boost positive emotions which lead to positive mood, stress copying, social wellbeing, trust, and bonding, relieves stress and anxiety etc.

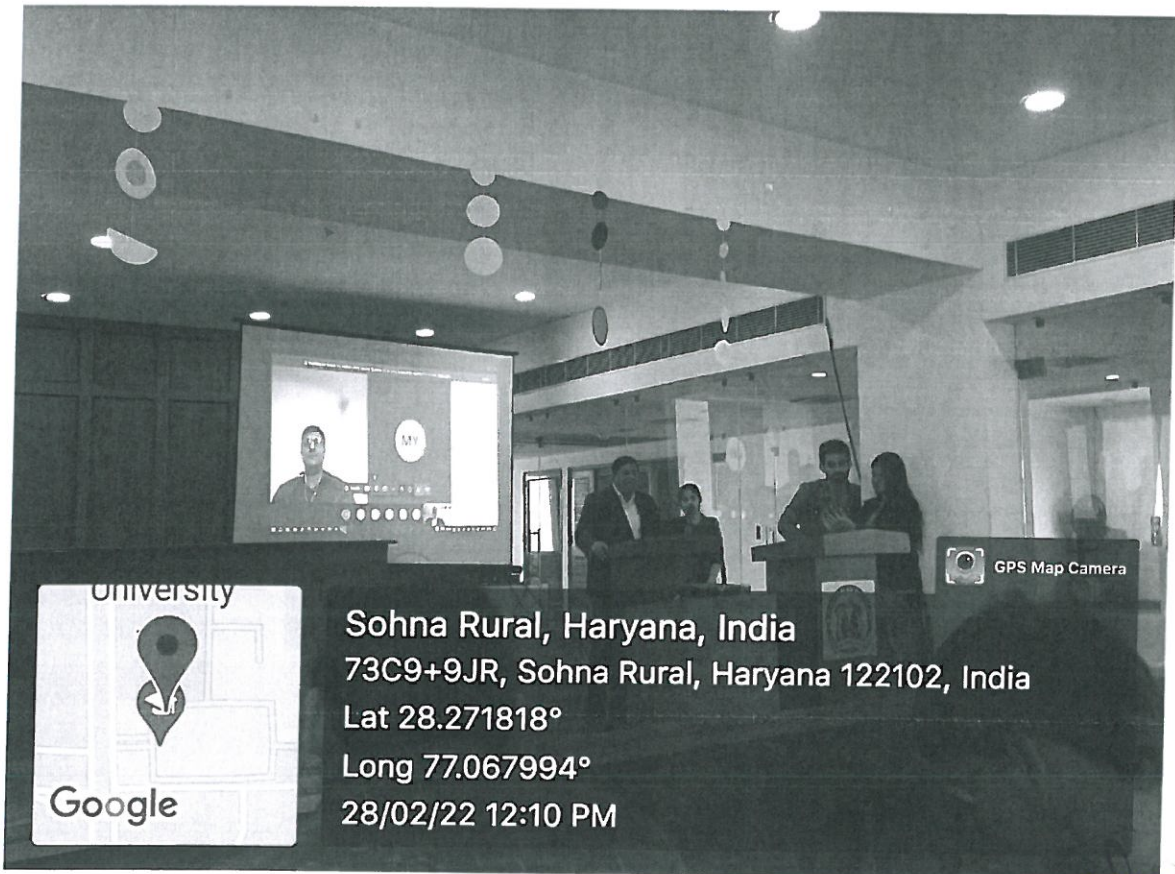
Through renowned published Research Papers, he shared the benefits of meditation for cancer patients, migraine headache patients, Development of IQ in university students, improvement in academic skills, Holistic Improvement in Intellectual Performance through transcendental meditation, Decreased Blood Pressure Among Hypertensives & many more.

Students were showing their interest towards understanding the scientific benefits of meditation & they were keen to improve their IQ. The event not only educated students about the significant contributions of Indian scientists but also inspired them to delve deeper into scientific inquiry. Dr. Sharma's insights into the neuro-electrical changes during meditation, the chemistry of emotions, and the potential benefits for various health conditions left a lasting impression on the audience.

Moreover, the session provided a platform for students to actively participate in discussions, expressing their keen interest in understanding and implementing meditation techniques to improve their IQ and manage stress. The sharing of research findings further solidified the importance of meditation in enhancing overall health and academic performance.

The session was ended by the praiseworthy words for the speaker for sharing the wonderful & unique scientific information through thanksgiving note by Dean -School of Management & Commerce- Prof.(Dr.) Rajat Gera.

  
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*Jay*  
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GPS Map Camera



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**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**Internal Quality Assurance Cell**

**REPORT**

**Workshop – Research Methodology**

**Event Name: Workshop – Research Methodology**

**Target Group:** UG, PG and PhD students

**Date:** 14<sup>th</sup> February, 2022

**Venue:** K R Mangalam University through online mode

**Resource Person:** Dr. Umesh Gupta, Assistant Professor, Department of Pharmacy, Central University of Rajasthan

**Organiser:** Dr. A. P. J Abdul Kalam Science Club under the aegis of IQAC

**Introduction:**

Dr. APJ Abdul Kalam Science club was established by the initiative of School of Basic and Applied Science in 2016. The main aim of proposing the club was to provide a common platform for all the students from different program by conducting knowledge-enhancing events, lectures and essay competition, workshops, debate competitions model exhibition to convey the ideas and to fill the gap between theoretical learning and its practice. These types of events mainly boost ambitious students to put their theoretical knowledge into practical, by enhancing their scientific temperaments and critical thinking.

On 14<sup>th</sup> February 2022, Science Club under the aegis of IQAC organized a workshop on Research methodology which is a technique used to identify, select, process, and analyse information about a topic. In a research paper, the methodology section allows the reader to critically evaluate a study's overall validity and reliability. Data may be grouped into four main types based on methods for collection: observational, experimental, simulation, and derived. Correct choice of research methodology helps in determining the success and overall quality of research study and its documentation. This kind of workshop will be helpful for the

  
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students as well as for researchers to achieve the quality education and can be directly correlated with SDG goal 4.

**Objectives:** To apprise researchers and students with techniques for collection of data from authentic sites and methods to analyse them. Furthermore, becoming familiar with the research methods used by an area of study allows researchers to understand it more effectively.

**Content of the Event:** A virtual workshop on “**Research Methodology**” organized by **Dr. APJ Abdul Kalam Science Club, K. R. Mangalam University** on **14<sup>th</sup> February 2022** through Microsoft ream app. As per schedule, the workshop began around 12:00pm with welcome address of speaker **Dr. Umesh Gupta, Assistant Professor, Department of Pharmacy, Central University of Rajasthan, India** by **Dr. Mina Yadav, Assistant Professor, School of Basic and Applied Science, K R Mangalam University, Gurugram.** Almost 45 participants were present in the workshop including faculties, Ph D students, UG/PG students.

The purpose of the workshop was to aware the students about the basics of research and to provide the participants a platform for discussion on the statistical requirements of research. One and half hours interactive session was intended to train participants with basic & study of the research to produce quality work. The key focal point of the webinar was to identify the tools and techniques for different research objectives.

Dr. Umesh Gupta started his talk from basics of research, how to motivate yourself toward the research and how they can proceed the research process. He emphasizes on the formulation of research problems, collection of data by doing the literature survey and execution of the project. He also added in his lecture the about the reference styling through different ways like MLA and APA reference styling, journal impact factor, h-index and i-10 index. Dr. Gupta informed students about the calculation of impact factor and h-index.

The complete session was very much informative where the discussed areas were for benefits of the audience. In the last, **Dr. Neeraj Kumari and Dr. Meena Bhandari** gave vote of thanks to **Dr. Gupta** as well as all participants.

  
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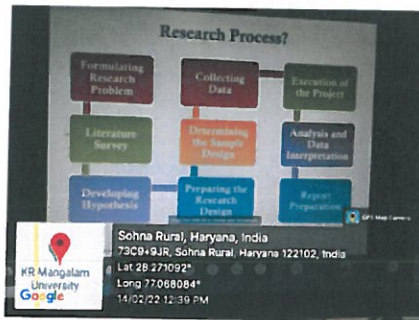
**Activity Outcome:** It was an enriching experience for students. The lecture touched upon several aspects of research methodology, plagiarism, fake and cloned journals, h index of researcher, which paper to be cited so on and so forth.

**Conclusion:** It beautifully explained qualitative, quantitative, exploratory and confirmatory research as well as the factors which should be taken into consideration before choosing best research methodology for study.

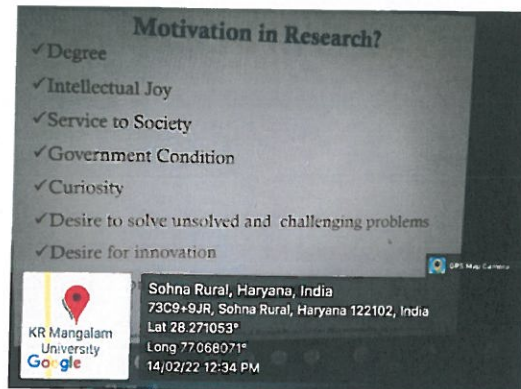
**Future Scope:** Such sessions will be organised in future to enable researchers with various tools and methods for collecting, validating and presenting piece of research.



Dr. Gupta started his presentation by giving brief introduction about the research



He further explained various steps involved in research



Dr. Umesh discussed about some point to get motivation in research

*Umesh*

IQAC  
K.R. Mangalam University,  
Sohna Road, Gurugram-122103

*Jmd*

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# What is Research?

Movement from known to unknown

Research = Re + search  
"Re" is the prefix meaning 'again or over again or a new' and "search" is the latter meaning 'to examine closely and carefully' or 'to test and try'.

Together they form a careful, systematic, patient study and investigation in some field of knowledge undertaken to establish principles.

The systematic investigation into and study of materials and sources in order to establish facts and reach new conclusions.

"Research is the systematic approach to obtaining and confirming new and reliable knowledge."

- Systematic and orderly (following a series of steps)
- Purpose is new knowledge, which must be reliable

RESEARCH is a careful investigation or inquiry specifically through search for new facts in any branch of knowledge. It is an attempt to contribute to the existing stock of knowledge and to its advancement.



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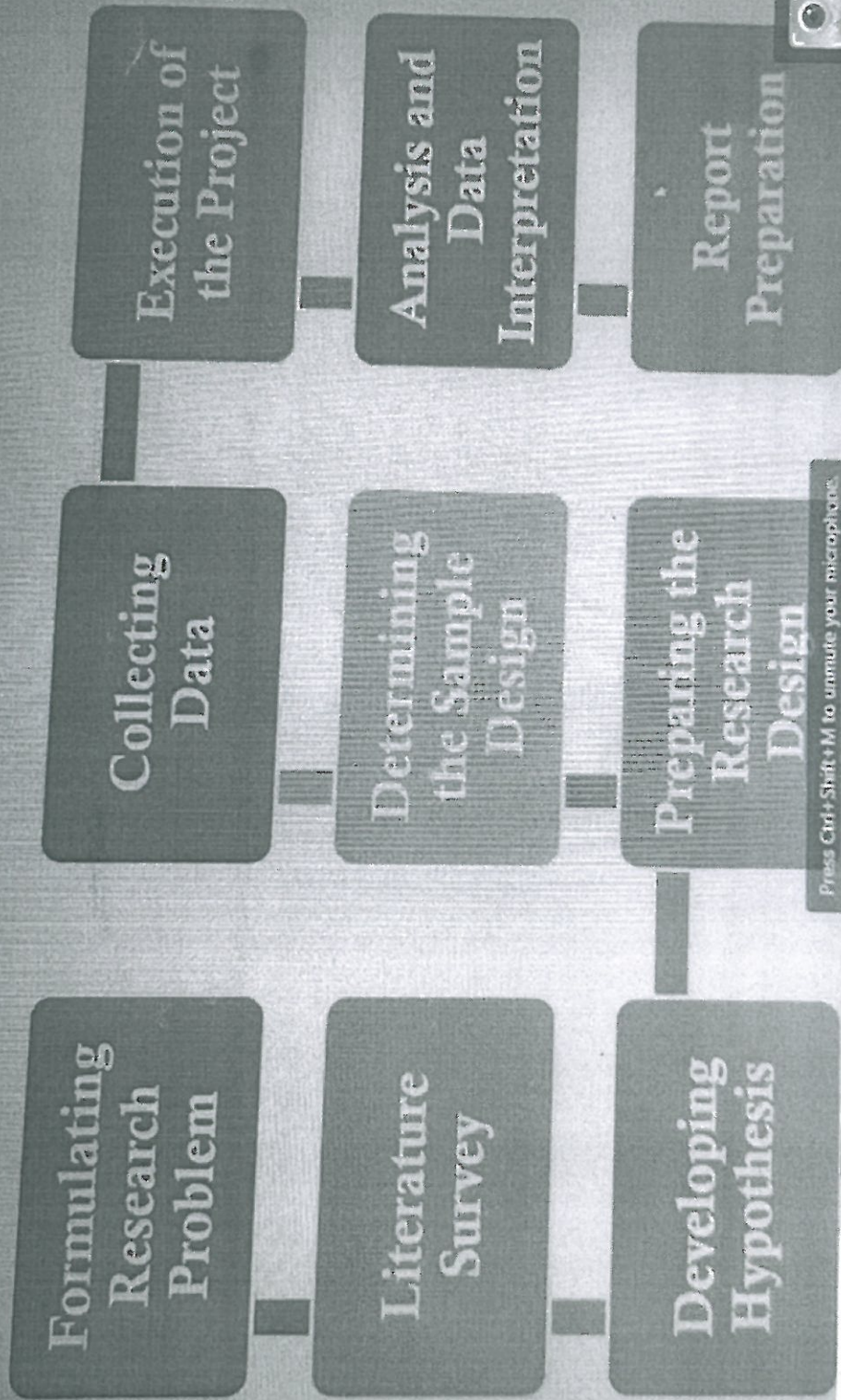


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# Research Process?



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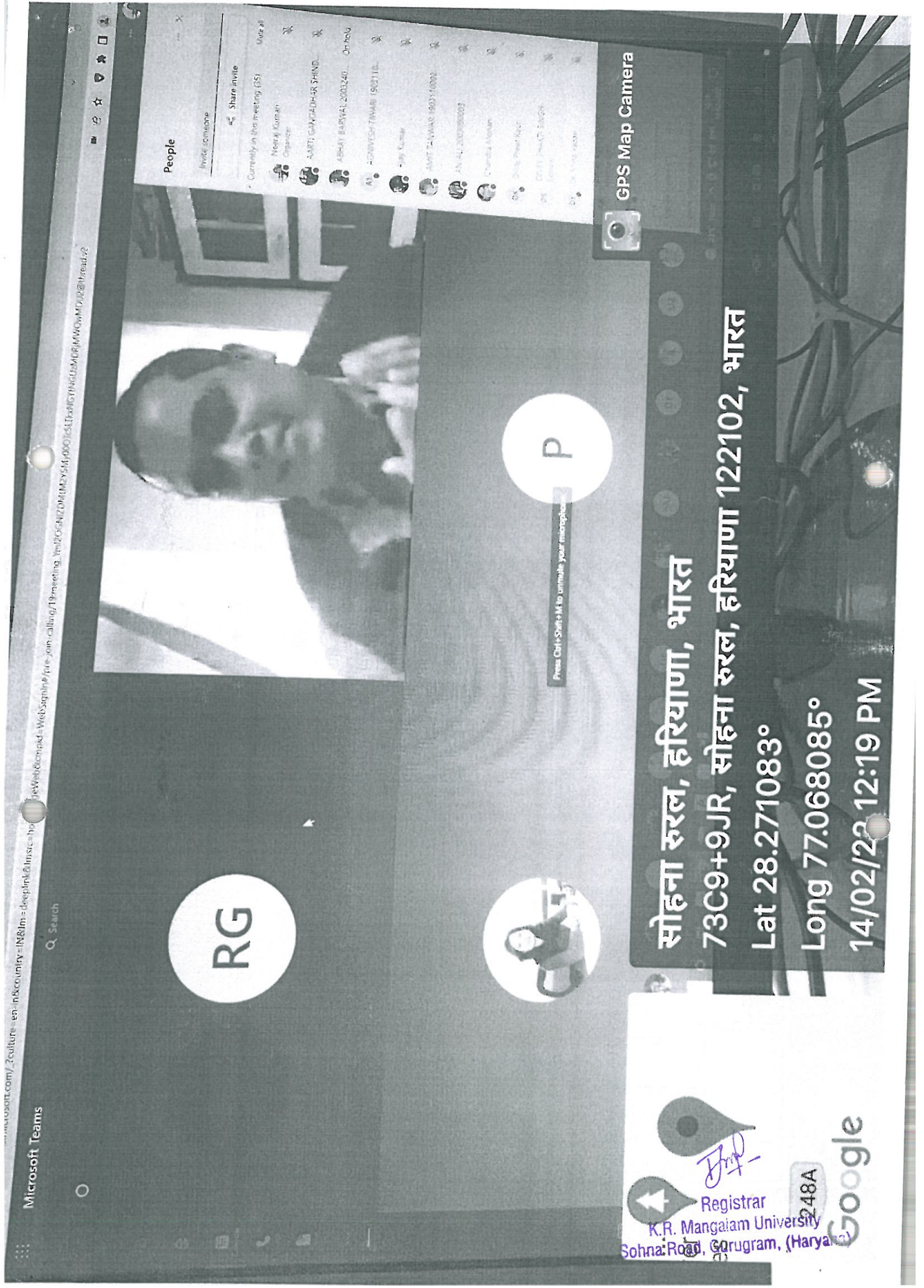
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People

- Invite someone
- Share invite
- Currently in this meeting (5)
- Neeraj Kumar Organizer
- AMIT CHAWLAHAR SHIND
- ABHAY BHARVA 200240 On hold
- ADARSH TINDAR 190310
- Pray Kumar
- AMIT KUMAR 190310002
- ANIL 200300003
- Chanda Mohan
- Shubh Prasad Nair
- DEVI SHARDA SINGH
- Dr. Anil Kumar

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**Name of the Event:** Lipan Art work shop

**Date:** 21/10/2021

**Organizer:** DIA club

**Coordinator:** Ar.Pankaj Dhayal

**Faculty Members:** Ar.Akanksha Singh

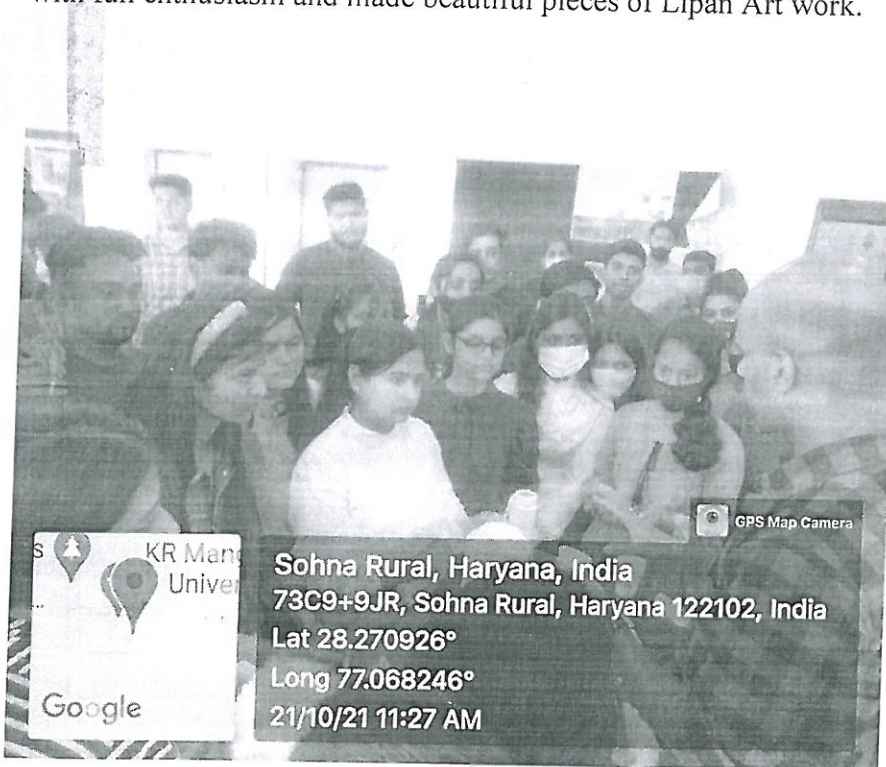
Ar.Nishant Arora

**Student Members:** Chetas

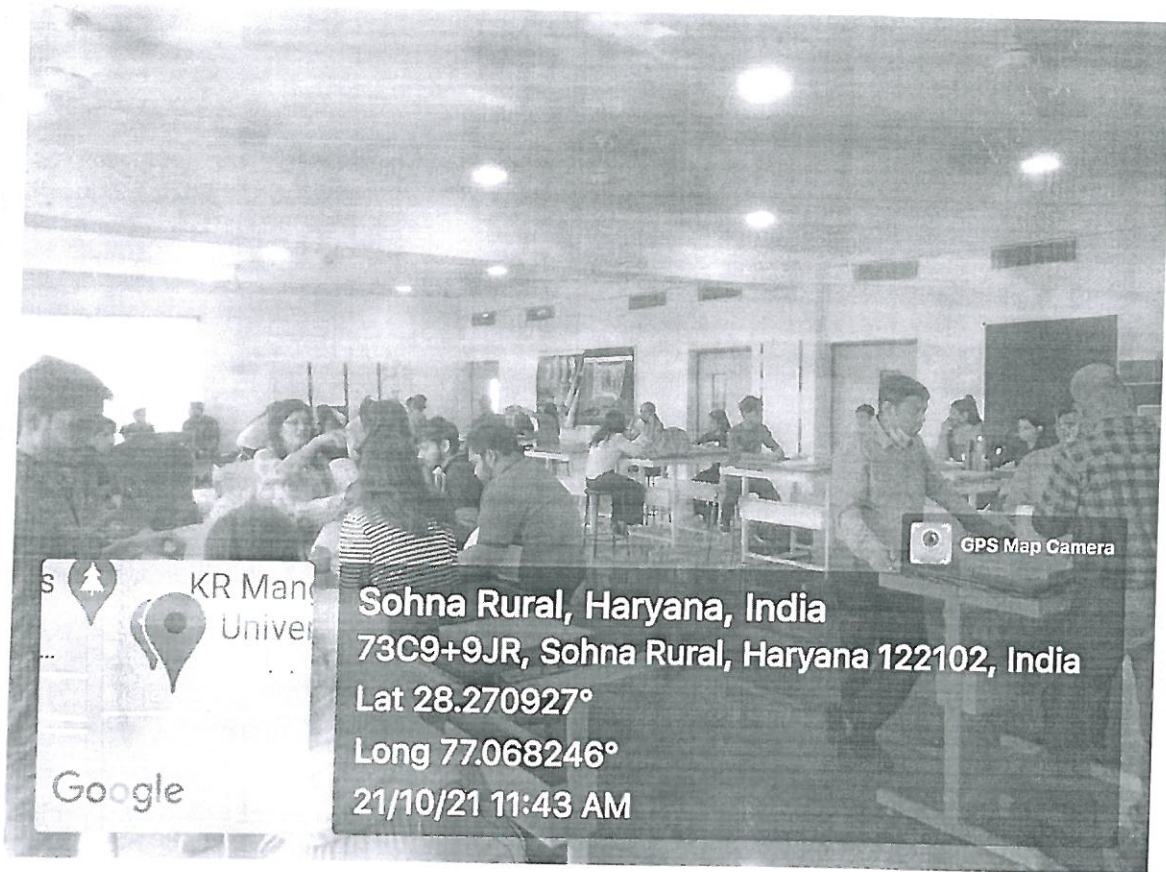
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Lipan art is a clay art form from the state of Gujarat, India. It is mostly done by the village ladies from Kutch to decorate their homes. Traditionally Lipan is made by adding mud and cow dung and done on the walls.

A Lipan Art work shop was organized by DIA club on 21/10/2021. Artist Sujith S Sudhakaran was invited to guide & teach the students about this interesting art form. 51 students participated with full enthusiasm and made beautiful pieces of Lipan Art work.



  
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Report prepared by	Ar. Pankaj Dhayal, Associate Professor SOAD
Report Verified by Dean	Prof. Hemani Singh, Dean SOAD
Report Verified by IQAC Office	Name: Signature: Date:

  
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