

2020-21



# K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

## SCHOOL OF ENGINEERING & TECHNOLOGY

Ref. No: KRMU/SOET/Notice/2020-21/008

Date: 10.07.2020

### NOTICE

The School of Engineering & Technology (SOET) is organising a session on Engineering with industry Interface, from 13-7-20 to 17-7-20, 1:30 pm onwards. All SOET faculty members along with the students of all departments attend the session.

Event Coordinators

Mr. Ashwin Kumar

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)

  
Dean SOET





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

School of Engineering and Technology  
Organises

## Interactive sessions with Industry Experts

13-17 July, 2020

Ms. Itishri Singh



Co-Founder  
Campus Puppy  
Private Limited

*Monday*  
*July 13, 2020*  
*1:30 - 3:00 PM*

Mr. Danesh Warad



AGM  
Avtec,  
Madhya Pradesh

*Tuesday*  
*July 14, 2020*  
*1:30 - 3:00 PM*

Mr. Mukesh Tiwari



CEO, Diversitech  
General Engineering  
Pvt. Indoor

*Wednesday*  
*July 15, 2020*  
*1:30 - 3:00 PM*

Ms. Bhavisha  
Buddhadeo



Founder  
Rootskills and  
Rootsap

*Thursday*  
*July 16, 2020*  
*1:30 - 3:00 PM*

Dr. Gutam  
Choubey



Assistant Professor  
IITRAM, Ahmedabad  
(An Autonomous  
Government University)

*Friday*  
*July 17, 2020*  
*1:30 - 3:00 PM*

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)



## P13th to 17th July 2020

### Gurugram

School of Engineering and Technology conducted series of webinars on the topic "Engineering with Industry Interface" from 13th to 17th July 2020. The distinguished speakers were Ms. Itishri Singh, Co-Founder, Campus Puppy Private Limited; Mr. Danesh Warad, AGM, Avtec, Madhya Pradesh, Mr. Mukesh Tiwari, CEO, Diversitech General Engineering Pvt. Indoor, Dr. Himanshu Sharma, HOD-EEE, SRMIST, Ghaziabad Campus, Dr. Gautam Choubey, Assistant Professor, IITRAM, Ahmedabad.

Ms. Itishri Singh explained that how to train yourself for placements in this pandemic time and about use of LinkedIn profiles to get jobs. Mr. Danesh Warad was the eminent speaker from automobile industry and explained the basics of automobile technology and future scope of Electric Vehicles. The design specifications of various models and their efficiency, fuel economy was explained by him.

Mr. Mukesh Tiwari interacted with the students and answered their queries regarding entry as fresher to and then technical, economic growth in the manufacturing industry.

Dr. Himanshu Sharma explained the students about the entrepreneurial scope and job opportunities in the solar sector. He told the students about the different skill enhancement courses which can help them grow in solar sector. He discussed about career direction, options and shared his valuable experience of software and hardware with students. He has explained the broad categories of organizational roles, service roles and planning of the career.

Dr. Gautam Choubey explained the research area of supersonic



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scramjet engines, which is an improvement over the ramjet engine as it efficiently operates at hypersonic speeds and allows supersonic combustion. Ramjet, Scramjet and Dual Mode Ramjet (DMRJ) are the three concepts of air-breathing engines which are being developed by various space agencies.

Dr. Neeraj Gupta, Ms. Minakshi Katoch, Mr. Arvind Kumar and Mr. Rishabh Arora coordinated the event. Around 18 faculty members of SOET along with the students attended the webinars.



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# K.R. MANGALAM UNIVERSITY

## SCHOOL OF BASIC AND APPLIED SCIENCES

SBAS/Notice/2020-21/009

18<sup>th</sup> August 2020

### NOTICE

#### A Guest Lecture ON "Solving IVPS Over Algebraic Settings and It's Maple Implementation"

The School of Basic and Applied Science is going to organize a Guest Lecture on "Solving IVPS Over Algebraic Settings and It's Maple Implementation" on 28th August 2020. It is mandatory for all the students to attend the lecture. The details of lecture are enclosed as follows:

Time: 1:00 PM Onwards

Venue: MS Team



Dr. Rahul Boadh

Event In-charge



Registrar

K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)



Dr. Meena Bhandari

Dean, SBAS



# Solving IVPs Over Algebraic Settings and It's Maple Implementation

**Dr. Srinivasarao Thota**

Department of Applied Mathematics  
School of Applied Natural Sciences  
Adama Science and Technology University  
Post Box No. 1888, Adama, Ethiopia  
Email: [srinivasaraothota@astu.edu.et](mailto:srinivasaraothota@astu.edu.et)



**Guest Lecture**  
School of Basic and Applied Sciences  
K.R. Mangalam University  
Sohna Road, Gurugram, Haryana 122103, India

28 August, 2020

A handwritten signature in blue ink, appearing to read "S.R. Thota", is written over the printed name and affiliation.

**Registrar**  
K.R. Mangalam University (Haryana)  
Sohna Road, Gurugram



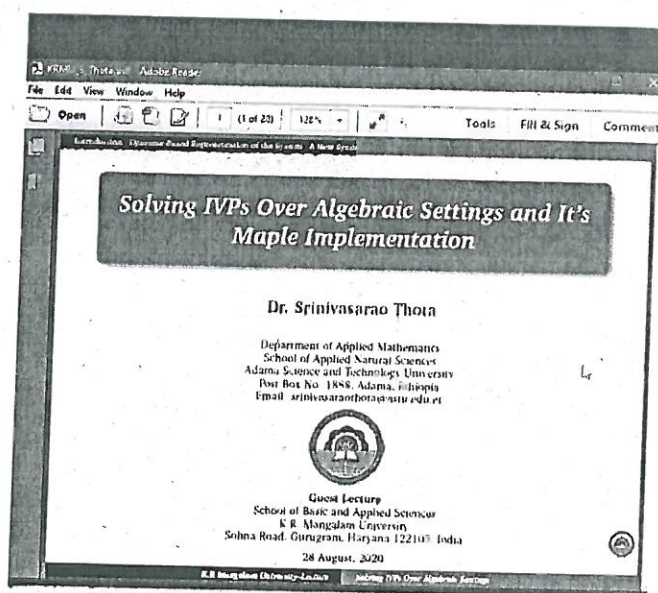
**A REPORT ON GUEST LECTURE ON "SOLVING IVPs OVER ALGEBRAIC SETTLEMENTS AND ITS MAPLE IMPLEMENTATION" ORGANIZED BY THE DEPARTMENT OF SCHOOL OF BASIC AND APPLIED SCIENCE**

A guest lecture on "Solving IVPs Over Algebraic Settlements and its Maple Implementation" was organized by School of Basic and Applied Science department on 28<sup>th</sup> August, 2020 in the activity periods at online platform. This guest lecture arranged by Dr. Rahul Boadh in the field of mathematic and presented by Dr. Srinivasarao Thota (Assistant Professor, Department of Applied Mathematics, School of Applied Natural Sciences) Adama Science and Technology University, Adama, Ethiopia. In this webinar, more than 30 candidate were participated form different department.

The purpose of the webinar was to motivate the students by applying the mathematical application in real life and in the field of science and technology. Dr. Thoto has been explained Maple with simple and understandable manner by taking very simple examples. Dr. Thoto also provide his link of the software to students and our faculty members.

As most of the UG and PG students don't know the application of the mathematics, after this lecture students gets et least some software knowledge and application of linear algebra and differential equation in science and technology field.

The few screenshot of the webinar is following:



  
**Registrar**  
**K.R. Mangalam University**  
**Sohna Road, Gurugram (Haryana)**







Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. [Privacy Policy](#)

KRMU S Thota.pdf - Adobe Reader

File Edit View Window Help

Open | 4 (4 of 28) | 128% | Tools | Fill & Sign | Comment

## Introduction

### Initial Conditions

- For obtaining the unique solution, the given system (1) must have a set of initial conditions.
- The number of initial conditions is related to the dimension of the kernel of matrix differential operator (say  $L$ ) of a given system.
- If the system (1) is of first kind ( $\det(A_t(x)) \neq 0$ ), then the matrix differential operator  $L$  is regular and hence  $\dim(\text{Ker}(L)) = st$ .
- Therefore, one must required  $st$  initial conditions to compute the unique solution. Suppose

$$B_1 u(x) = c_1, B_2 u(x) = c_2, \dots, B_t u(x) = c_t, \quad (2)$$

are  $st$  initial conditions, where

$B_i \in (F^{s \times s})^*$  are initial condition operators,

$c_i = (c_{i1}, \dots, c_{is})^T \in \mathbb{R}^s$ , for  $i = 1, \dots, t$ .

People

Invite someone

Currently in this meeting (17)

Mute all

Neeraj Kumari  
Organizer

AGNIVESH TIWARI 1903\*10...

A1 AMANDEEP 1803110001

D1 DINESH KUMAR 1803110002

DY Dr. Mina Yadav

DT Dr. Srinivas Rao Thota (Guest)

KL Krishan Lal (Guest)

Meena Bhandari

M1 MEENAKSHI YADAV 1903... On hold

M1 MONIKA YADAV 1803600003

N: Rahul Roshn

NG Nidhi Gaur

14:16  
28-08-2020

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K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)











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Yogendra Kr. Rajoria		Joined	"9/28/2020, 2:15:39 PM"

Neeraj  
28/9/20

solving IVPS

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*Neeraj*  
*28/9/20*

  
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K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)





# K. R. MANGALAM UNIVERSITY

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Ref No. KRMU/SJMC/Odd/2020/19

Date: 12/10/2020

## CIRCULAR

**SUBJECT: Webinar on Artificial Intelligence**

It is hereby informed to all the students of SJMC that **Webinar on Artificial Intelligence** is scheduled for October 16, 2020, 02:00pm onwards. It is mandatory for all the students of SJMC to attend.

  
Event Coordinator  
SJMC, KRMU

  
Registrar  
K.R. Mangalam University  
Sohna Road. Gurugram (Haryana)



**SCHOOL OF JOURNALISM AND  
MASS COMMUNICATION**

**ORGANIZES  
WEBINAR  
ON**

**AI**  
**ARTIFICIAL  
INTELLIGENCE**



Mr. R.K. Singh  
Former Engineer-in-Chief, Doordarshan



**16<sup>th</sup> October, 2020**

**@ 2:00 PM**

**Registrar**  
K.R. Mangalam University  
Sector Road, Gurugram (Haryana)

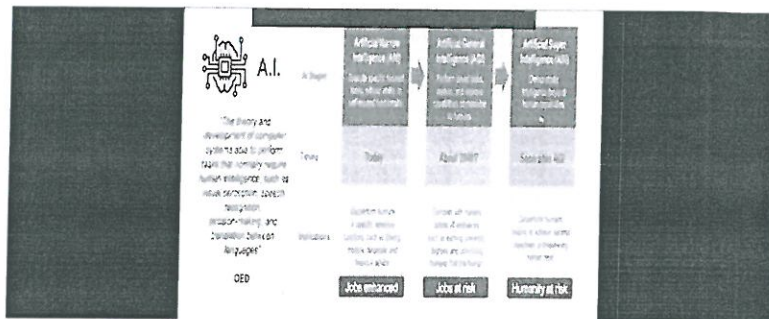
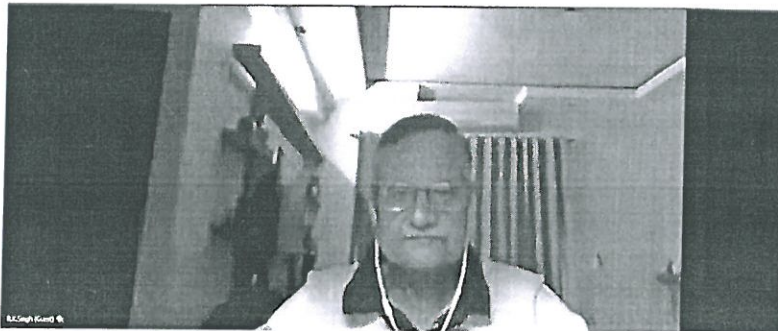




## Report on Webinar on Artificial Intelligence

October 16, 2020: The School of Journalism and Mass Communication hosted a noteworthy webinar on Artificial Intelligence, featuring Mr. R.K. Singh as the esteemed speaker. Renowned for his role as the former Engineer-in-Chief of the National Television Channel, Doordarshan, and his current position as Consultant (Technical and Programme) at DUCR University of Delhi, Mr. Singh brought a wealth of experience to the virtual stage. The event was introduced by Dr. Kiran Bala, the Dean of SJMC, who set the stage for an insightful exploration of the fascinating realm of Artificial Intelligence.

During the webinar, Mr. R.K. Singh delved into several key facets of Artificial Intelligence, shedding light on its profound significance in contemporary society. He touched upon diverse topics, ranging from the role of AI in the digital world to its implications for robotics and the future landscape of machine learning. He explored the intricate interplay between AI and robotics, illustrating how these advancements are redefining the capabilities of automated systems. Furthermore, Mr. Singh elucidated the ongoing developments in machine learning, elucidating its role as a driving force behind AI's evolution.



*[Signature]*  
**Registrar**  
K.R. Mangalam University  
Gurgaon, Gurugram (Haryana)

*[Signature]*  
**Mansi**

## Webinar on AI

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PRATEEK KUMAR 1909200031	Joined before	10/16/2020, 3:17:40 PM

*Mausi*  
  
 Registrar  
 K.P. Mangalam University  
 Gurugram (Haryana)





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SOED/Notice/2020-21/02

15/10/2020

School of Education  
K.R. Mangalam University, Gurugram, Haryana

*Organizes*  
**Expert Talk**

On  
"Emerging Trends in Teaching and Learning"  
23rd Oct 2020

**NOTICE**

School of Education, KRMU is organizing a **Expert Talk** for all the School of Education students on "Emerging Trends in Teaching and Learning" on 23rd Oct 2020.

**Date :** 23rd 2020

**Venue:** 215A, A Block, (Second Floor)

**Faculty Coordinator**

Ms. Kanchan Khatreja

  
**Registrar**  
K.R. Mangalam University  
Sohna Road. Gurugram (Haryana)



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## SCHOOL OF EDUCATION

# EXPERT TALK ON EMERGING TRENDS IN TEACHING AND LEARNING



Resources Person:

### PROF. INDIRA DHULL

*Former Dean, Faculty of Education, M.D. University, Rohtak and Dean Academic Affairs & Students Welfare, State University of Performing and Visual Arts, Rohtak, Chairperson/ Member Coordinator National Assessment and Accreditation Council (NAAC) Peer Team, Member Selection Committee for award of Commonwealth Fellowships and UGC Observer to oversee the selection process under CAS in various Universities.*

**Friday, 23 October 2020  
at 2 P.M.**

**On: MS Teams App**

[www.krmangalam.edu.in](http://www.krmangalam.edu.in)



  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)



**K R Mangalam University**

**Expert Talk**

**Report Topic: "Emerging Trends in Teaching and Learning"**

**Resource Person: Prof. Indira Dhull, Faculty of Education, M.D. University, Rohtak.**

**Date & Time: 23.10.2020 at 2.00 PM to 4.00 PM**

**Venue: MS Teams**

Prof. Indira Dhull worked as Former Dean, Faculty of Education, M.D. University, Rohtak. His research interest includes Educational Psychology, Value Education and Teacher Education. She is serving as an editorial member and reviewer of several international reputed journals. Dr. Indira Dhull is the member of many international affiliations. She has successfully completed his Administrative responsibilities. She has authored of many research articles/books related to Educational Psychology, Value Education and Teacher Education.

The webinar on "Emerging Trends in Teaching and Learning" was held on 23rd October, 2020 on the MS Team Platform. It is an initiative by the School of Education to provide the students with an opportunity to know the various emerging trends in virtual classrooms and flipped learning.

Prof. Indira Dhull explained the various useful applications for teachers and students to incorporate it in the teaching learning process. The session was attended by 54 students and 4 faculty members who participated, interacted and discussed their awareness, doubts and queries. The whole session was interactive and a great learning for all.

The session ended with hearty thanks by Dr. P.C. Jena in appreciation for taking the time out to educate the students. He thanked the Management for providing the platform to organize the guest lecture. He appreciated faculty members, students and other participants for the successful conduction of the event.

  
**Registrar**  
**K.R. Mangalam University**  
**Sehna Road, Gurugram (Haryana)**





# K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Ref No. KRMU/SJMC/Even/2021/014

Date: 01/05/2021

## CIRCULAR

**SUBJECT: Webinar on E-Gaming: Prospects & Challenges**

It is hereby informed to all the students of SJMC that **Webinar on E-Gaming: Prospects & Challenges** is scheduled for May 04, 2021, 10:00am onwards. It is mandatory for all the students of SJMC to attend.

  
Event Coordinator  
SJMC, KRMU

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)





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

## **SCHOOL OF JOURNALISM AND MASS COMMUNICATION**

Organizes

# **WEBINAR ON E-GAMING PROSPECTS & CHALLENGES**



For Participate  
Scan QR Code

**Resource Person - Mr. Abhishek Mudgal**

**MAY 04, 2021 • 10:00 AM**

University Gurugram Campus: ☎ 011-48884888 / 8800697010-15 📞 8800697012  
🌐 [www.krmangalam.edu.in](http://www.krmangalam.edu.in) ✉ [welcome@krmangalam.edu.in](mailto:welcome@krmangalam.edu.in)

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)



## PHOTO Ex 2.0 on

# WORLD EARTH DAY

The School of Journalism and Mass Communication, K.R. Mangalam University organized Photo Ex 2.0, a photography competition on the occasion of World Earth day. The theme of the event was 'Earth without Light', the theme was meant to teach everyone that without sunlight, there would be nothing left on Earth, and we owe our daylight to the fact that every square meter of the sun shines brighter than a million light bulbs. Also, the existence of light has the biggest impact on the earth, and it keeps the earth with life.

The Students from different schools and photography clubs participated in the competition organized virtually, for which students were asked to capture photographs using DSLR or mobile phones inside the

darkroom without using any artificial lighting. The Judges of the competition were Dr. Diwakar Padalia, Associate Professor, School of Basic and Applied Sciences, Ms. Shikha Sharma, and Mr. Tarun Joshi, Assistant Professor, School of Journalism and Mass Communication.

The event received more than 50 participants. The pictures clicked by every student depicted one of the predicaments from difficult times that we are living in. It was an exemplary event that showcased 'creativity has no boundaries.' The event was concluded with a vote of thanks by Ms. Mehak Pandit, Assistant Professor, School of Journalism and Mass Communication. It was a successful event that substantiated that nothing can stop anyone from being their best creative.

## Webinar on E- Gaming: Prospects & Challenges



School of Journalism and Mass Communication, K. R. Mangalam University organized a webinar on E-Gaming: Prospects and Challenges on 4th May 2021 with a field expert Mr. Abhishek Mudgal.

The session aimed at educating students about the horizons of E-Gaming. Mr. Abhishek, a skilled YouTuber and runs his

page streaming live for E-games, explained the bright and dark side of the industry. Since it is growing fast, unlocking viable employment opportunities in the field of digital sports.

Many people were unfamiliar with the gaming industry and considered it as casual sports or a hobby. Gaming enthusiasts got to debunk all the doubts and myths for once and all with the help of sessions. "It would be wrong to say that gaming is just a hobby and can't become a profession because this industry has an extensive perimeter and will grow aplenty in upcoming years." This is what Mr. Abhishek Mudgal, a 25-year-old gaming expert, said. The session was interactive and informative. It also uplifted the spirits and moods of students in these challenging times.

*[Signature]*  
Registrar  
K.R. Mangalam University  
Gohna Road, Gurugram (Haryana)



Webinar on E-Gaming Prospects & Challenges		
Full Name	User Action	Timestamp
Manasvi Maheshwari	Joined	05/04/2021, 10:00:40 AM
Manasvi Maheshwari	Left	05/04/2021, 10:10:10 AM
Manasvi Maheshwari	Joined	05/04/2021, 10:17:40 AM
Ritika Saxena	Joined before	05/04/2021, 10:00:40 AM
DAMIA TYAGI 2009200015	Joined before	05/04/2021, 10:00:40 AM
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VISHAL GANDASS 1809200014	Joined before	05/04/2021, 10:00:40 AM
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ARJUN KUMAR SHARMA 1909200038	Joined	05/04/2021, 10:01:43 AM
ABHAY BARWAL 2003240001	Joined	05/04/2021, 10:01:44 AM
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SHRUTI SHARMA 1909200027	Joined	05/04/2021, 10:01:39 AM
MEHAK SRIVASTAVA (Guest)	Joined	05/04/2021, 10:01:42 AM
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RAHUL RAWAT 1909200036	Joined	05/04/2021, 10:03:30 AM
MONA VASHISTHA 1903680007	Joined	05/04/2021, 10:03:34 AM
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KOMAL 1809200004	Joined	05/04/2021, 10:09:59 AM
TARUN JOSHI	Joined	05/04/2021, 10:07:41 AM
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2009200012 SAKSHI CHAUBEY	Joined	05/04/2021, 10:07:57 AM
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KARUNA DAGAR 1903680001	Joined before	05/04/2021, 11:17:40 AM
PRATEEK KUMAR 1909200031	Joined before	05/04/2021, 11:17:40 AM

*Tamra Joshi*  
  
 Registrar  
 K.R. Mangalam University  
 Sohna Road, Gurugram (Haryana)

**K.R. MANGALAM UNIVERSITY**  
**SCHOOL OF BASIC AND APPLIED**  
**SCIENCES**

SBAS/Notice/2020-21/0011

19<sup>th</sup> April 2021

**NOTICE**

**A Training Session on "Zotero"**


The School of Basic and Applied Science is going to organize a training session on "Zotero" on 30<sup>th</sup> April 2021. It is mandatory for all the students to attend the session. The details of the training session are enclosed in the flyer.

Time: 3:00 PM Onwards

Dr. Seema Raj

Event In-charge

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)

  
Dr. Meena Bhandari  
Dean, SBAS





**K.R. MANGALAM UNIVERSITY**  
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## SCHOOL OF BASIC AND APPLIED SCIENCES

Organizes  
A Training Session

on

Date: 30 - 04 - 2021

Time: 3:00 - 4:00 PM



**otero**

*Dr. Preet Kaur*  
Registrar  
K.R. Mangalam University

Venue: MS Team

Resource Person: Dr. Seema Raj and Dr. Dilraj Preet Kaur

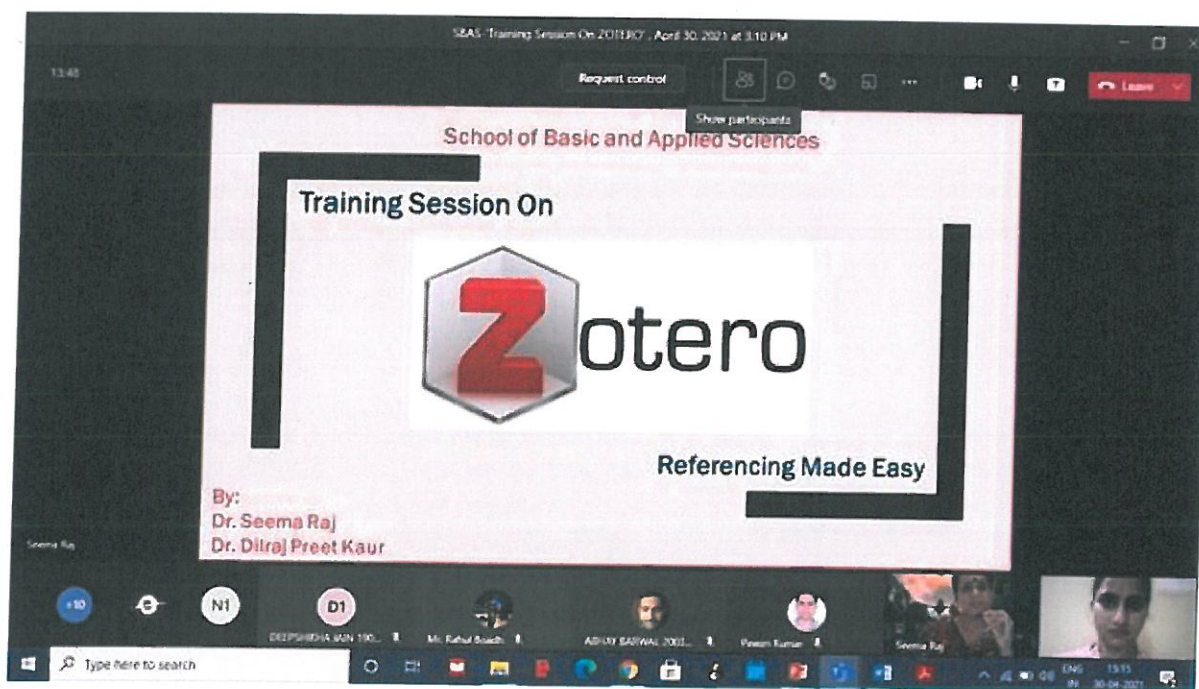




**K.R. MANGALAM UNIVERSITY**  
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### Report on Training Session on 'Zotero-Referencing Made Easy'

School of Basic and Applied Sciences organized online 'Training Session on Zotero' conducted by Dr. Seema Raj and Dr. Dilraj Preet Kaur on April 30, 2021 at 3.10 PM through MS Teams. The session was attended by students and faculty of SBAS. The session opened with a welcome note followed by a detailed presentation on the procedure of Zotero by Dr. Seema Raj. She explained that 'Zotero' is a referencing software used to manage the references and create libraries for writing research papers and books. Dr. Dilraj Preet Kaur explained the utility of software for UG and PG students that how they can get help while writing their project dissertations. After that Dr. Seema Raj gave a hands-on demonstration of software to students. The students attended the session enthusiastically and cleared their queries at the end of the session. They found the training session to be very helpful and knowledgeable.



  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



## 1. Summary

Attended participant 23  
Start time 4/30/21, 3:00:46 PM  
End time 4/30/21, 3:58:48 PM  
Meeting duration 56m 19s  
Average attendance 45m 4s

## 2. Participants

Name	First join	Last leave
Seema Raj	4/30/21, 3:00:46 PM	4/30/21, 3:56:27 PM
ANSHUL 1903680005	4/30/21, 3:02:46 PM	4/30/21, 3:47:36 PM
NIKITA YADAV 19036	4/30/21, 3:03:12 PM	4/30/21, 3:47:36 PM
SHAILJA GOEL 19036	4/30/21, 3:03:47 PM	4/30/21, 3:51:26 PM
DEEPSHIKHA JAIN 19	4/30/21, 3:04:40 PM	4/30/21, 3:47:30 PM
Neeraj Kumari	4/30/21, 3:05:51 PM	4/30/21, 3:55:33 PM
PRIYA KHARETA 1903	4/30/21, 3:06:09 PM	4/30/21, 3:52:33 PM
Dilraj Preet Kaur	4/30/21, 3:09:03 PM	4/30/21, 3:53:27 PM
Pawan Kumar	4/30/21, 3:10:59 PM	4/30/21, 3:54:39 PM
Penuka Sandhir	4/30/21, 3:11:03 PM	4/30/21, 3:48:56 PM
Pooja Vats	4/30/21, 3:11:24 PM	4/30/21, 3:47:45 PM
JITESH SACHDEVA 18	4/30/21, 3:11:52 PM	4/30/21, 3:47:25 PM
AARTI GANGADHAR 1	4/30/21, 3:12:17 PM	4/30/21, 3:47:30 PM
Sona Gandhi	4/30/21, 3:12:26 PM	4/30/21, 3:44:26 PM
Chandra Mohan	4/30/21, 3:16:43 PM	4/30/21, 3:51:48 PM
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SHIVANI 1803110005	4/30/21, 3:18:30 PM	4/30/21, 3:47:30 PM
HUNNY 1903100005	4/30/21, 3:19:57 PM	4/30/21, 3:28:03 PM
HEMA YADAV	4/30/21, 3:20:46 PM	4/30/21, 3:50:52 PM
CHHAVI KAUSHIK 19	4/30/21, 3:20:59 PM	4/30/21, 3:47:30 PM
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AMIT TANWAR 1903	4/30/21, 3:34:13 PM	4/30/21, 3:34:57 PM
1903680001	4/30/21, 3:37:39 PM	4/30/21, 3:47:45 PM
Ruby Jindal	4/30/21, 3:44:53 PM	4/30/21, 3:47:41 PM

Neeraj  
30/4/21

  
Registrar  
K.R. Mangalam University  
Gurgaon (Haryana)

# K.R. MANGALAM UNIVERSITY

## SCHOOL OF BASIC AND APPLIED SCIENCES

SBAS/Notice/2020-21/0021

10<sup>th</sup> May 2021

### NOTICE

#### A Webinar On “Mathematical Modelling for Cardiovascular System”


The School of Basic and Applied Science is going to organize a Webinar on “Mathematical Modelling for Cardiovascular System” on 14<sup>th</sup> May 2021. The details of the Webinar are enclosed on the flyer. It is mandatory for all the students to attend the Webinar.

Time: 3:00 PM Onwards

  
Dr. Yogendra kr. Rajoria

Event In-charge

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)

  
Dr. Meena Bhandari  
Dean, SBAS





**K.R. MANGALAM UNIVERSITY**  
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## **SCHOOL OF BASIC AND APPLIED SCIENCES**

**Organizes**

**A Webinar**

**on**

**Mathematical Modeling**

**for Cardiovascular**

**System**

**Venue: Online via zoom**

**Date: 14 May, 2021**

**Time: 3:00 - 4:00 PM**

**Resource Person:**

**Dr. Sanjeet Kumar**

**(Professor & Head (Mathematics))**

**Lakshmi Narain College of Technology &**

**Science, (LNCTS) Bhopal (M.P) India**

Registrar  
K.R. Mangalam University  
Sector 14, Gurgaon Road, Gurugram (Haryana)





**K.R. MANGALAM UNIVERSITY**  
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## **A REPORT ON GUEST LECTURE “MATHEMATICAL MODELLING OF CARDIOVASCULAR SYSTEM” ORGANIZED BY SCHOOL OF BASIC AND APPLIED SCIENCE**

A Guest lecture on “**Mathematical Modelling of Cardiovascular System**” was organized by Dr. Yogendra kr. Rajoria and Dr. Rahul Boadh, School of Basic and Applied Science department (SBAS), K. R. Mangalam University, Gurugram-122103, on 14<sup>th</sup> May, 2021 from 3:00 pm onwards in online mode via zoom. The main aim of the lecture to aware the UG, PG and Research Scholars about the application of mathematics for biosystem. The expert of the topic was **Dr. Sanjeet Kumar** (Professor & Head (Mathematics)) Lakshmi Narain College of Technology & Science, (LNCTS) Bhopal (M.P) India.

**Dr. Rahul Boadh** welcomed the expert by briefing his contributions in the field of Applied Mathematics. The speaker began the session with the introduction to Bio- Mathematics. He emphasized the importance of mathematical and numerical modelling of the cardiovascular system as a research topic that has attracted a remarkable interest from the mathematical community because of the intrinsic mathematical difficulty and due to the increasing impact of cardiovascular diseases worldwide particularly in this pandemic times.

During the session, the speaker continued the talk briefing the mathematical formulations complexity of the cardiocirculatory system, the multiscale nature of the involved physiological processes, and the need of devising computational methods that are stable, reliable, and efficient. And later went on to explain several situations in real life where mathematical modelling can be applied.

The speaker also illustrated the Mathematical modelling involving various potential functions and appropriate optimization techniques. At the end of the session, the students and faculty members interacted with the speaker to get insights into various on-going research and available literature in predicting Covid -19 cases. In the end of the talk, our speaker gave thanks to organisers to conduct this Guest lecture. At last **Prof. Meena Bhandari (Dean SBAS)** delivered a vote of thanks to the dignitary on request of organizer **Dr. Rajoria**.

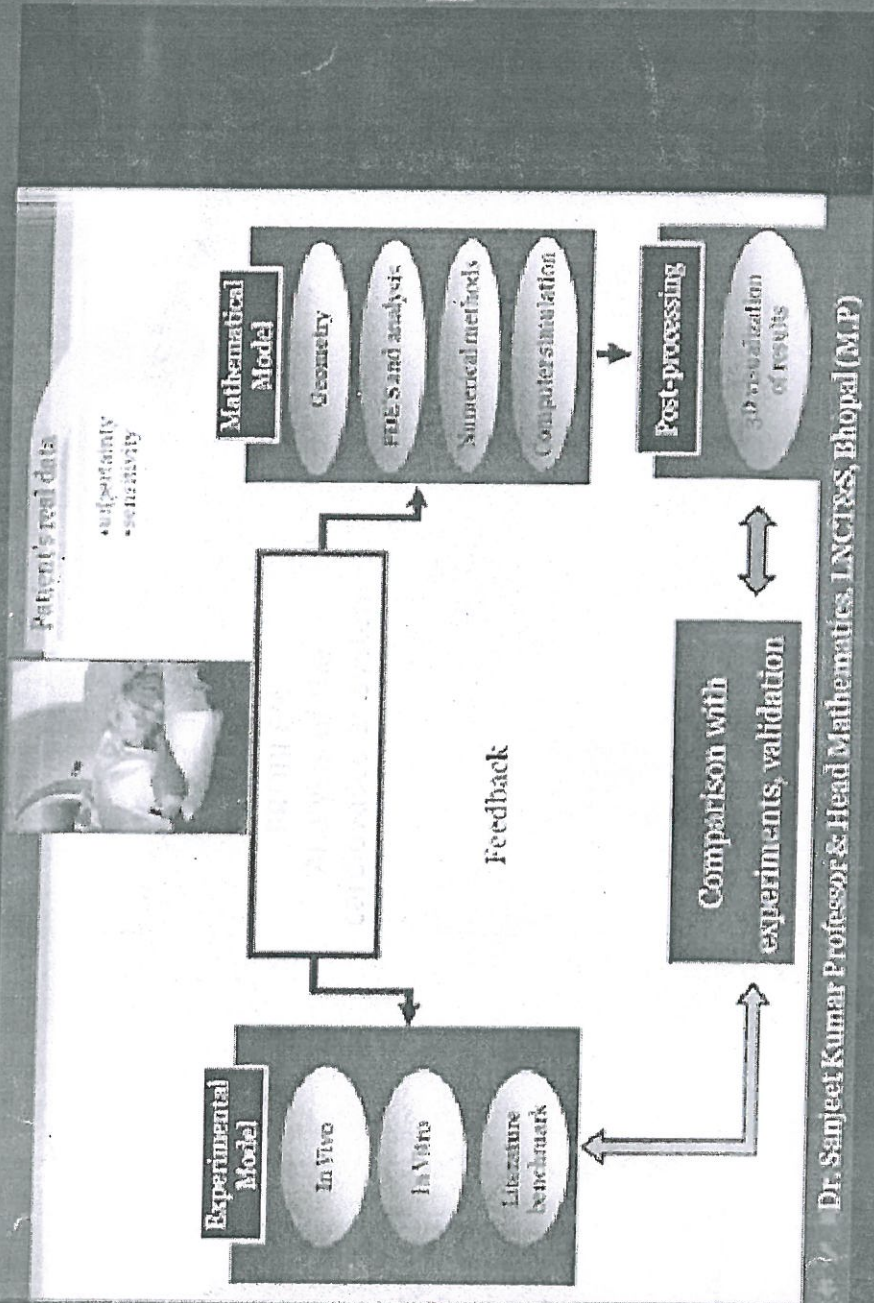
**Registrar**  
**K.P. Mangalam University**  
**Sohna Road, Gurugram (Haryana)**



Turn on Original Sound

View

View Options



Dr. Yogendra ku...

Sona Gandhi

Mecna Bhandari



Dr. Sanjeet Kumar P...

Leave

*Dr. Sanjeet Kumar*  
Registrar  
Mangalagiri University  
Rangaparthapuram (Haryana)

24 Participants

Chat

Share Screen

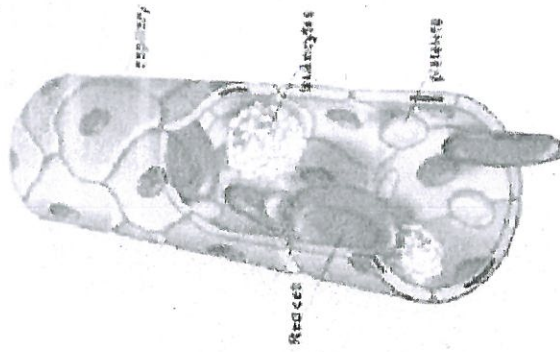
Operations Research

Start Video (Alt+V)

Unmute

Start Video





Blood is a suspension of red cells, leukocytes and platelets on a liquid called plasma

Dr. Sanjeet Kumar Professor & Head Mathematics, LNCTRS, Bhopal (M.P.)



RAHUL BOADH



Dr. Yogendra

Sona Gandhi

Meena Rawat



Dr. Sanjeet Kum...

*Dr. Sanjeet Kumar*



# Attendance Format

Title of the Event: - Mathematical Modeling for Cardiovascular System	
Date: 14/05/2021	Venue: Zoom, Online Mode
School of Basics and Applied Science, K B Mangalam University, Gurugram	

S. No.	Name of the participants	Signature
1	Ms Kanishka	Kanishka
2	Mr Akshay Kumar	Akshay
3	Ms Deepshikha	Deepshikha
4	Ms Nikita Yadav	Nikita
5	Mr Ajay Soni	Ajay
6	Ms Ankita	Ankita
7	Ms Akshima	Akshima
8	Ms Namisha Yadav	Namisha
9	Mr Jatin Yadav	Jatin
10	Ms Pinki	Pinki
11	Tanya Singh	Tanya
12	Ms Pooja	Pooja
13	Ms Ashu	Ashu
14	Ms Priya Kharota	Priya
15	Mr Amandeep	Amandeep
16	Ms Devika	Devika
17	Ms Pooja	Pooja
18	Ms Sapna Yadav	Sapna
19	Ms Sonam	Sonam
20	Chanderkanta	Chanderkanta
21	Nikki	Nikki

*Handwritten signature*  
14/05/2021

*Handwritten signature*  
Registrar  
K B Mangalam University  
Main Road, Gurugram (Haryana)



**K.R. MANGALAM UNIVERSITY**  
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SOED/Notice/2020-21/06

16/05/2021

School of Education  
K.R. Mangalam University, Gurugram, Haryana

*Organizes*  
**Expert talk**  
On  
**Revisiting the Role of Teachers in Career Guidance**  
**21<sup>st</sup> May 2021**

**NOTICE**

School of Education, KRMU is organizing a Webinar for all the School of Education students on  
"Revisiting the Role of Teachers in Career Guidance " on 21<sup>st</sup> May 2021.

Date: 21st May 2021.  
Mode: online

  
School Coordinator  
Dr. P.C Jena

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)





**SCHOOL OF EDUCATION**  
organises

# REVISITING THE ROLE OF TEACHERS IN CAREER GUIDANCE

**Date & Time:**

24th May, 2021 (Monday) at 11:00 AM

**Resource Person:**

**Mr. Ashwani Mohan**

Assistant Professor, Amity Institute  
of Psychology and Allied Sciences



[www.krmangalam.edu.in](http://www.krmangalam.edu.in)

Registrar  
K.R. Mangalam University  
Sector 10, Gurugram (Haryana)



**K. R. Mangalam University**  
**Gurugram**  
**Webinar on**  
**“Revisiting the Role of Teachers in Career Guidance”**  
**(School of Education)**  
**24<sup>th</sup> May 2021**  
**Report**

**Resource Person: Mr. Ashwani Mohan**

(Assistant Professor, Amity Institute of Psychology and Allied Sciences,  
Amity University, Noida Campus)

School of Education, K. R. Mangalam University organized a webinar on “Revisiting the Role of Teachers in Career Guidance” on 24<sup>th</sup> May 2021. The webinar was conducted online via MS Teams. The focus area of the webinar was to make the prospective teachers aware of the importance of career guidance services and to make them aware of the key skills required and how to provide such services to their students. The speaker for the session was Mr. Ashwani Mohan (Assistant Professor, Amity Institute of Psychology and Allied Sciences, Amity University, Noida). The webinar was coordinated by Dr. P. C. Jena and the members of the organizing team were Dr. Anshul Saluja, Ms. Manju Kundu, Ms. Kanchan Khatreja and Ms. Vidhi Gaur. The session commenced at 11:00 A.M. with an inaugural address by Dr. Anshul Saluja who extended her warm welcome to the Resource Person, faculty members and all the other participants. The webinar was attended by the faculty members, research scholars and students of the School of Education. In all, there were 5 faculty members and 45 students who attended the session.

Mr. Ashwani Mohan started his presentation by thanking the organizers and all the participants. He focused upon the central theme of the webinar and explained the various sections of his presentation. He began with explaining some of the basic terms associated with the theme and then discussed the relevance of career guidance and the important role that teachers play (and can play) in providing effective career guidance services to the school students at all levels of education. He elaborated several techniques to provide career guidance services and the ways through which the prospective teachers can effectively conduct the same during their future roles as teachers. The techniques including ‘information dissemination’, career talks’, ‘career exhibition’, ‘career conferences’ etc. were extensively discussed.

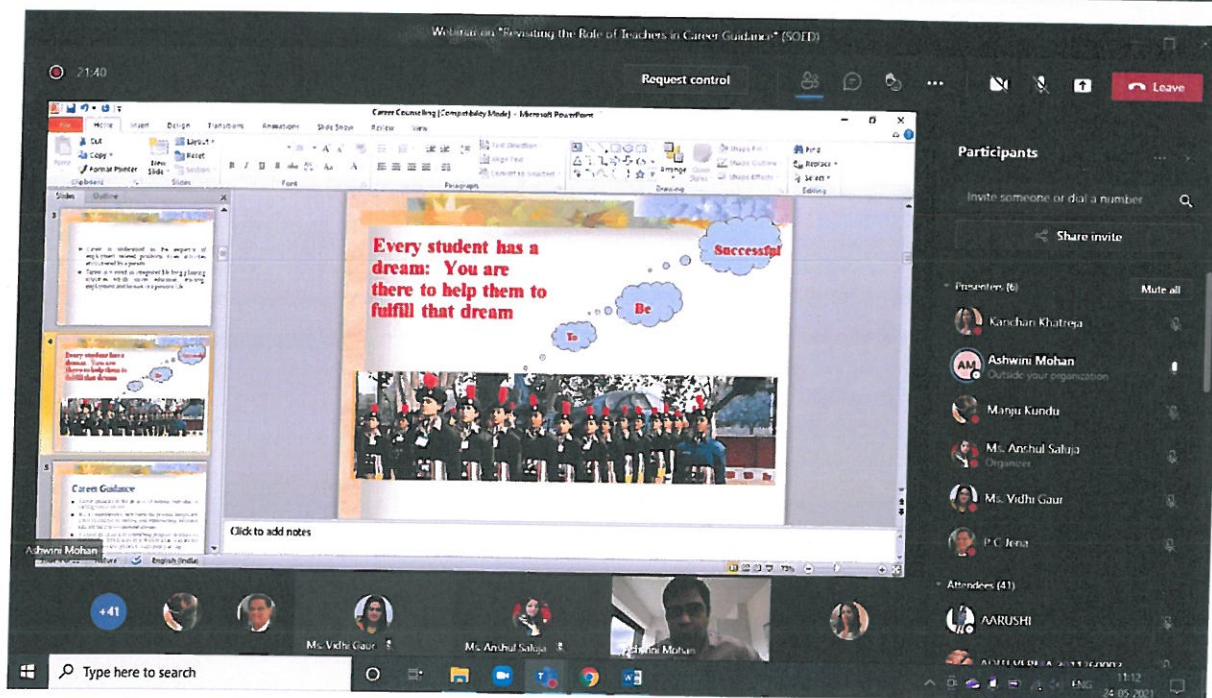
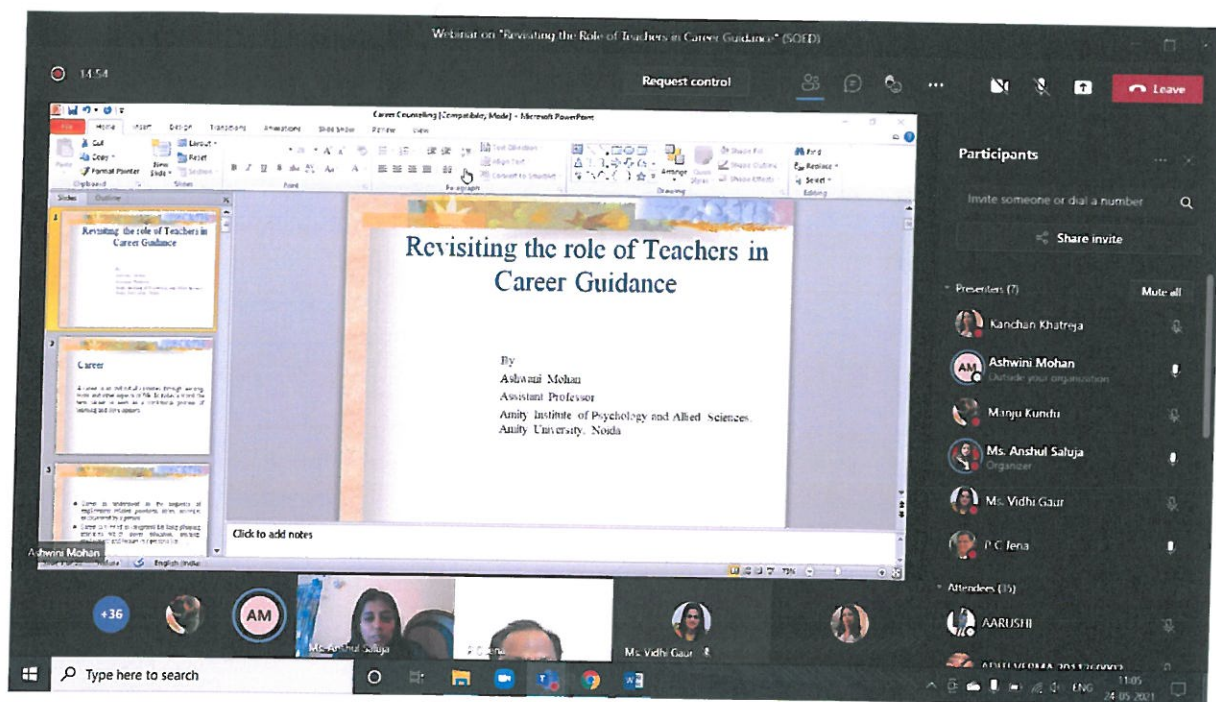
The session was moderated by Ms. Manju Kundu and Ms. Kanchan Khatreja. The queries of the participants were taken and responded well by Mr. Ashwani and were followed by discussion among the speaker and the participants. The overall organization and deliverance of the webinar were helpful for the participants. Ms. Vidhi Gaur presented a formal vote of thanks

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Sector-13, Gurugram (Haryana)



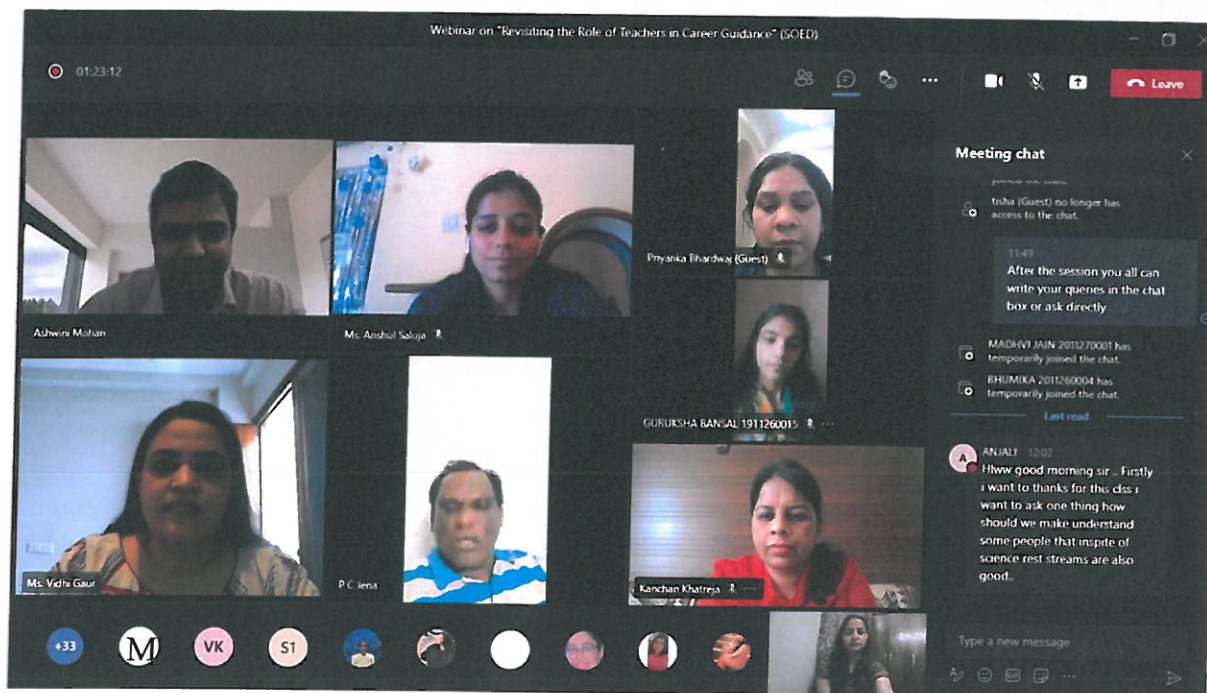
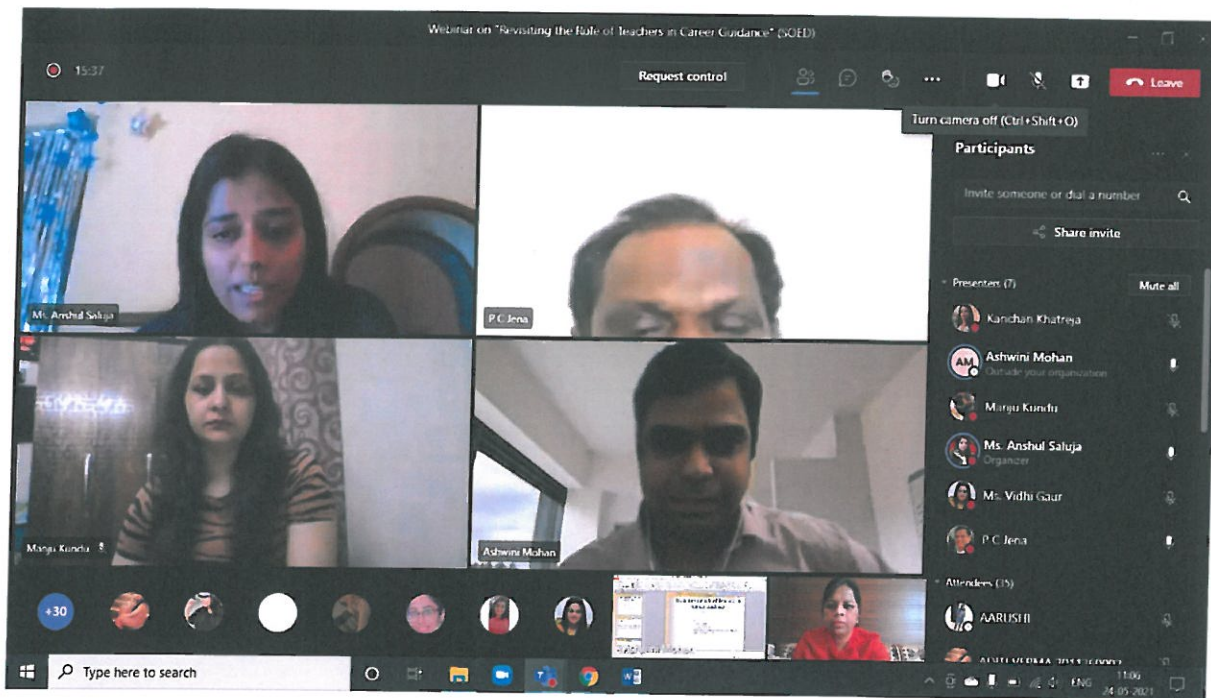
to the Speakers and the participants. Dr. Jena then brought the session to an end with his remarks wherein he appreciated the efforts and availability of the speaker to make the session a success.

## Few Glimpses of the Session



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K. J. Somaiya Institute of Technology  
(Mumbai)

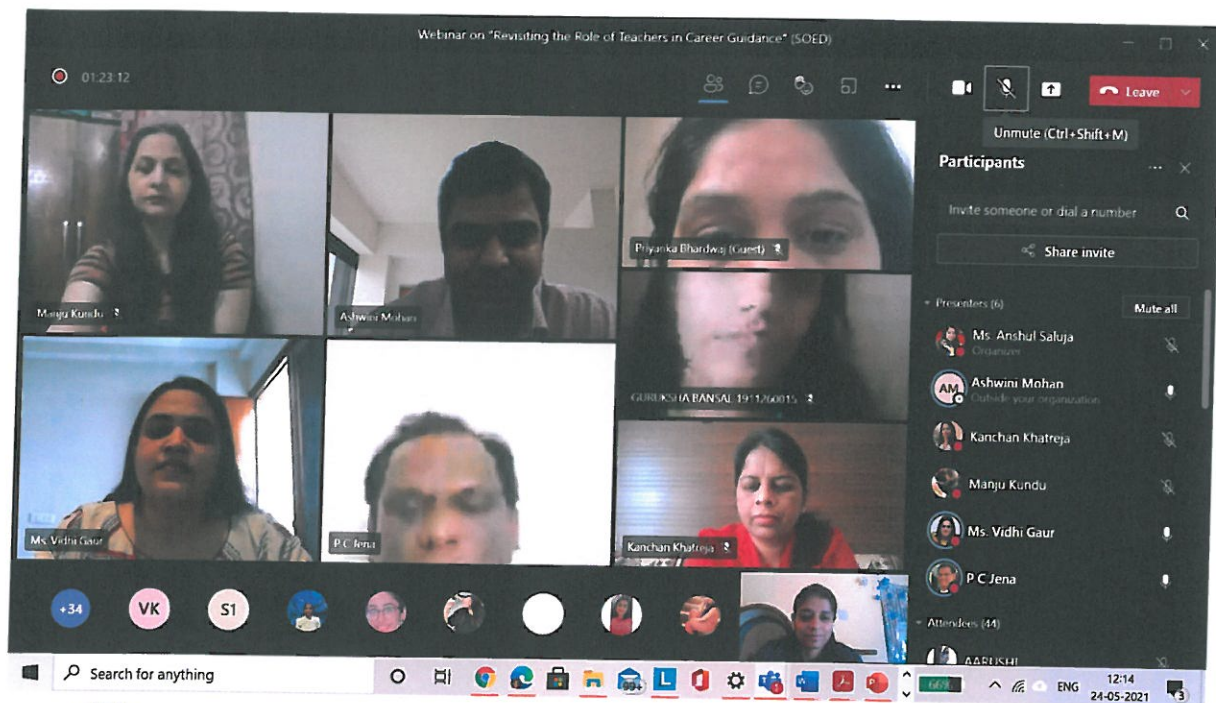




*[Signature]*

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)





A handwritten signature in blue ink, consisting of a stylized, cursive script.

  
**Registrar**  
**K.R. Mangalam University**  
**Sohna Road, Gurugram (Haryana)**

**K.R. MANGALAM UNIVERSITY**  
**SCHOOL OF BASIC AND APPLIED SCIENCES**

SBAS/Notice/2020-21/0019


18<sup>th</sup> June 2021

**NOTICE**

**A Webinar On “NMR Spectroscopy: A Powerful Tool for Structural Characterization”**

The School of Basic and Applied Science is going to organize a Webinar on “NMR Spectroscopy: A Powerful Tool for Structural Characterization” on 24<sup>th</sup> June 2021. The details of the Webinar are enclosed on the flyer. It is mandatory for all the students to attend the Webinar.

Time: 3:00 PM Onwards

  
Dr. Neeraj Kumari  
**Event In-charge**

  
Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)

  
Dr. Meena Bhandari  
**Dean, SBAS**





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Gurugram, Delhi-NCR

**School of Basic and Applied Science**

organises

WEBINAR ON

## **"NMR Spectroscopy: A Powerful Tool for Structural Characterization"**

Mode: MS team

**Dr. Ashish Kumar**

Assistant Professor

Department of Chemistry

Govt. Gundadhur PG College,

Kondagaon (CG)

Higher Education Department

Chhatisgarh, India



Date : 24<sup>th</sup> June 2021

Time: 03:00 pm

University Gurugram Campus: ☎ 011-48884888 / 8800697010-15 📍 8800697012

🌐 [www.krmangalam.edu.in](http://www.krmangalam.edu.in) ✉ [welcome@krmangalam.edu.in](mailto:welcome@krmangalam.edu.in)

Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram (Haryana)

# NMR SPECTROSCOPY:

## A POWERFUL TOOL FOR STRUCTURAL CHARACTERIZATION

A Guest lecture was organized School of Basic and Applied Science, K. R. Mangalam University, on 24th June 2021 on the Microsoft team app. The title of this lecture was NMR Spectroscopy: A Powerful Tool for Structural Characterization. More than 25 participants were present in the event, including faculty and students.

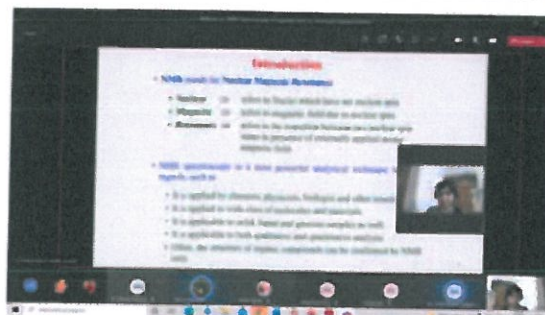
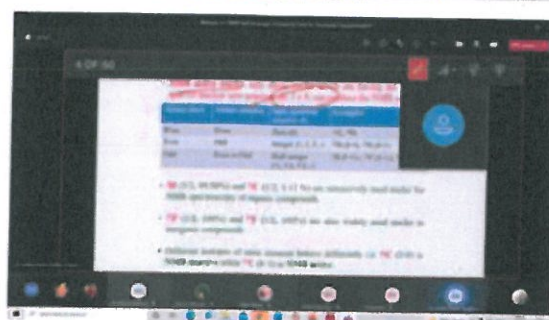
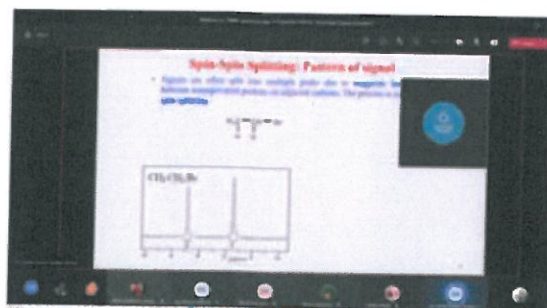
The lecture was delivered by Dr. Ashish Kumar Asatkar, Assistant Professors, Department of Chemistry, Govt. Gundadhar P. G. College, Kondagaon, Chhatisgarh. The purpose of the webinar was to inform the students of the importance of NMR spectroscopy, which is used to identify organic compounds, biomolecules, proteins, lipids, amino acids, and many more compounds. More than one hour of interactive sessions drew the attention of students and faculty towards the world of spectroscopy. Dr. Ashish introduced the basic concept of NMR spectroscopy and described its role on an advanced level.

He emphasized that it is the only spectroscopy for which a complete analysis and interpretation of the entire spectrum is generally expected among all the spectroscopic methods. Although more significant amounts of sample are needed than for mass spectroscopy, NMR is non-destructive. With modern instruments, good data may be obtained from samples weighing less than a milligram. To successfully use NMR as an analytical tool, it is necessary to understand the physical principles on which the methods are based.

Dr. Ashish said that Nuclear magnetic resonance (NMR) spectroscopy is an analytical technique that gives information on the local magnetic field around atomic nuclei. Starting from the 1950s, NMR spectroscopy first revolutionized organic chemistry and became an indispensable tool for the structure elucidation of small, soluble molecules. As the technique evolved, NMR rapidly conquered other disciplines of chemical sciences. When the analysis of macromolecules and solids also became feasible, the technique

became a staple in materials characterization. All aspects of NMR spectroscopy, including technical and technological development and its applications in natural sciences, have been growing exponentially since its birth. He further highlighted different types of spectroscopy like proton, C-13, COSY, HETERO COSY (used at an advanced level), spectroscopy.

In the last of his lecture, he said that five noble prizes had been given for contribution to the development of NMR or high-resolution spectroscopy. At the end of the talk, our speaker thanked the organizers for conducting this Guest lecture. At last, Prof. Meena Bhandari (Dean SBAS) delivered a vote of thanks to the dignitary at the request of organizer Dr. Neeraj Kumari.







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**Report on “Webinar – NMR SPECTROSCOPY: A POWERFUL TOOL FOR STRUCTURAL CHARACTERIZATION” organized by School of Basic and Applied Science department on**

**24<sup>th</sup> June 2021**

A Webinar was organized School of Basic and Applied Science, K. R. Mangalam University on 24<sup>th</sup> June 2021 on Microsoft team app. The title of this lecture was “*NMR Spectroscopy: A Powerful Tool for Structural Characterization*”. More than 25 participants were present in the event including faculties and students.

The lecture was delivered by **Dr. Ashish Kumar Asatkar**, Assistant Professors, Department of Chemistry, Govt. Gundadhur P. G. College, Kondagaon, Chhatishgarh. The purpose of the webinar was to aware the students about importance of NMR spectroscopy, which is used for identification of organic compounds, biomolecules, proteins, lipids, amino acids and many more compounds. More than one hour of interactive session drew the attention of students as well as faculties towards the world of spectroscopy. Dr. Ashish not only introduced basic concept of NMR spectroscopy but also described its role on advanced level.

He emphasized that among all the spectroscopic methods, it is the only spectroscopy for which a complete analysis and interpretation of the entire spectrum is normally expected. Although larger amounts of sample are needed than for mass spectroscopy, nmr is non-destructive, and with modern instruments good data may be obtained from samples weighing less than a milligram. To be successful in using nmr as an analytical tool, it is necessary to understand the physical principles on which the methods are based.

Dr. Ashish said that Nuclear magnetic resonance (NMR) spectroscopy is an analytical technique that gives information on the local magnetic field around atomic nuclei. Starting from the 1950s, NMR spectroscopy first revolutionized organic chemistry and became an indispensable tool for the structure elucidation of small, soluble molecules. As the technique

  
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**K.R. Mangalam University**  
**Sohna Road, Gurugram (Haryana)**

technological development, as well as its applications in natural sciences, have been growing exponentially since its birth. He further highlighted different types of spectroscopies like proton, C-13, COSY, HETEROCOSY (used at advanced level) spectroscopy

In the last of his lecture, he told that five noble prizes have been given for contribution in development of NMR or high-resolution spectroscopy. In the end of the talk, our speaker gave thanks to organisers to conduct this Guest lecture. At last **Prof. Meena Bhandari (Dean SBAS)** delivered a vote of thanks to the dignitary on request of organizer **Dr. Neeraj Kumari**.



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## SCHOOL OF ENGINEERING & TECHNOLOGY

Ref. No: KRMU/SOET/Notice/2021-22/

Date: 09.06.2021

### NOTICE

The Department of Mechanical Engineering, SOET is organising a webinar on "Product Design and Development" on 24-06-21. Webinar will be organized on digital mode from 10 am onwards. All Mechanical Engineering students to attend this webinar.

#### Event Coordinators

Dr. Kaushal Kumar

Ms. Sarah Khan

Mr. Rishab Arora

**Registrar**  
K.R. Mangalam University  
Sector 10, Gurgaon (Haryana)

**Dean SOET**

# SOET

## Product Design and Development

**D**epartment of Mechanical Engineering & Civil Engineering, School of Engineering & Technology has organized a webinar on Product Design & Development on 24th June 2021 on MS team platform. The webinar was attended by over 80 students and faculty members from various schools across the University. The event was coordinated by Dr. Kaushal Kumar (ME), Ms. Sarah Khan (CE) and Mr. Rishabh Arora (CE).

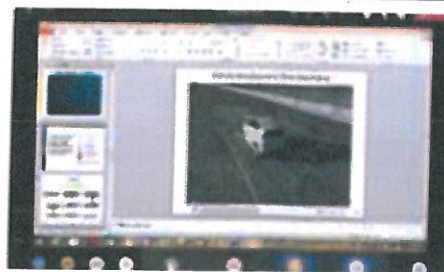
Mr. Prateek Sharma, who is currently associated with R&D Lab of Mercedes-Benz, Stuttgart, Germany as Research Assistant was the invited speaker. This Lab serves as the Head-Quarter and the R&D wing for innovative designing and development of Mercedes cars. Mr. Sharma has previously worked as an Engineer at Legero Lighting, India Pvt. Ltd. He was also granted two patents on Lighting Product Design issued in the name of Invetech Lighting. He is a proficient German speaker with a C1 level certification in the language.

Mr. Sharma has highlighted the importance of product designing in all the fields of Engineering. He has also demonstrated the use of simulation software in designing the parts of vehicles. He has laid emphasis on learning the industry specific tools and software along with course curriculum to align the academic learning with industry demand which will open more prospects for Engineering students in the job market.

He has also explained the applications of aerodynamics in Mechanical and Civil Engineering and importance of simulation in product designing.

Students have attentively listened to the lecture and enjoyed the session thoroughly. Some students have interacted with Mr. Sharma and put their queries regarding the scope in the field of Product Designing. Overall, it was a great session full of knowledge and interesting things for students as well as faculty members.

### Some of the Glimpses of the Event



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