



कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र  
**KURUKSHETRA UNIVERSITY KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(**'A'** Grade, NAAC Accredited)

**5.1.3**

**Supporting Documents of Capacity development and skills enhancement initiatives are taken by the institution**

- 1. Soft skills**
- 2. Language and communication skills**
- 3. Life skills (Yoga, physical fitness, health and hygiene)**
- 4. Awareness of trends in technology**

**5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution**

- 1. Soft skills**
- 2. Language and communication skills**
- 3. Life skills (Yoga, physical fitness, health and hygiene)**
- 4. Awareness of trends in technology**

**Options:**

- A. All 4 of the above**
- B. Any 3 of the above**
- C. Any 2 of the above**
- D. Any 1 of the above**
- E. None of the above**



**Women's Studies Research Centre &  
Centre for Continuing Education under RUSA 2.0  
Kurukshetra University, Kurukshetra**

Invites you to Inaugural Session of

**On-Line Skill Training Workshop on  
Food, Nutrition, Health and Wellness of Women  
Feb. 11, 2021 at 3.00 PM**



**Prof. Manjula Chaudhary**  
Dean Academic Affairs  
and Nodal Officer RUSA 2.0  
K.U. Kurukshetra



**Prof. Vinti Davar**  
Director, Ural Organics Pvt. Ltd.,  
Chief Dietitian, Ayushman  
Hospitals & Health Services, Delhi



**Prof. Bakwinder Sadana**  
Former HOD, College of Home Sc.,  
PAU, Ludhiana



**Dr. Anjali Dewan**  
Retired Ass. Professor,  
St Bede's College, Shimla

The link for joining the workshop is <http://meet.google.com/mdo-nmdx-tow>

**Prof. S.S. Boora**  
Coordinator, Centre for Continuing Education

**Prof. Sudesh**  
Director, WSRC

**Women's Studies Research Centre  
Kurukshetra University, Kurukshetra  
In collaboration with  
Centre for Continuing Education (RUSA 2.0)**

**Online Skill Training Workshop on  
Food, Nutrition, Health and Wellness of Women  
Date 11.2.2021 to 27.2.2021**

**SCHEDULE**

Date	Name of Resource Person	Topics
11.2.2021	Inaugural Session	Welcome & Introduction : Prof. Sudesh, Director, WSRC, KUK Address by Co-ordinator : Prof. S.S. Boora Centre for Continuing Education Address by Nodal Officer RUSA 2.0 : Prof. Manjula Chaudhary and Dean Academic Affairs
	Prof. Vinti Davar	BASIC CONCEPTS IN NUTRITION Basic terms used in study of food, nutrition and functions of food Understanding relationship between nutrition, health, physical fitness and wellness
12.2.2021	Prof. Balwinder Sadana	METHODS OF COOKING AND ENHANCING NUTRITIONAL QUALITY Different methods of cooking, Nutrient losses in cooking
13.2.2021	Prof. Balwinder Sadana	Enhancing nutritional quality of foods through supplementation, fermentation and use of local foods
15.2.2021	Prof. Vinti Davar	NUTRIENTS Functions, dietary sources, deficiency and recommended dietary allowances of the following nutrients: Energy, Carbohydrates, Proteins and Lipids
16.2.2021	Prof. Vinti Davar	Fat soluble Vitamins: A, D, E, K
17.2.2021	Dr. Anjali Dewan	Water soluble Vitamins: Thiamine, Riboflavin, Niacin, Pyridoxine, Folate, Vitamin B <sub>12</sub> and Vitamin C
18.2.2021	Dr. Anjali Dewan	Minerals: Iron, Calcium
19.2.2021	Prof. Vinti Davar	Iodine, Fluorine
	Dr. Anjali Dewan	WELL-BEING IN THE SOCIAL CONTEXT Concept of Well-being: physical, socio-emotional, Psychological and spiritual
20.2.2021	Dr. Anjali Dewan	Well-being at different stages: infancy, childhood, adulthood,
22.2.2021	Dr. Anjali Dewan	Pregnancy, lactation and old age
23.2.2021	Dr. Anjali Dewan	AWARENESS ABOUT THE ALTERNATIVE SYSTEMS FOR HEALTH AND FITNESS: Vegetarianism
24.2.2021	Dr. Anjali Dewan	Yoga, Meditation
25.2.2021	Dr. Anjali Dewan	Food supplements
	Prof. Vinti Davar	DIET AND EXERCISE Effect of specific nutrients on work performance and physical fitness
26.2.2021	Prof. Vinti Davar	Mobilization of fuel stores during exercise
27.2.2021	Prof. Vinti Davar	Nutrition, exercise, physical fitness and health: their inter - relationship

**Women's Studies Research Centre  
Kurukshetra University, Kurukshetra  
In collaboration with  
Centre for Continuing Education (RUSA 2.0)**

**Online Skill Training Workshop on  
Food, Nutrition, Health and Wellness of Women**

Date 11.2.2021 to 27.2.2021

**Report**

The Women's Study Research Centre & Centre for Continuing Education under RUSA 2.0, Kurukshetra University, Kurukshetra organized a 30 hours Online Skill Training Workshop on 'Food, Nutrition, Health and Wellness of Women' from 11 – 27<sup>th</sup> February, 2021. The Resource persons for this Programme were Prof. Vinti Davar, Director, Ural Organics Pvt. Ltd., Chief Dietician, Ayushman Hospital & Health Services, Delhi, Former Chairperson, Deptt of Home Science, Kurukshetra University, Kurukshetra, Prof. Balwinder Sadana, Former Dean and HOD, College of Home Science, PAU, Ludhiana and Dr. Anjali Dewan, Associate Professor and HOD (Retd.), Department of Home Science, St. Bede's College, Shimla under the able guidance of Prof. Manjula Chaudhary, Dean Academic Affairs and Nodal Officer, RUSA 2.0, Prof. S.S Boora, Co-ordinator, Centre for Continuing Education and Prof. Sudesh, Director, Women's Studies and Research Centre, Kurukshetra University. The classes were held online on Google Meet from 3-5 pm. every day. Power point presentations were used to impart knowledge regarding different aspects of nutrition. The last half an hour of the presentations was used for interaction with the students. Their queries were answered and they were motivated to seek clarification regarding any issue related to nutrition, fitness, wellness and holistic health.

The objective of this Training Workshop was to enhance the knowledge of the students about various aspects of their own nutrition and health and well-being of their families, communities and nation at large . The content of the course was divided into six units. The students were made aware about the basic concepts of nutrition, functions of each nutrient vis a vis Carbohydrates, proteins, lipids, vitamins, minerals, water and fiber, deficiency and excess of nutrients, methods of cooking to be used to retain maximum nutrients, wellbeing of human beings in the social context, diet and the advantages of doing regular exercise, awareness about alternative systems for health and fitness.

- The programme included Basic terms used in study of food, nutrition and functions of food



- Understanding relationship between nutrition, health, physical fitness and wellness
- Functions, dietary sources, deficiency and recommended dietary allowances of the following nutrients:
  - Energy, Carbohydrates, Proteins and Lipids
  - Fat soluble Vitamins: A, D, E, K
  - Water soluble Vitamins: Thiamine, Riboflavin, Niacin, Pyridoxine, Folate, Vitamin B<sub>12</sub> and Vitamin C
  - Minerals: Iron, Calcium, Iodine, Fluorine
- Different methods of cooking
- Nutrient losses in cooking
- Enhancing nutritional quality of foods through supplementation, fermentation and use of local foods
- Concept of Well-being: physical, socio-emotional, psychological and spiritual
- Well-being at different stages: infancy, childhood, adulthood, pregnancy, lactation and old age
- Effect of specific nutrients on work performance and physical fitness
- Mobilization of fuel stores during exercise
- Nutrition, exercise, physical fitness and health: their inter – relationship
- Vegetarianism
- Yoga
- Meditation
- Food supplements

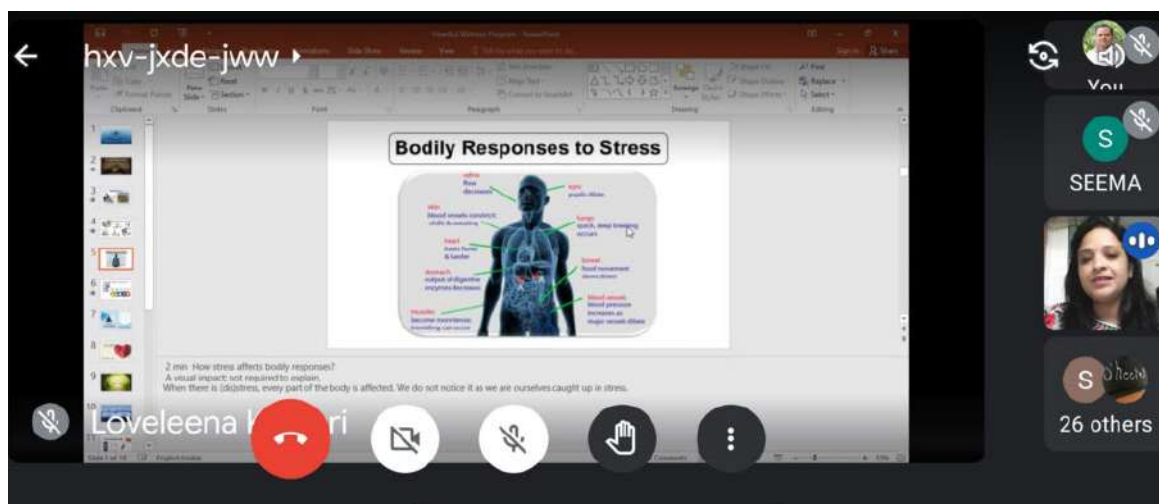
Most of the youngsters these days consume junk foods resulting in obesity and related diseases like diabetes, heart diseases, kidney and liver disorders as well as different types of cancer. On the other hand, deficiency of the nutrients results in malnutrition. It is extremely relevant to improve the quality of diets by adding good quality proteins, vitamins and minerals. This can be made possible by making the youth of the country aware about the importance of balanced diet in our everyday life. Due to rise in various Eating disorders, the participating female students were encouraged not to compromise on the quality and quantity of food in their meals. This skill training workshop helped in establishing good food habits, eating nutritious meals and promoted good health and development in the youth of our country.

## Heartfulness Wellness Program (online) May 21, 2021

The centre organized Heartfulness Wellness Program (online) for students on 21.5.2021 in order to make them understand simple stress relieving technique to improve their immunity and enhance their mental and physical wellbeing. Ms. Loveleena, Haryana State Coordinator and Certified trainer of the Heartfulness Institute conducted the session. Starting the session she said that meditation has become one of the most popular ways to relive stress of our daily lives. In the present situation of corona pandemic, which has restricted the freedom of movement as well as physical closeness, we are unable to relieve our stress and anxiety by sharing it with our friends and relatives. So in this tough times it becomes very important to maintain good physical and mental health. Heartfulness wellness program is designed to relieve stress through simple relaxation techniques which anyone can practice at any time of the day and feel calm and joyful. She first of all expressed the interconnectedness of body and mind that how any ill mental state affects our body and lead to a number of diseases like sugar, hypertension, cardiovascular diseases etc. Meditation involves sitting in a relaxed position and clearing the mind or focusing the mind on one thought, which helps throw off emotional stress and reverses the body's stress response. By learning to calm our body and mind helps to feel better, refreshed and ready to face the challenges of life with a healthy attitude. With regular practice we can experience greater benefits.

She also mentioned that meditation affects the body in exactly the opposite ways that stress does by triggering the body's relaxation response. It restores the body to a calm state helping the body repair itself and preventing new damage from the physical effects of stress.

After explaining the usefulness of meditation the trainer conducted a brief session on meditation exercise that encouraged the participants to practice it daily. The session was followed with a question answer with the participants. About 35 students both male and female attended the session.



← hxv-jxde-jww ▶

### Stress & EU....

**Distress - Beyond limit**      **Eustress - Stress in the right sense**

- Look the two pictures given above. It very obvious that one is struggling to carry the load while the other is walking comfortably with more load.
- Why is it so? The reason may be that one has the capacity and ability to carry the load while the other has not.
- Therefore when stress is in the right sense and we are able to deal with it, it is called E.U-stress. It makes one move forward.
- When we are unable to deal with the stress and it is beyond load we call it distress. It stops progress and unable to move forward.
- In these pictures, the horse is struggling with the length of the rope.

Loveleena K...

20 others

**Heartfulness Wellness Program (online) on May 21, 2021**

5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution

1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/ consultants involved with contact details (if any)
Seminar-1	2016	569	
Practical -I ( Lab course in Programming in C)	2016	569	
Computer Programming in FORTRAN ( Theory & Lab Course)	2016	430	
Practical III(Lab Course On FORTRAN 19 For Numerical Method)	2017	572	
Practical IV (Lab Course in MATLAB)	2017	572	
Computer Programming with Matlab (Theory & Practical)	2020	139	
Seminar-2	2017	572	
Practical IV (Lab Course in R Programming)	2022	139	

Information given above is verified  


Chairman  
 Deptt. of Mathematics  
 K.U. KURUKSHETRA



# Developing Computational Skills





# Developing Computational Skills



5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution  
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Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
<b>Session 2017-18</b>			
5.1.3 (a) Yoga and mediation and Self realization	22.3.2018	200	Panchtatav Spiritual & Charitabal Trust Mrs. Meena Kumari 9728045646
5.1.3 (b) District level Youth Red Cross Training Camp	26.03.2018- 30.03.2018	10	Red Cross Society
<b>Session 2018-19</b>			
5.1.3 (c) Experiential Learning working with hands	26.9.2018 - 2.10.2018	200	Mahatma Gandhi National Council of Rural Education
5.1.3 (d) Seven days faculty Development Prog.	15.1.2019 - 21.1.2019	50	Mahatma Gandhi National Council of Rural Education
<b>Session 2019-20</b>			
5.1.3 (e) Swachta Hi Sewa Abhiyan	17.09.2019	200	MHRD
5.1.3 (f) Three days training Prog. on Design and Development	14.10.2019 - 16.10.2019	200	Dr. Madhuri Hooda Deptt. Of Education, M.D.U.Rohtak

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Session 2020-21

Six Days Start up Programme, "Pause and Reflect- Be the Best Version of Self"	10.4.2021-17.04.2021	220	Heartfulness Education Trust Mr. Sanjay Upreti Sh. Sudhir Chada Dr. Sushma www.heartfulness.org ✓
Online Interactive session on Moco's-Swayam.	22.4.2021	145	Prof. Kamlesh Gakhar (Former Prof. Institute of Management Studies and Research, MDU Rohtak kamleshgakhar09@gmail.com
Extension Lecture on Gender, School and Society	6.07.2021	145	Prof. Reicha Tanwar ✓ Founder and Former Director, Women Studies Research Center, KUK Reicha.tanwar13@gmail.com
'Atamnirbhar Bharat' Exhibition of handmade items	10.08.2021	220	ITTR, KUK ✓

5.1.3 (g)

5.1.3 (h)

5.1.3 (i)

5.1.3 (j)

Meeting Links  
Pics (soft copy).

Press release (30.4.2021) [30.4.2021]

Press Rel 20.4.21 [20.4.21]

Paraphlet (soft copy)  
Pics

Paraphlet (imitation)  
Pics

Press release 7.7.21 [7.7.21]

Pics  
Press Release 11.8.21 [11.8.21]



5.1.3(a)

VoLTE LTE 90%

Institute of Teacher Training &...



Institute of Teacher... ▼

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**Institute of Teacher Training  
& Research Kurukshetra University,**  
Kurukshetra is with Ritasaini Chhina  
and DrMamta Chawla.

22 Mar 2018

आज युनिवर्सिटी कालेज आफ एजुकेशन कुरूक्षेत्र यूनिवर्सिटी के द्वारा बी.एड छात्रों के लिए योग, मैडिटेशन एवं सेल्फ रियलाइजेशन वर्कशाप का आयोजन किया गया। जिसके अंतर्गत पंचतत्व स्पिरिचुअल एंड चैरिटेबल ट्रस्ट की ओर से सुश्री मीना कुमारी के द्वारा योग, प्राणायाम तथा मैडिटेशन की जानकारी दी गई। इस अवसर पर कालेज के सभी प्राध्यापकों तथा छात्रों ने उत्साहपूर्वक भाग लिया।



### Workshop on "Understanding the Self" (22.03.2018):

In order to have holistic understanding of self a workshop was organized by the college in coordination with Ms. Meena Kumari from Panch-Tatva, Spiritual and Charitable Trust on the theme Yoga, Meditation and Self Realization. In this workshop the students were oriented about the importance of Yoga and Meditation for integrated understanding of the human self and personality. Thus, keeping in view the Physical and Mental Health various warm-up exercises, Yoga Asans, Mudrayen & Pranayams were demonstrated and followed by the active participation of students.

### District level Youth Red Cross Training Camp (26.03.2018- 30.03.2018): 5.1.3 (b)

The students of the college participated in the District level Youth Red Cross Training Camp held in the Conference Hall of Multi Art Culture Center, Kurukshetra where they were provided opportunity of community living, knowledge of Red Cross, general health awareness, first aid training, extempore speech competition and life skills.

### Art Fest (28.03.2018)

To nurture students' creativity and aesthetic sensibilities Art Fest was organized on March 28, 2018. The students participated and bagged position in various events as Collage, poster making and Rangoli.

### The results are as follows:

Activities	Position	Name	Roll No
Collage	1 <sup>st</sup>	Neha Mittal	16134
	2 <sup>nd</sup>	Saurabh Yadav	17025
	3 <sup>rd</sup>	Princy	16151
Poster Making	1 <sup>st</sup>	Prerna Saini	17104
	2 <sup>nd</sup>	Kirti	17016
	3 <sup>rd</sup>	Vandana Arya	17107
	Consolation	Anjali Kamboj	16021
	Consolation	Navneet Kaur	16035
Rangoli	1 <sup>st</sup>	Sapna Devi	17116
		Lakhwinder Kaur	17118
	2 <sup>nd</sup>	Pooja	16136
		Sheenu Sharma	16010
	2 <sup>nd</sup>	Suraj Kalyan	16106
		Rajiv Kashyap	16012
	3 <sup>rd</sup>	Preeti Saini	16019
	Priya Verma	16024	
	3 <sup>rd</sup>	Sakshi	17014
		Tamanna Rani	17018
		Aradhana Sharma	16119
Consolation		Kajal Mahal	16129



5.1.3 (C)

← Institute of Teacher Training &...



## Institute of Teacher... ▼

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**Institute of Teacher Training  
& Research Kurukshetra University,**  
Kurukshetra is with **Taruna  
Choudhery.**

...

27 Sep 2018 · 🌐

Mahatma Gandhi National Council of Rural Education (MGNCRE)- MHRD Hyderabad has undertaken to propagate, Experiential Learning, an integral tenent of 'Nai Talim' as part of 150th birthday celebration of Gandhiji, with the active involvement of Teacher Education Institution from September 26- Oct 2, 2018. University College of Education, Kurukshetra University, Kurukshetra has initiated various activities 'Experiential Learning: Working With Hands'. Under the involved initiative of Dr. Taruna C. Dhall, pupil-teachers and faculty members of the college took keen interest in learning various gardening skills demonstrated by Mr. Pankaj, the gardener and his team and followed it up by practicing different skills like mixing up the soil, preparing the pots, sowing seeds, saplings, pruning, weeding and spacing the plants.

5.1.3(d)

## Institute of Teacher... ▼

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**Institute of Teacher Training  
& Research Kurukshetra University,**  
Kurukshetra is with **Reena Yadav** and  
**4 others.**

21 Jan 2019 · 🌐

युनिवर्सिटी कॉलेज ऑफ एजुकेशन, कुरुक्षेत्र विश्वविद्यालय के तत्वावधान में एक सप्ताह (15-21 जनवरी, 2019) के फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया गया। जिसके अंतर्गत हरियाणा के विभिन्न शिक्षण महाविद्यालयों से आए 33 टीचर एजुकेटर्स ने भाग लिया। इस आयोजन को सफल बनाने में महात्मा गांधी नैशनल काउंसिल ऑफ रूरल एजुकेशन से आए डॉ. प्रियव्रत शर्मा की रही, जिन्होंने इस कार्यक्रम के दौरान नयी तालीम पर आधारित विभिन्न प्रकार की गतिविधियों के लिए प्रोत्साहित किया। 21 जनवरी को कुरुक्षेत्र विश्वविद्यालय के कुलपति प्रो कैलाश चन्द्र शर्मा ने कार्यक्रम के समापन समारोह में मुख्य अतिथि के रूप में भाग लिया तथा सभी का उत्साह वर्धन किया तथा कॉलेज प्राचार्या डॉ तरूणा ढल एवं स्टाफ सदस्यों को बधाई दी।

See translation



## केयू शिक्षण महाविद्यालय में सात दिवसीय फ़ैकल्टी डेवलपमेंट कार्यशाला का शुभारंभ

अमर उजाला ब्यूरो

कुरुक्षेत्र। धर्म, अध्यात्म और सांस्कृतिक क्रियाओं का शिक्षा से अटूट संबंध है। बच्चों में चिंतन कौशल को विकसित करने की आवश्यकता है। इस तरह के आयोजन शैक्षणिक माहौल में बदलाव के लिए महाकुंभ के समान हैं। ये उद्गार मंगलवार को विश्वविद्यालय के शिक्षण महाविद्यालय में सात दिवसीय फ़ैकल्टी डेवलपमेंट कार्यशाला के शुभारंभ पर वक्तव्यों ने व्यक्त किए।

महत्त्वा गांधी नेशनल काउंसिल ऑफ़ रूरल इंस्टीट्यूट से आए कार्यक्रम संयोजक प्रियव्रत शर्मा ने कार्यक्रम की रूपरेखा के बारे में बताया। कार्यक्रम के मुख्य अतिथि डॉ. वीके गुप्ता ने नई तालीम के संदर्भ में अपने व्याख्यान अनुभवों को साझा करते हुये सवाल और रचनात्मकता की बात कही। उन्होंने कहा कि एक्सपेरिमेंटल लर्निंग के साथ-साथ स्थायी विकास भी जरूरी है। डॉ. डीके जोशी ने कहा कि धर्म, अध्यात्म और सांस्कृतिक क्रियाओं का शिक्षा से अटूट संबंध है।

बच्चों में चिंतन कौशल को विकसित करने की आवश्यकता है। यह कार्यक्रम ज्ञान रूची कुंभ में शाही स्नान के समान है। शिक्षा विभागा की अध्याक्षा प्रो. संगीता ने कहा कि ऐसे कार्यक्रमों का उद्देश्य गांधी जी के सिद्धांतों को व्यवहारिक रूप से धरातल पर लेकर आना है। इस प्रकार की गतिविधियों को



कार्यशाला में हिस्सा लेते प्रतिभागी।

पाठ्यक्रम का हिस्सा बनाकर क्रियात्मक रूप देना है। कलैज की प्राचार्या डॉ. तरुणा चौधरी दल ने अपने संबोधन में गांधी जी द्वारा दिये गये मानिष्क, हृदय व हाथ के प्रत्यय को अपनी शिक्षा में लाने की आवश्यकता बताई। जिससे कि वह अपना सर्वांगीण विकास कर सके। इस अवसर पर डॉ. रीटा शोवर व कलैज स्टाफ़ मंडल उपस्थित रहे। इस कार्यक्रम में 15 शिक्षण महाविद्यालयों से 30 प्रतिभागियों ने पंजीकरण कराया।

दैनिक जागरण  
पानीपत, 19 जनवरी 2019

# कौशल को विकसित करने का प्रयास

जागरण संगठनद्वारा, कुरुक्षेत्र : मानव संसाधन विकास मंत्रालय के महात्मा गांधी राष्ट्रीय ग्रामीण शिक्षा परिषद की ओर से संकाय विकास कार्यक्रम एफडीपी के अंतर्गत विश्वविद्यालय शिक्षण महाविद्यालय की ओर से चलाए गये सात दिवसीय कार्यक्रम के

वर्षे दिन शिक्षकों ने नई तालीम योजना के तहत मिर्जापुर गांव के राजकीय वरिष्ठ माध्यमिक विद्यालयों का दौरा किया। स्कूल के विद्यार्थियों के सहयोग से दृष्टांत कौशल के माध्यम से विभिन्न गतिविधियों के द्वारा उनके कौशल को विकसित करने का प्रयास किया गया। इसके बाद कार्यक्रम में हिस्सा लेने आये प्रतिभागियों द्वारा मिर्जापुर गांव का दौरा किया। गांव के किसानों से



रा. व. मा. विद्यालय मिर्जापुर में आयोजित कार्यक्रम में उपस्थित कृषि कोशिका।  
कृषि संबंधी जानकारी दी गई।  
रा. प्रो. एस्के चहल को मिलती नेशनल फेलोशिप  
कुरुक्षेत्र : कुरुक्षेत्र विश्वविद्यालय के इतिहास विभाग के वरिष्ठ प्रोफेसर डॉ. एस्क चहल को भारतीय उच्च अध्ययन संस्थान, राष्ट्रपति निवास,

शिमला द्वारा प्रतिष्ठित नेशनल फेलोशिप प्रदान की गई है।  
अंतरराष्ट्रीय स्तर पर प्रतिष्ठा प्राप्त उच्च संस्थान द्वारा फेलोशिप उच्च अध्ययन एवं शोध के क्षेत्र में कुछ एक चुनिंदा विद्वानों को ही प्रदान की जाती है।



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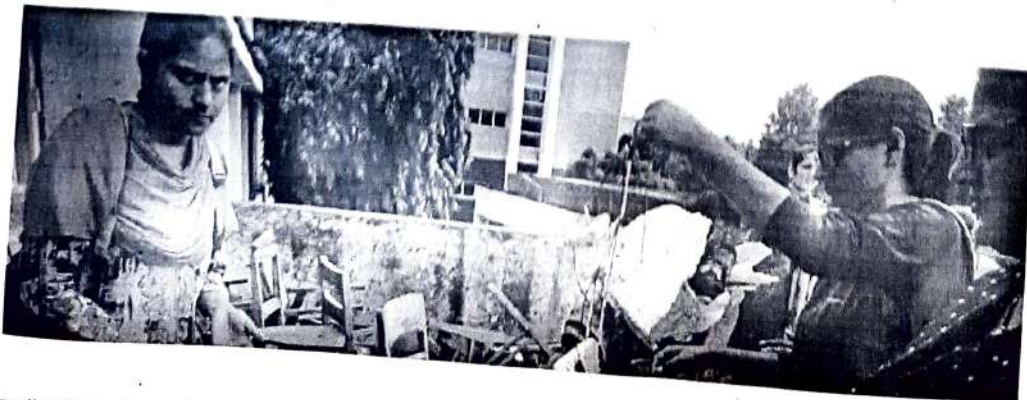


**Institute of Teacher Training  
& Research Kurukshetra University,  
Kurukshetra**

27 Sep 2019 · 🌐

इंस्टीट्यूट ऑफ टीचर ट्रेनिंग एंड रिसर्च कुरुक्षेत्र विश्वविद्यालय में 27 सितंबर, 2019 को मानव संसाधन विकास मंत्रालय, भारत सरकार के निर्देशानुसार "स्वच्छता ही सेवा अभियान" का आयोजन किया गया। जिसके अंतर्गत बी.एड विद्यार्थियों एवं प्राध्यापकों ने श्रमदान गतिविधियों में उत्साहपूर्वक भाग लिया तथा इंस्टीट्यूट प्रांगण के विभिन्न स्थानों की साफ-सफाई करते हुए प्लास्टिक एवं थर्मोकोल का कचरा जमा किया तथा भविष्य में प्रतिबंधित प्लास्टिक प्रयोग न करने की शपथ ली। इस अवसर पर इंस्टीट्यूट प्राचार्या डॉ तरुणा ढल ने विद्यार्थियों को प्रोत्साहित एवं जागरूक किया तथा पर्यावरण मंत्रालय द्वारा प्लास्टिक प्रयोग को लेकर जारी की गई निर्देशिका से अवगत कराया व इंस्टीट्यूट में बैनर के रूप में प्रदर्शित एवं स्थापित की गई।

See translation



5.1.3 (f)

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**Institute of Teacher Training  
& Research Kurukshetra University,  
Kurukshetra**

17 Oct 2019 · 🌐

A Three-days Training Programme on Design & Development of MOOCs has been organised on Oct.14-16, 2019 by Institute of Teacher Training & Research, Kurukshetra University Kurukshetra by the funding Under Major Research Project on "Capacity Building Programme for Teacher Educators & Pupil-Teachers through Constructivist Pedagogy based MOOC approach: Design and Development of E-learning Courses" by Dr. Madhuri Hooda (Project Investigator) Deptt. of Education, M.D.U Rohtak, by R.P.Division, ICSSR, Delhi.

In this 3-Days Training Program, Resource Persons were Dr. Jagpreet Kaur (Punjabi University, Patiala), Dr. Deepak Bisla (Bhimrao Ambedkar University, Delhi) & Dr. Madhuri Hooda (MDU-Rohtak). They shared their valuable ideas & information about Design & Development of MOOCs, SWAYAM and their implications in Teacher Education. Teaching Faculty & students have participated actively & learnt the new modes



5.1.3 (g)

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## Institute of Teacher Training & Research Kurukshetra University, Kurukshetra


9 Apr · 🌐

A 6-Days Start 'U'p program "Pause & Reflect: Be the best version of Self" by 'Heartfulness Education Trust' is going to be organized by Institute of Teacher Training & Research, Kurukshetra University Kurukshetra w.e.f. April (10-17), 2021 for B.Ed-1st Year students & Teaching Faculty of ITTR-KUK. Technical sessions will be chaired by the experts from different fields. Heartful Campus Program of HET is working towards the social transformation by offering self-development meditation tools for individual change and to evoke peace, Harmony & well-being amongst all campus dwellers.




**Institute of Teachers Training and Research,  
Kurukshetra University**






**Mr. Sanjay  
Upreti**  
Financial Advisor,  
BSF







**Sh. Sudhir  
Chadha**  
Retd. BSNL



**Dr. Sushama  
Viladkar**  
Heartfulness  
Trainer

**6 Days Start-'U'p Program**  
Pause and Reflect: Be the Best Version of Self  
10<sup>th</sup> -17<sup>th</sup> Apr 2021, 9:30 am to 11:00 am

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## Institute of Teacher Training & Research Kurukshetra University, Kurukshetra

10 Apr · 🌐

Some Glimpses of Day-1 of 6-Days Workshop on "Start 'U'p Pause & Reflect: Be the best version of Self". Inaugural session was hosted by Dr. Amisha Singh, Principal, ITTR-KUK and Dr. Digvijay Singh; Programme Coordinator, ITTR. Eminent speaker for the very first session of the Module i.e. "Connection" was Sh. Sanjay Upreti; Financial Advisor, BSF and concluded with Relaxation & Meditation by Brig. Kuljeet Singh Raghuvanshi; Indian Army.





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## Institute of Teacher Training & Research Kurukshetra University, Kurukshetra

17 Apr · 🌐

In continuation of the previous sessions of 6-DAYS Start 'U'p Program 'PAUSE and REFLECT - Be the Best version of Self' (10.4.21-17.4.21 online through Zoom); Today's session was taken up by Mrs. Savita Gill, UIET-KUK on the Theme "Community". This Workshop was based upon 6-Days Agenda i.e. 'Connection', 'Core', 'Context', 'Choices', 'Causality' & 'Community'. On the occasion of Valedictory Session Dr. Amisha Singh, Principal, ITTR-KUK thanked to all the Eminent Resources Persons associated with Heartful Campus Trust. Dr. Digvijay Singh & Mr. Gaurav Saini presented the Vote of Thanks.

5.1.3 (g)

### छिपी प्रतिभा को निकालने पर डाला प्रकाश

कुरुक्षेत्र। कुरुक्षेत्र विश्वविद्यालय के शिक्षण प्रशिक्षण एवं अनुसंधान संस्थान द्वारा सोमवार को हर्टफुल कैम्पस प्रोग्राम के तहत 6 दिवसीय वचुअल कार्यक्रम के दूसरे दिन का शुभारंभ संस्थान की प्राचार्या डॉ. अमिषा सिंह द्वारा किया गया। कार्यक्रम के दूसरे दिन विषय विशेषज्ञ के रूप में सुधीर ने टॉक ऑन कोर के संदर्भ में कहा कि व्यक्ति के आंतरिक व्यक्तित्व का उसके स्वयं के जीवन पर प्रभाव पड़ता है। व्यक्ति के अंदर निहित गुण, छिपी हुई प्रतिभाओं को कैसे बाहर निकाला जाए, इसको लेकर प्रकाश डाला। उन्होंने कहा कि हमारे दिनभर के नकारात्मक विचारों को पुनर्मिलन तकनीक के माध्यम से हम नियंत्रित कर सकते हैं। दूसरे विशेषज्ञ के रूप में ब्रिगेडियर कुलजीत सिंह रघुवंशी ने रिलैक्सेशन एंड मेडिटेशन के बारे में बताया। कार्यक्रम का संचालन डॉ. दिग्विजय सिंह ने किया। इस मौके पर संस्थान के सभी प्राध्यापक व विद्यार्थी मौजूद रहे। **संवाद**

अमर उजाला my city  
मंगलवार 13.04.2021

### बाह्य और आंतरिक व्यक्तित्व का पड़ता है

#### खुद के जीवन पर प्रभाव

जागरण संवाददाता, कुरुक्षेत्र: कुरुक्षेत्र विश्वविद्यालय के शिक्षण प्रशिक्षण एवं अनुसंधान संस्थान की ओर से सोमवार को हर्टफुल कैम्पस प्रोग्राम के तहत छह दिवसीय वचुअल कार्यक्रम के दूसरे दिन का शुभारंभ संस्थान की प्राचार्या डॉ. अमिषा सिंह ने किया। कार्यक्रम के दूसरे दिन विषय विशेषज्ञ के रूप में सुधीर चड्ढा ने टॉक ऑन कोर के संदर्भ में कहा कि व्यक्ति की बाह्य और आंतरिक व्यक्तित्व का उसके स्वयं के जीवन पर प्रभाव पड़ता है। व्यक्ति के अंदर निहित गुण, छिपी हुई प्रतिभाओं को कैसे बाहर निकाला जाए, इसको लेकर विशेषज्ञों ने अपनी राय दी। उन्होंने कहा कि हमारे दिनभर के नकारात्मक विचारों को पुनर्मिलन तकनीक के माध्यम से हम नियंत्रित कर सकते हैं। दूसरे विशेषज्ञ के रूप में ब्रिगेडियर कुलजीत सिंह रघुवंशी ने रिलैक्सेशन एंड मेडिटेशन के बारे में बताया। कार्यक्रम का संचालन डॉ. दिग्विजय सिंह ने किया।

जागरण सिटी  
कुरुक्षेत्र दैनिक जागरण  
पानीपत, मंगलवार,  
13 अप्रैल 2021



रोहतक, मंगलवार, 20 अप्रैल  
haribhoomi.com

5.1.3 (g)

## 'कुवि के आई.टी.टी.आर. में चल रहे 6 दिवसीय वर्चुअल कार्यक्रम का समापन'



विषय विशेषज्ञ डा. सविता विचार प्रस्तुत करते हैं।

रूप में डा. सविता ने विगत दिनों में विशेषज्ञों द्वारा प्रस्तुत उपविषयों की संक्षिप्त चर्चा की। उन्होंने कम्युनिटी के संदर्भ में कहा कि सामाजिक एकता को बनाए रखते हुए अपने आप को जानना व सामाजिक प्रगति को हासिल करना है, साथ ही उन्होंने कहा कि हमें मेडिटेशन प्रैक्टिस करते हुए हार्ट की बात को सुनना चाहिए। सत्र के अंतिम बीस मिनट में ब्रिगेडियर कुलजीत सिंह रघुवंशी ने मेडिटेशन की उपयोगिता पर प्रकाश डालते हुए कहा कि यह व्यक्तित्व विकास में अहम भूमिका निभाता है। उन्होंने कहा कि मेडिटेशन द्वारा शारीरिक हो नहीं अपितु मानसिक समस्याओं का समाधान संभव है। इस अवसर पर आई.टी.टी.आर. संस्थान की प्राचार्या डा. अमिषा सिंह, डा. गौरव मैनी, डा. दिग्विजय सिंह ने अपनी-अपनी भूमिका अदा की।

कुरुक्षेत्र 10 अप्रैल (धर्मोका) : कुरुक्षेत्र विश्वविद्यालय के शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान व हर्टफुल कैम्पस प्रोग्रामरूपोटेसन डेवलपमेंट एंड लाइफ स्किल्स विषय पर संचालित 6 दिवसीय वर्चुअल कार्यक्रम का शनिवार को समापन हुआ। कार्यक्रम के अंतिम दिन विशेषज्ञ के

कुरुक्षेत्र कैम्पस मंगलवार 20 अप्रैल 2021

### खबर संक्षेप

#### हमें मेडिटेशन प्रैक्टिस करते हुए हार्ट की बात को सुनें

कुरुक्षेत्र। कुरुक्षेत्र विश्वविद्यालय के शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान व हर्टफुल कैम्पस प्रोग्रामरूपोटेसन डेवलपमेंट एंड लाइफ स्किल्स विषय पर संचालित छह दिवसीय वर्चुअल कार्यक्रम का शनिवार को समापन हुआ। कार्यक्रम के अंतिम दिन विशेषज्ञ के रूप में डा. सविता ने विगत दिनों में विशेषज्ञों द्वारा प्रस्तुत उपविषयों की संक्षिप्त चर्चा की। उन्होंने कम्युनिटी के संदर्भ में कहा कि सामाजिक एकता को बनाए रखते हुए अपने आप को जानना व सामाजिक प्रगति को हासिल करना है, साथ ही हमें मेडिटेशन प्रैक्टिस करते हुए हार्ट की बात को सुनना चाहिए। आईटीटीआर संस्थान की प्राचार्या डा. अमिषा सिंह ने कार्यक्रम में विशेषज्ञ के रूप में आए अतिथियों व संयुक्त रूप से आयोजकों को धन्यवाद प्रस्ताव दिया। कार्यक्रम में डा. दिग्विजय सिंह ने संयोजक की भूमिका निभाई।

Press Release Cancelled

हरिभूमि  
कुरुक्षेत्र -  
यमजानगढ़

मंगलवार  
20 अप्रैल 2021

## व्यक्तित्व विकास में मेडिटेशन की अहम भूमिका : कुलजीत

जागरण संवाददाता कुरुक्षेत्र कुरुक्षेत्र विश्वविद्यालय के (आईटीटीआर) शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान व हर्टफुल कैम्पस प्रोग्रामरूपोटेसन डेवलपमेंट एंड लाइफ स्किल्स विषय पर छह दिवसीय वर्चुअल कार्यक्रम का मंगलवार को समापन हो गया। कार्यक्रम के अंतिम दिन विशेषज्ञ के रूप में डा. सविता ने विशेषज्ञों द्वारा प्रस्तुत उपविषयों की संक्षिप्त चर्चा की। उन्होंने कम्युनिटी के संदर्भ में अपनी बात रखी और कहा कि सामाजिक एकता को बनाए रखते हुए अपने आप को जानना व सामाजिक प्रगति को हासिल करना है। उन्होंने कहा कि हमें मेडिटेशन प्रैक्टिस करते हुए दिल की बात को सुनना चाहिए।



आईटीटीआर संस्थान की प्राचार्या डा. अमिषा सिंह। • लोकमत, टी.आर.डी

सत्र के अंतिम बीस मिनट में ब्रिगेडियर कुलजीत सिंह रघुवंशी ने मेडिटेशन की उपयोगिता के बारे में विस्तार से बताया। उन्होंने कहा कि यह व्यक्तित्व विकास में अहम भूमिका निभाता है। मेडिटेशन से शारीरिक हो नहीं बल्कि मानसिक समस्याओं का भी समाधान संभव है।

आईटीटीआर संस्थान की प्राचार्या डा. अमिषा सिंह ने कार्यक्रम में विशेषज्ञ के रूप में आए अतिथियों व संयुक्त रूप से आयोजकों को आभार जताया। उन्होंने कहा कि आज हर व्यक्ति अपने दैनिक कार्यों में फंसे रह गया है। वह खुद को समय नहीं दे पाता। ऐसे में वह कई बार शारीरिक व मानसिक रूप से बीमार नजर आने लगता है। व्यक्ति को मेडिटेशन करना चाहिए। वह ऐसा कर शारीरिक व मानसिक रूप से स्वस्थ हो सकता है। कार्यक्रम के अंत में राष्ट्रीय प्रौद्योगिकी संस्थान के सहायक प्रोफेसर डा. गौरव मैनी ने सभी विशेषज्ञों का आभार जताया।



मेडिटेशन से व्यक्ति मानसिक रूप से स्वस्थ रहेगा

दैनिक जागरण  
पानीपत 20 अप्रैल 2021

5.1.3(h)

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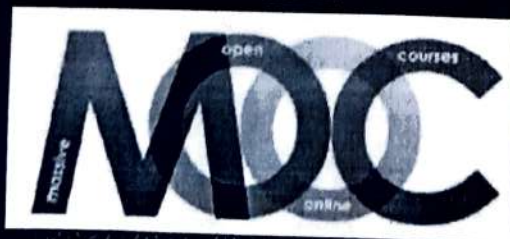
**Institute of Teacher Training  
& Research Kurukshetra University,  
Kurukshetra**

22 Apr · 🌐

Today, on April 22, 2021 an Online Interactive Session on 'MOOCs-Courses' has been organized by Institute of Teacher Training & Research, Kurukshetra University through ZOOM-Meeting. Prof. Kamlesh Gakhar, Former Professor- Institute of Management Studies & Research, MDU-Rohtak was the Resource Person for the session. All the B.Ed-1st Year students & Faculty of ITTR has attended the session.

## ONLINE INTERACTIVE SESSION

### ON



Resource Person

Prof. Kamlesh Gakhar



5.1.3(i)

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Institute of Teacher Training &...

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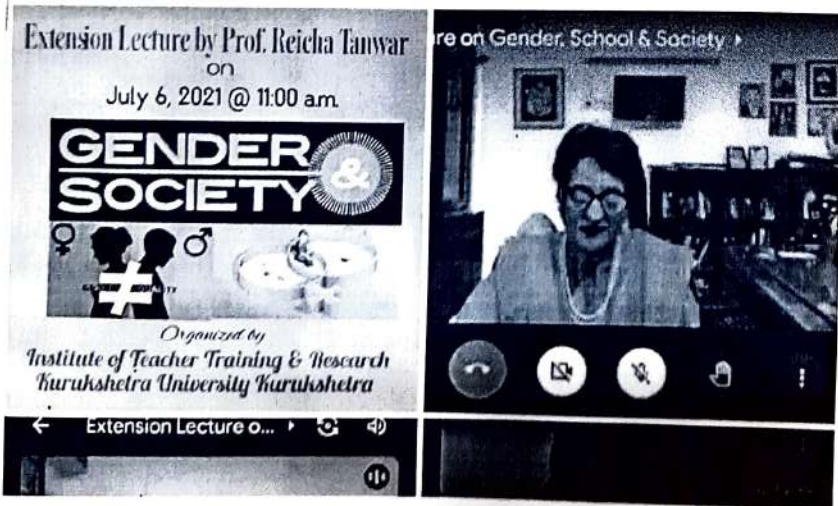
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Institute of Teacher Training & Research Kurukshetra University, Kurukshetra is with DrMamta Chawla.

6 Jul

Today, on July 6, 2021 An Extension lecture on Gender, School & Society has been organized by Institute of Teacher Training, Kurukshetra University Kurukshetra for B.Ed Students and faculty members. Prof. Reicha Tanwar, Founder & Former Director, Women Studies Research Centre, KUK was the expert Resource Person for the session. Dr. Amisha Singh, Principal ITTR-KUK welcomed the Guest of honor and motivated the students for the learning session.



Create Post



5.1.3 (i)

## खुशहाल परिवारों में भी घटता जा रहा लिंगानुपात : ऋचा तंवर

जागरण संवाददाता, कुरुक्षेत्र : कुरुक्षेत्र विश्वविद्यालय के महिला अध्ययन शोध केंद्र से सेवानिवृत्त प्रो. ऋचा तंवर ने कहा कि लिंगानुपात का स्तर बीपीएल परिवारों में ही नहीं घट रहा। खुशहाल परिवारों में भी लगातार घट रही है।



कुवि के शिक्षण प्रशिक्षण एवं अनुसंधान संस्थान की ओर से आयोजित आनलाइन व्याख्यान में हिस्सा लेते मुख्यातिथि सेवानिवृत्त प्रो. ऋचा तंवर । • लीजन्स पीआरओ

उन्होंने यह बात मंगलवार को कुरुक्षेत्र विश्वविद्यालय के शिक्षण प्रशिक्षण एवं अनुसंधान संस्थान में जेंडर सोसाइटी पर एक दिवसीय वर्चुअल विस्तार व्याख्यान कार्यक्रम में बतौर विषय विशेषज्ञ कही। उन्होंने कहा कि वर्तमान समय में भारत देश में महिलाओं की सुरक्षा के लिए बहुत सारे कानून बने हैं। उन्होंने जेंडर को प्रभावित करने वाले कारकों पर प्रकाश डालते हुए पितृसत्तात्मक समाज के बारे में अवगत कराया। उन्होंने जेंडर थियोरिज, लैंगिक सामाजिक निर्माण व व्यवहार पर प्रकाश डालते हुए आम जनमानस

के मन में उठने वाली शंकाओं व जिज्ञासाओं को भी शांत किया।

संस्थान की प्राचार्या डा. अमिषा सिंह ने कहा कि सशक्त समाज के लिए लैंगिक समानता बहुत जरूरी है। आज के समय में महिलाएं पुरुष से किसी भी क्षेत्र में कम नहीं है। एक सशक्त समाज के लिए लैंगिक समानता और उसके लिए समाज में संवेदनशीलता का होना बहुत जरूरी है। आनलाइन कार्यक्रम में 142 विद्यार्थियों ने भाग लिया।

दैनिक जागरण  
पानीपत 7 जुलाई 2021

## 'खुशहाल परिवारों में भी घट रहा लिंग अनुपात'

संवाद न्यूज एजेंसी

कुरुक्षेत्र। कुरुक्षेत्र विश्वविद्यालय के महिला अध्ययन शोध केंद्र से सेवानिवृत्त प्रो. ऋचा तंवर ने कहा कि लिंग अनुपात का स्तर बीपीएल परिवारों में ही नहीं घट रहा, बल्कि खुशहाल परिवारों में भी घटोतरी

केयू के शिक्षण प्रशिक्षण एवं अनुसंधान संस्थान में व्याख्यान आयोजित

देखने को मिल रही है। वे मंगलवार को केयू के शिक्षण प्रशिक्षण एवं अनुसंधान संस्थान की ओर से जेंडर सोसाइटी पर एक दिवसीय वर्चुअल विस्तार व्याख्यान कार्यक्रम में बतौर विशेषज्ञ बोल रही थी। इससे पहले कार्यक्रम का शुभारंभ संस्थान की प्राचार्या डॉ. अमिषा सिंह द्वारा किया गया।

प्रो. ऋचा तंवर ने कहा कि वर्तमान समय में भारत देश में महिलाओं की सुरक्षा के लिए बहुत सारे कानून बने हुए हैं। उन्होंने जेंडर को प्रभावित करने वाले कारकों पर प्रकाश डालते हुए पितृ सत्तात्मक समाज के बारे में अवगत कराया। उन्होंने जेंडर थियोरिज, लैंगिक सामाजिक निर्माण व व्यवहार पर प्रकाश डालते हुए प्युपल टोचर्स के मन में उठने वाली शंकाओं व जिज्ञासाओं को शांत किया। संस्थान की प्राचार्य डॉ. अमिषा सिंह ने कहा कि सशक्त समाज के लिए लैंगिक समानता बहुत जरूरी है। आज के समय में महिलाएं पुरुष से किसी भी क्षेत्र में कम नहीं है। एक सशक्त समाज के लिए लैंगिक समानता और उसके लिए समाज में संवेदनशीलता का होना बहुत जरूरी है। इस आनलाइन कार्यक्रम में 142 विद्यार्थियों ने भाग लिया। इस अवसर पर संस्थान के सभी प्राध्यापक उपस्थिति रहे।

अमर उजाला

बुधवार 7.07.21



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**Institute of Teacher Training  
& Research Kurukshetra University,  
Kurukshetra**

...

11 Aug · 🌐

इंस्टीट्यूट ऑफ टीचर ट्रेनिंग एंड रिसर्च, कुरुक्षेत्र विश्वविद्यालय के "हर्बल गार्डन" का उद्घाटन कुरुक्षेत्र विश्वविद्यालय के वाइस चांसलर (VC) प्रोफेसर सोमनाथ सचदेवा जी के द्वारा दिनांक 10 अगस्त 2021 को किया गया। इस अवसर पर विश्वविद्यालय के रजिस्ट्रार डॉ. संजीव शर्मा, डीन एजुकेशन डॉ. अरविंद मलिक एवं शिक्षा विभाग के विभागाध्यक्ष डॉ. राजवीर सिंह भी मौजूद रहे। इसके अतिरिक्त "आत्मनिर्भर भारत" विषय पर आधारित बी.एड. छात्रों द्वारा हस्तनिर्मित वस्तुओं की प्रदर्शनी भी लगाई गई। इंस्टीट्यूट प्राचार्या डॉ. अमीषा सिंह ने सभी गणमान्य अतिथियों का स्वागत एवं आभार व्यक्त किया।

See translation





GPS Map Camera

Thanesar, Haryana, India

XR67+7XQ, Kurukshetra University, Thanesar, Haryana 136119, India

Lat 29.960913°

Long 76.814802°

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*Apurva & Associates*  
Consultants  
Dr. P. C. Singh & Sonu  
Kurukshetra University  
KURUKSHETRA-136119





**Department of Music & Dance**  
**and**  
**Centre for Continuing Education**  
 (Under the aegis of Kurukshetra University RUSA 2.0 Project Society)  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**



is going to organize an

## Online National Level Workshop

on

## " Skill development for Professionals in Performing Arts "

29th July-to- 06th August, 2021



Pandit Harvinder Sharma  
(Sitar)



Prof. Yashpal Sharma  
(Vocal)



Dr. Rahul Swarnkar  
(Tabla)



Dr. Shubra Aurora  
(Dance)



Dr. Ravi Gautam  
(Sound Production)

Google Link for registration

[https://docs.google.com/forms/d/e/1FAIpQLSepV6q0q9I-FJkeaGw-YCSoLjwQXONXGJnoHG3SvCVL2oh3mXA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSepV6q0q9I-FJkeaGw-YCSoLjwQXONXGJnoHG3SvCVL2oh3mXA/viewform?usp=sf_link)

Coordinator

**Dr Harwinder Singh Longowal**  
(9896894377)

Org. Secretary

**Dr Ashok Kumar Sharma**  
(9896147359)

Co-convener

**Dr Aarti Sheokand**

*Aarti Sheokand*  
 Chairperson  
 Deptt. of Music & Dance  
 Kurukshetra University  
 KURUKSHETRA-136119

Convener

**Prof Shuchismita,**  
 Dean & Chairperson,  
 Dept. of Music & Dance

**“DEVELOPMENT FOR PROFESSIONALS IN PERFORMING ARTS”  
DEPARTMENT OF MUSIC & DANCE**

**AND**

**CENTRE FOR CONTINUING EDUCATION**

**(UNDER THE AEGIS OF KURUKSHETRA UNIVERSITY RUSA 2.0 PROJECT SOCIETY)**

**KURUKSHETRA UNIVERSITY KURUKSHETRA**

**(Established by The State Legislature Act-XII of 1956)**

**(“A” Grade, NAAC Accredited)**

**संगीत एवं नृत्य विभाग कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र में संगीत की आठ दिवसीय  
ऑनलाइन कार्यशाला का शुभारंभ**

दिनांक 29 जुलाई 2021 को कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र के संगीत एवं नृत्य विभाग में व्यवसायिक कलाकारों व संगीत के शिक्षकों व विद्यार्थियों के लिए कौशल विकास कार्यशाला का शुभारंभ किया गया। इस कार्यशाला में गायन विषय के लिये पंजाबी विश्वविद्यालय के संगीत मर्मज्ञ व विद्वान प्रोफेसर यशपाल शर्मा, सितार वादन विषय के लिए विख्यात कलाकार व विद्वान पंडित हरविंदर शर्मा, तबला विषय के लिए डॉ० हरि सिंह गौर केंद्रीय विश्वविद्यालय, सागर से तबला के विशेषज्ञ डॉ० राहुल स्वर्णकार, कथक नृत्य के लिए विख्यात कथक कलाकार व गुरु डॉ० शुभ्रा तथा साउंड रिकॉर्डिंग की तकनीकों को सिखाने के लिए विद्वान डॉ० रवि गौतम के द्वारा प्रशिक्षण का कार्य किया जाएगा।

इस कार्यशाला का शुभारंभ विश्वविद्यालय के कुलपति से किया गया। कार्यशाला के उद्घाटन सत्र में विश्वविद्यालय के कुलपति प्रोफेसर सोमनाथ सचदेवा, संगीत एवं नृत्य विभाग की विभागाध्यक्षा व डीन प्रोफेसर शुचिस्मिता शर्मा, कार्यशाला के सभी विषय विशेषज्ञ तथा संगीत के विभिन्न कलाकार, शिक्षक, विद्यार्थी व शोधार्थी इस उद्घाटन सत्र में सम्मिलित हुए।

कुलपति प्रो० सोमनाथ सचदेवा ने कहा कि संगीत एक अद्भुत एवं कला है। संसार का कोई भी व्यक्ति इस कला से अछूता नहीं है। संगीत में साधना किये बगैर सफलता प्राप्त नहीं होती, इसलिए साधना के क्रम को अनवरत जारी रखना पड़ता है। कुलपति महोदय ने संगीत एवं नृत्य विभाग को इस कार्यशाला के लिए बधाई दी तथा सभी प्रतिभागियों को शुभकामनाएँ दी व कहा कि इस आठ दिवसीय कार्यशाला में आप जो ज्ञान अर्जित करेंगे वह आपके आने वाले जीवन में बहुत लाभकारी होगा। ज्ञान मंथन के इस पवित्र कार्य से ज्ञान की नई दिशाएं खुलेंगी जो आप सभी के कौशल विकास व प्रतिभा को नई ऊँचाइयाँ प्रदान करेंगी।

इस कार्यक्रम में संगीत एवं नृत्य विभाग की विभागाध्यक्षा प्रोफेसर शुचिस्मिता ने कुलपति प्रोफेसर सोमनाथ सचदेवा तथा आमंत्रित सभी विषय विशेषज्ञों व सभी प्रतिभागियों का स्वागत किया तथा बताया कि संगीत एवं नृत्य विभाग समय समय पर इस प्रकार के कार्यक्रमों का आयोजन करवाता रहता है। इस कार्यशाला में भी सैंकड़ों प्रतिभागियों ने नामांकन करवाया है तथा विश्वास जताया कि सभी प्रतिभागी अनुशासन से इस कार्यशाला में भाग लेंगे तथा विषय के विशेषज्ञों से ज्ञान प्राप्त करेंगे व उनके अनुभवों से लाभ उठाएंगे।

*Aarti Shekhar*  
Chairperson  
Deptt. of Music & Dance  
Kurukshetra University  
KURUKSHETRA-136119

इस के पश्चात विभाग की शिक्षिका डॉ० आरती श्योकंद ने कुरुक्षेत्र विश्वविद्यालय के कुलपति महोदय, सभी विषय विशेषज्ञों तथा इस सत्र में भाग लेने के लिये सभी प्रतिभागियों व कलाकारों का धन्यवाद किया।

गायन विषय के विशेषज्ञ डॉ० यशपाल शर्मा ने अपने अनुभव को साँझा करते हुए कहा कि संगीत विभाग कुरुक्षेत्र विश्वविद्यालय में उन्होंने स्वर्णिम समय व्यतीत किया और यही पर अर्जित ज्ञान से उनके भविष्य की नींव पड़ी। उन्होंने विश्वास दिलाया कि आने वाले आठ दिनों में गायन से संबंधित विविध विषयों का ज्ञान प्रतिभागियों से साँझा करेंगे।

सितार वादक पंडित हरविंदर शर्मा ने प्रथम कालांश में सितार की सरंचना से लेकर बोलों को बजाने के ढंग पर विस्तार से चर्चा की।

कार्यक्रम के लिए तकनीकी संचालन डॉ० हरविंदर सिंह लोंगोवाल ने किया। इस कार्यशाला के उद्घाटन सत्र का सूत्र संचालन डॉ० अशोक शर्मा ने किया तथा अंत में राष्ट्रीय गीत वंदे मातरम गाकर उद्घाटन सत्र का समापन किया गया।

## **29 जुलाई-**

### **प्रथम सत्र**

आज से कु.वि.कु. में संगीत एवं नृत्य विभाग व रुसा द्वारा आठ दिवसीय संगीत कार्यशाला का प्रारम्भ हुआ है। इस कार्यशाला का उद्देश्य प्रतिभागियों को इस महामारी की असामान्य परिस्थितियों में समय का सदुपयोग एवं आंतरिक कलात्मक प्रतिभा का पता लगाना है।

हमारी कथक नृत्य की राष्ट्रीय कार्यशाला की विषय विशेषज्ञ डॉ० सुभद्रा अरोरा है। जिनका आज संक्षिप्त परिचय दिया गया। आज की कार्यशाला में उन्होंने नृत्य की मूल बातों का वर्णन किया तथा हाथ की हरकतों का नृत्य में महत्व बताया।

### **दूसरा सत्र**

आज दिनांक 29/07/2021 को तबला कार्यशाला के उद्घाटन सत्र में आमंत्रित विषय विशेषज्ञ हरी सिंह गौर केंद्रीय वि.वि. सागर के तबला व्याख्याता श्री राहुल स्वर्णकार ने तबले के विकास क्रम तथा संगीत में तबले के बढ़ते हुए महत्व पर विस्तार से चर्चा की। साथ ही तबले के प्रमुख वर्णों तथा उनके निकास पर विचार व्यक्त करते हुए एक तबला विद्यार्थी के जीवन में अभ्यास के महत्व को रेखांकित किया। कार्यक्रम का सफल संचालन कु.वि. संगीत विभाग के तबला व्याख्याता डॉ० ज्ञान सागर ने किया।

### **तीसरा सत्र**

आज की संगीत कार्यशाला में पंडित हरविंदर शर्मा ने सितार की बारीकियों के बारे में सभी प्रतिभागियों को अवगत कराया। सितार की बैठक से लेकर तंत्र का रियल अप, खयाल शैली, चिंतन, जमजम, आहट का मूर्ति आदि अनेक

बारीक राज प्रतिभागियों के समक्ष खोले। आज की सितार कार्यशाला में पंडित हरविंदर शर्मा जी ने बेहद खूबसूरत और सुरीला सितार वादन भी किया और उस के माध्यम से प्रतिभागियों को यह समझाया कि सितार बजाने के अलग अलग अंदाज होते हैं विभिन्न स्तरों पर कार्यक्रम के अनुसार सितार की शैली का चुनाव किस प्रकार हो, लाइट म्यूजिक में किस तरह के स्ट्रोक लगाने चाहिए। शास्त्रीय संगीत में किस तरह के स्ट्रोक लगे इसके बारे में विस्तार से जानकारी दी। आज की कार्यशाला में सितार विधा के 48 प्रतिभागियों ने भाग लिया और अपनी संगीत पिपासा को शांत किया। पंडित हरविंदर शर्मा जी द्वारा सितार के संबंध में दी गई जानकारी सभी के लिए अत्यंत लाभप्रद सिद्ध होगी और स्किल डेवलपमेंट के लिए यह कार्यशाला मील का पत्थर साबित होगी।

## चौथा सत्र

संगीत कार्यशाला के पहले दिन के चौथे सत्र की शुरुआत गायन विधा सम्बन्धी प्रशिक्षण से हुई। जिसका शुभारम्भ पंजाबी विश्विद्यालय के प्रो डॉ० यशपाल शर्मा जी ने किया। इस सत्र में डॉ० सुशील कुमार जी ने उनका और सभी उपस्थित प्रतिभागियों का हार्दिक स्वागत किया। डॉ० यशपाल जी ने अपना परिचय देते हुए बताया की वह गायन की इंदौर घराने की परम्परा से सम्बन्ध रखते हैं जिसकी नींव सुविख्यात उस्ताद आमिर खान साहब के द्वारा रखी गयी। उस्ताद आमिर खान के मुख्य शिष्य पंडित अमरनाथ जी के सानिध्य में डॉ० यशपाल जी ने गायन विधा की बारीकियों का अध्ययन किया। इसके तत्पश्चात उपस्थित सभी प्रतिभागियों ने भी कार्यशाला में अपना अपना परिचय दिया।

एक कलाकार के जीवन में गुरु ही अंधेरे से उजाला करता है। गुरुओं के अतुल्य योगदान को ही अर्पित करते हुए डॉ० यशपाल शर्मा ने सभी विद्यार्थियों को एक गुरु वंदना सिखाई। भूपाली, यमन, यमन कल्याण तथा हंस्वनि इन चार रागों के सुंदर मिश्रण से बनी यह वंदना प्रतिभागियों को मंत्रमुग्ध करने वाली थी। डॉ० यशपाल शर्मा जी ने विद्यार्थियों को गायन विधा की बारीकियों को भली भाँति समझाया। प्रतिभागियों ने इस कार्यशाला में बड़े ही उत्साह पूर्वक गायन की बारीकियों को समझा और उससे अपनी जिज्ञासाओं को पूर्ण किया।

समय की सीमा को देखते हुए शुभकामनाओं के साथ सत्र का समापन किया गया।

## पाँचवा सत्र

इसके पश्चात साउंड रिकॉर्डिंग के कालांश में डॉ० रवि गौतम ने संगीत को ध्वनांकित करने के संदर्भ में विभिन्न प्रकार की उपयोगी जानकारी प्रतिभागियों को दी। आपने बताया कि संगीत को ध्वनायंकन करने में किस प्रकार की बातों का ध्यान रखना चाहिए। किस प्रकार से विभिन्न वाद्यों व कंठ ध्वनि को रिकॉर्ड किया जा सकता है तथा उस में किन किन बातों का ध्यान रखना चाहिए। विभिन्न रेकोर्डिंग सॉफ्टवेयर्स, माइक, व उपयोगी उपकरणों के विषय में भी अपने संक्षिप्त जानकारी प्रदान की।

## 30 जुलाई 2021

### प्रथम सत्र

संगीत कार्यशाला के दूसरे दिन के पहले सत्र की शुरुआत नृत्य की झंकार से हुई। देश के विभिन्न भागों से छात्रों ने बढ़ चढ़कर भाग लिया। कार्यशाला का सत्र संचालन डॉ० सीमा जौहरी द्वारा किया गया। विषय विशेषज्ञ डॉ० शुभ्रा जो कि कथक की एक सुविख्यात कलाकार हैं, उन्होंने प्रतिभागियों को नृत्य के मूल सिद्धांत बताकर शुरुआत की। उन्होंने कहा कि नृत्य सभी के लिए आवश्यक है, आधुनिक समय की भागदौड़ में नृत्य शारीरिक तथा मानसिक संतुलन बनाए रखने में सहायक सिद्ध होगा। अभ्यास के महत्व को विद्यार्थियों के साथ साँझा करते हुए डॉ० शुभ्रा ने

कहा की यह एक पवित्र साधना है जो की अभ्यास के बिना पूर्ण नहीं की जा सकती। उन्होंने कथक नृत्य को एक सुंदर चित्र के समान बताया जिसमें एक कलाकार की मुद्राएँ उसे सिद्ध तथा संपूर्ण करती है।

उन्होंने सबसे पहले सिद्धि विनायक को नमन करते हुए गणेश परन ही सभी विद्यार्थियों को सिखाई। नृत्य की मूलभूत तकनीकों के साथ साथ विभिन्न घरानों की विशेषताओं को भी परिलक्षित किया। रोचक चर्चाओं के बीच सत्र का समापन हुआ।

## दूसरा सत्र

दूसरे सत्र की शुरुआत तबला कौशल की कार्यशाला से हुई। डॉ० ज्ञान सागर ने सभी प्रतिभागियों का हार्दिक स्वागत करते हुए पिछले सत्र की विशेषताओं को दोबारा सभी से साँझा किया। तबला विशेषज्ञ डॉ० राहुल स्वर्णकार ने सभी प्रतिभागियों का अभिवादन कर स्वागत किया।

तबला के प्रथम कालांश में पेशकार की तकनीकी संरचना और उनकी घरानेदार विशेषताओं सम्बन्धी बातों से डॉ० राहुल स्वर्णकार ने छात्रों का ज्ञानवर्धन किया। इसके पश्चात उन्होंने उठान तथा पेशकार के बनारस, लखनऊ, फरुखाबाद आदि घरानों के बाजों के तकनीकी पक्षों पर विशेष रूप से विस्तार से चर्चा की। इनकी बढ़त, लय तथा इन्हें पेश करने के अलग अलग तरीकों को बड़े ही रोचक ढंग से प्रतिभागियों को सिखाया गया।

## तीसरा सत्र

आज दिनांक 30/7/ 2021 को डॉ० पंडित हरविंदर शर्मा द्वारा कार्यशाला के दूसरे दिन सितार के मिलान के अलग-अलग तरीकों ,राग श्री, मालकोश बागेश्वरी इत्यादि रागो पर पर किस प्रकार श्रुति के माध्यम से स्वर लगाए जाते हैं सम्बन्धी जानकारी प्रदान की गयी एवं विभिन्न तरीकों से सितार में श्रुतियों को की किस प्रकार रागो के माध्यम से लगाया जाते है, उनके विषय में बताया।

इसके साथ साथ सुगम संगीत को सितार पर शास्त्रीय संगीत मे कैसे बजाया जाए इसकी भी जानकारी दी कार्यशाला में लगभग 40 से अधिक विद्यार्थी शोधार्थी एवं अध्यापकों ने भाग लिया।

## चौथा सत्र

दूसरे दिन के चौथे सत्र की शुरुआत डॉ० यशपाल शर्मा जी के राग यमन के स्वरों से हुई। गायन की कार्यशाला का संचालन डॉ० सुशील कुमार द्वारा किया गया। इस सत्र में डॉ० यशपाल शर्मा जी ने इस पीढ़ी के सबसे महत्वपूर्ण विषय "रियाज़ के आयाम" पर चर्चा की। इस संदर्भ में कई प्रतिभागियों की जिज्ञासाओं का समाधान किया गया तथा विद्यार्थियों को रियाज़ के विविध आयामों से परिचित करवाया गया ताकि उनके गायन के क्रियात्मक पक्ष में विविधता तथा उत्कृष्टता का समायोजन हो सके। इस विषय की जटिल बारीकियों को डॉ० यशपाल जी ने इतने सरल तरीके से प्रतिभागियों के सामने रखा की सभी स्तर के प्रतिभागी उनकी बातों को समझ पाए। यहीं पर इस मूल्यवान सत्र का समापन हुआ।

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## पाँचवा सत्र

इसके पश्चात डॉ० रवि गौतम ने साउंड रिकॉर्डिंग की कार्यशाला में रिकॉर्डिंग से संबंधित विभिन्न उपकरणों के बारे में जानकारी दी। आपने विभिन्न स्पीकर्स हेडफोन्स , ऑडियो इंटरफ़ेस , मिक्सिंग इत्यादि के संदर्भ में विस्तार से जानकारी प्रदान की। कार्यशाला के इस सत्र का संचालन डॉ० मुनीश ने किया।

31 जुलाई 2021

## प्रथम सत्र

कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र के संगीत एवं नृत्य विभाग में चल रही कौशल विकास कार्यशाला के तीसरे दिन के पहला सत्र में नृत्य विषय की विशेषज्ञा डॉ० शुभा ने जयपुर घराने की गणेश परन से सत्र का प्रारम्भ किया। इसके पश्चात तत्कार तथा थाट का प्रशिक्षण दिया। अपने प्रतिभागियों को विभिन्न लयों में पढ़त तथा नृत्य की विभिन्न मुद्राओं की जानकारी प्रतिभागियों को दी।

## दूसरा सत्र

कार्यशाला के दूसरे सत्र में तबला विषय के विशेषज्ञ डॉ० राहुल स्वर्णकार ने एकल तबला वादन के प्रमुख रचना कायदा के विषय में विस्तृत रूप से जानकारी प्रदान की तथा विभिन्न घरानों के कायदों व उनकी विशेषताओं को बताते हुए अनेक प्रारंभिक व विशिष्ट कायदों की जानकारी प्रतिभागियों को दी। इसके पश्चात आपने रेला व कायदा के बोलों के विषय में भी विस्तार से बताया ।

## तीसरा सत्र

कार्यशाला के तीसरे सत्र में पंडित डॉ० हरविंदर शर्मा जी ने सितार विषय पर व्याख्यान देते हुए सितार के इतिहास के बारे में वर्णन किया । इसके साथ-साथ अमीर खुसरो द्वारा रचित रागों पर भी चर्चा की गई कि किस प्रकार रागों की बंदिशों का चलन मध्यकाल में होता था। इसके साथ-साथ सितार के विभिन्न घरानों की वादन विधि पर भी चर्चा की गई । सुगम संगीत को सितार पर किस प्रकार से बजा कर आज के युग में और उसको कितना बेहतर बनाकर प्रस्तुत किया जा सकता है यह भी बताया गया। सितार पर हनुमान चालीसा वादन कर सुगम संगीत की अनेक बारीकियों के बारे में जैसे खटका ,जमजमा ,मुर्की,कण इत्यादि सितार की शैलियों को राग में कैसे डाला जाए इस पर भी चर्चा की गई। अंत में विद्यार्थी, शोधार्थी, संगीत के गुणीजनों द्वारा पूछे गए सितार संबंधी सवालों का भी उत्तर दिया गया जो सभी संगीत के विद्यार्थी, शोधार्थी के लिए लाभदायक सिद्ध होंगे।

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## चौथा सत्र

कार्यशाला में गायन के विशेषज्ञ प्रोफेसर यशपाल शर्मा ने मध्याह्न सत्र के अंतर्गत कंठ साधना विषय पर अपने विचारों को प्रतिभागियों से सांझा किया। अपने कंठ साधना के अंतर्गत आवाज़ के उच्चारण, श्वास की प्रक्रिया इत्यादि पर विस्तृत चर्चा की तथा आवाज़ को तैयार करने के विभिन्न महत्वपूर्ण अलंकारों के विषय में भी जानकारी प्रदान की। इसके पश्चात प्रतिभागियों के सवालों व शंकाओं का समाधान भी किया।

## पाँचवा सत्र

दिन के अंतिम सत्र में डॉ० रवि गौतम ने साउंड रिकॉर्डिंग से जुड़ी महत्वपूर्ण जानकारियों को प्रतिभागियों से सांझा किया। अपने रिकॉर्डिंग सॉफ्टवेयर पर विभिन्न ट्रैक को बनाना, गायन और वादन को रिकॉर्ड करना तथा उस से संबंधित महत्वपूर्ण बातों के संदर्भ में जानकारी प्रतिभागियों को दी। अंत में प्रतिभागियों के सवालों का उत्तर देते हुए उनकी शंकाओं का समाधान किया।

## 2 जुलाई 2021

### प्रथम सत्र

कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र के संगीत एवं नृत्य विभाग द्वारा आयोजित कौशल विकास कार्यशाला के चौथे दिन के पहले सत्र की शुरुआत नृत्य की कार्यशाला के पिछले सत्र की पड़त के दोहराव से हुई। डॉ० शुभा ने जयपुर घराने की प्रसिद्ध बंदिश चक्रधार परन मुद्राओं सहित प्रतिभागियों को करवाई। एक एक बोल के महत्व तथा उनकी सार्थकता पर बल दिया गया। प्रतिभागियों को चक्रधार परन को बोलों को सुनकर पहचानने तथा उनकी उपज शरीर के अंगों से अर्थात् हाथों और पैरों से कैसे होनी चाहिये, इस पर भी विस्तार से चर्चा हुई।

कथक के इतिहास एवं घरानों की उत्पत्ति तथा विकास पर विशेष रूप से विस्तृत चर्चा हुई जिससे सभी का ज्ञानवर्धन हुआ।

### दूसरा सत्र

दूसरे सत्र में आज आमंत्रित तबला विशेषज्ञ डॉ० राहुल स्वर्णकार ने अविस्तारशील रचनाओं के अंतर्गत गत एवं उसके विभिन्न प्रकारों पर विस्तार से चर्चा की जिसमें दिल्ली, लखनऊ, फर्रुखाबाद आदि घरानों की गतों को सोदाहरण प्रस्तुत किया।

### तीसरा सत्र

कार्यशाला के तीसरे सत्र में पंडित हरविंदर शर्मा जी ने व्याख्यान देते हुए सितार की विभिन्न प्रकार की गतों यथा मसीतखानी, रजाखानी, व इमदाद खानी गत के बारे में विस्तार से बताया। उन्होंने यह भी बताया कि मध्यकाल में विभिन्न गतों का चलन किस प्रकार था तथा किस प्रकार से तबला के साथ इन गतों का वादन किया जाता था।

इसके साथ-साथ राग प्रस्तुतिकरण के तत्वों जिसमें सर्वप्रथम अलाप इसके बाद जोड़ अलाप, जोड़ तान तथा तान को मध्य काल और आधुनिक काल में किस प्रकार बजायी जाती हैं इसका भी संक्षेप में व्याख्यान किया। गतों में तोड़े चौगुण, सतगुण अठ गुण किस प्रकार लिए जाते हैं यह भी बताया। राग बिहाग में अनेक प्रकार की गतों का

सितार पर वादन कर उनकी शुद्धता को किस प्रकार कायम रखा जाए यह भी बताया गया। कार्यशाला में लगभग 40 विद्यार्थी, शोधार्थी, अध्यापक गण संगीत गुणीजनो ने भाग लिया।

### चौथा सत्र

इसके पश्चात प्रोफेसर यशपाल ने उत्तर भारतीय तथा दक्षिण भारतीय संगीत में रागांग व मेल पद्धति, पर विस्तृत चर्चा की। भैरव राग के माध्यम से रागों में विभिन्न स्वरों के महत्व व प्रयोग को भी सोदाहरण स्पष्ट किया।

### पाँचवा सत्र

इसके पश्चात पंचम सत्र में डॉ० रवि गौतम ने साउंड रिकॉर्डिंग से संबंधित विभिन्न विषयों पर प्रतिभागियों को प्रशिक्षण दिया।

## 3 जुलाई 2021

### प्रथम सत्र

कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र के संगीत एवं नृत्य विभाग द्वारा आयोजित कौशल विकास कार्यशाला के चौथे दिन के पहले सत्र नृत्य विषय से संबंधित था। डॉ० शुभ्रा ने गुरु के महत्व पर प्रकाश डाला। अपने बताया कि हमारे जीवन में गुरु का होना अत्यंत आवश्यक है क्योंकि गुरु ही हमें सही दिशा दिखाता है। इसके पश्चात आपने पूर्व के सत्र में सिखाई जयपुर घराने की प्रसिद्ध बंदिश (चक्करदार परन)को सुना। आपने जयपुर घराने के नृत्य की विशेषताओं पर भी प्रकाश डाला व बताया कि इस घराने में वीर रस और भक्ति रस का बहुत अधिक महत्व है।

मीराबाई तथा राजस्थान के राजाओं का उदाहरण देते हुए

जयपुर घराने के नृत्य में भक्ति व वीर रस को स्पष्ट किया। आपने जयपुर घराने की विशेषताओं यथा पैरो की तयारी (footwork) और चक्कर का बहुत अधिक काम जिससे जयपुर घराना अन्य घरानों से पृथक दिखाई देता है, के विषय में भी जानकारी प्रदान की।

### दूसरा सत्र

दूसरे सत्र में आज आमंत्रित तबला विशेषज्ञ डॉ० राहुल स्वर्णकार ने अविस्तारशील रचनाओं के क्रम में आज मुखड़ा मोहरा, टुकड़ा और उसके विभिन्न प्रकारों पर प्रकाश डाला तथा इन के बीच के अंतर को स्पष्ट करते हुए कुछ रचनाएं सोदाहरण प्रस्तुत की तथा उनके निकास को समझाया। इस क्रम में विविध घरानों की कुछ सुन्दर रचनाओं के प्रस्तुतिकरण को समझाया।

### तीसरा सत्र

आज कार्यशाला के तीसरे सत्र में पंडित हरविंदर शर्मा जी ने अपना व्याख्यान देते हुए सितार पर इमदाद खानी घराने द्वारा आलाप के ढंग के विषय में बताया। आपने राग चारुकेशी में सितार पर मंद्र मध्य व तार सप्तक की जानकारी भी दी। कार्यशाला के इस सत्र में लगभग 45 विद्यार्थी शोधार्थी अध्यापक गण एवं संगीतज्ञ ने भाग लिया।

## चौथा सत्र

इसके पश्चात प्रोफेसर यशपाल ने राग भैरव में द्रुत ख्याल का प्रशिक्षण दिया। आपने राग भैरव के विषय में विभिन्न महत्वपूर्ण बातों को भी प्रतिभागियों से सांझा किया। इस सत्र का संचालन डॉ० सुशील ने किया।

## पाँचवा सत्र

इसके पश्चात पंचम सत्र में डॉ० रवि गौतम ने साउंड रिकॉर्डिंग से संबंधित विभिन्न विषयों पर प्रतिभागियों को प्रशिक्षण दिया।

कार्यशाला की को- कन्वीनर डॉ० आरती श्योकंद ने कार्यशाला के महत्व पर बताया संगीत के विद्यार्थियों को इस कार्यशाला से बहुत लाभ मिलेगा। बदलते समय के साथ कदम ताल करने में इस कार्यशाला में अर्जित ज्ञान पग पग पर उनका मार्गदर्शन करेगा।

## 4 जुलाई 2021

### प्रथम सत्र

संगीत एवं नृत्य विभाग कु०वि०कु० के द्वारा विगत छः दिनों से पेशेवर कलाकारों व संगीत के विद्यार्थियों हेतु आठ दिवसीय कौशल विकास कार्यशाला का आयोजन किया जा रहा है। आज कार्यशाला के छठे दिन कल्थक नृत्य की प्रसिद्ध कलाकार व गुरु डॉ० शुभ्रा अरोरा ने शिव परन का मर्म समझते हुए इसका प्रशिक्षण दिया। अपने बताया कि इसमें वीर, रौद्र तथा भक्ति रस का समावेश होता है। अपने यह भी बताया कि अपने इस परन का मर्म समझते हुए बताया कि जो रौद्र है, परिपक्व व साहसी है, श्रेष्ठ है अजन्मा है तथा सूर्य के समान प्रकाशमान है, ऐसे भगवती के पति भगवान शिव को मेरा प्रणाम है। आपने लय के विषय में बताते हुए लय के विभिन्न प्रकारों पर भी प्रकाश डाला।

### दूसरा सत्र

कार्यशाला के द्वितीय कालांश में पंडित हरविंदर शर्मा जी ने अपना व्याख्यान देते हुए इमदाद खानी घराने द्वारा किये जाने वाले आलाप के ढंग पर प्रशिक्षण को आगे बढ़ाते हुए जोड़ आलाप की जानकारी विशेष प्रकार से दी। जोड़ आलाप में किस प्रकार जोड़े की तार को छेड़कर विभिन्न प्रकार की शैलियों को किस प्रकार सितार पर दर्शाया जाता है यह भी बताया। राग चारुकेशी के माध्यम से संपूर्ण आलाप की जानकारी दी। राग चारुकेशी पर आधारित फिल्मी गीत - 'श्याम तेरी बंसी पुकारे राधा नाम' ..की प्रस्तुति पर सभी का मन मोह लिया इसके साथ साथ राग में फिल्मी संगीत में ताल का प्रयोग किस प्रकार किया जाता है की भी जानकारी दी।

### तीसरा सत्र

कार्यशाला के प्रातःकालीन सत्र के तृतीय कालांश में तबला विषय के विषय विशेषज्ञ के रूप में उपस्थित डॉ० राहुल स्वर्णकार ने तबला संगति के विभिन्न पक्षों पर प्रकाश डाला। गायन वादन तथा नृत्य में तबला संगति की बारीकियों को समझाया।

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KURUKSHETRA-136119



## चौथा सत्र

कार्यशाला के मध्याह्न सत्र के प्रथम कालांश में प्रोफेसर यशपाल ने राग भैरव , भैरव रागांग , तथा भैरव के विभिन्न प्रकारों जैसे कलिंगड़ा , गौरी , गुनकली , जोगिया, बैरागी, मंगल भैरव , बसंत मुखारी, इत्यादि के विषय में भी प्रतिभागियों के ज्ञान में वृद्धि की। आपने भैरव तथा उस के निकटवर्ती रागों की विशेष बातों को भी स्पष्ट किया ।

## पाँचवा सत्र

इस कालांश के पश्चात साउंड रिकॉर्डिंग के कालांश में डॉ० रवि गौतम ने ऑडियो मिक्सिंग विषय पर विस्तृत चर्चा की। अपने बताया कि किस प्रकार किसी प्रोजेक्ट में अलग अलग ध्वनियों तथा आवाज़ों का वॉल्यूम निर्धारित किया जाए व किस प्रकार से उस में उचित इफेक्ट्स का प्रयोग कर के हम सम्पूर्ण गीत अतना किसी रचना इत्यादि को सुंदर मधुर व प्रभावशाली बना सकते हैं। संगीत विभाग की ओर से कार्यशाला के आयोजन सचिव डॉ० अशोक शर्मा ने बताया कि बताया कि संगीत विभाग के द्वारा यह कार्यशाला रूस- सेन्टर फ़ॉर कंटीन्यूइंग एजुकेशन के साथ मिल कर आयोजित की जा रही है। देश के विभिन्न राज्यों से प्रतिभागी इस में विशेष रुचि दिखा रहे हैं। संगीत विभाग द्वारा निकट भविष्य में भी इस प्रकार के विभिन्न कार्यक्रम आयोजित किये जाते रहेंगे।

## 5 जुलाई 2021

गीत एवं नृत्य विभाग कु० वि० कु० द्वारा आयोजित कौशल विकास हेतु ऑनलाइन कार्यशाला के सातवें दिन प्रथम सत्र में डॉ० शुभ्रा ने नृत्य के कालांश में प्रतिभागियों को पिछले सत्र में करवाई हुई शिव परन का अभ्यास करवाया। इसके पश्चात डॉ० शुभ्रा ने नृत्य से संबंधित रोजगार के अवसरों से विद्यार्थियों को परिचित करवाया। उन्होंने विद्यार्थियों को नृत्य को करियर के तौर पर लेने के लिए उत्साहित तो किया ही साथ ही साथ इसे अपने रूटीन में शामिल करने के फ़ायदे भी प्रतिभागियों को बताएँ। प्रतिभागियों की जिज्ञासाओं का समाधान करते हुए इस सत्र के समापन हुआ ।

इस के पश्चात द्वितीय कालांश में पंडित हरविंदर शर्मा जी ने राग चारुकेश्री में आगे की जानकारी देते हुए जोड़ तानो की रचना किस प्रकार की जाए इसके विषय में जानकारी प्रदान की। इसके साथ- साथ जोड़ अलाप, जोड़ तान के बाद जोड़ झाला किस प्रकार बजाया जाता है इसकी भी जानकारी प्रदान की। कार्यशाला के अंत में सितार पर मेरा परदेसी ना आया गाना सुना कर सभी श्रोताओं को मंत्रमुग्ध कर दिया ।

कार्यशाला के मध्याह्न सत्र के प्रथम कालांश में प्रोफेसर यशपाल ने राग भैरव के विभिन्न प्रकारों के विषय में जानकारी दी। अपने राग विभास की बंदिश भी प्रतिभागियों को करवाई तथा अंत में प्रतिभागियों के प्रश्नों का उत्तर देते हुए उनकी जिज्ञासाओं का समाधान किया

इसके पश्चात साउंड रिकॉर्डिंग के कालांश में डॉ० रवि गौतम ने आज रिकॉर्डिंग से संबंधित विभिन्न मत्वपूर्ण तत्वों पर प्रकाश डाला।

संगीत एवं नृत्य विभाग की विभागाध्यक्षा व डीन प्रोफेसर शुचिस्मिता ने कार्यशाला के विषय में जानकारी देते हुए बताया कि विभाग द्वारा आयोजित यह कार्यशाला अत्यंत सफल रही है तथा देश के विभिन्न क्षेत्रों से प्रतिभागी इस कार्यशाला से लाभान्वित हो रहे हैं। अपने बताया कि कार्यशाला के आठवें दिन शाम 4.30 बजे कार्यशाला का समापन समारोह का ऑनलाइन आयोजन किया जाएगा। इस में विश्वविद्यालय के रजिस्ट्रार डॉ० संजीव शर्मा गेस्ट ऑफ ऑनर तथा डीन अकादमिक अफेयर्स प्रोफेसर मंजुला चौधरी मुख्य अतिथि के रूप में शामिल रहेंगे।

6 जुलाई 2021

कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र के संगीत एवं नृत्य विभाग द्वारा आयोजित ऑनलाइन कौशल विकास कार्यशाला के आठवें दिन डॉ शुभ्रा ने कथक नृत्य की ऐतिहासिक पृष्ठभूमि पर जानकारी देते हुए इसके क्रमिक विकास पर विस्तृत जानकारी प्रदान की। आपने विगत सात दिनों में करवाई हुई कथक की बंदिशों का भी पुनः अभ्यास करवाया। आपने नृत्य में उपज के विषय पर भी जानकारी प्रदान की।

द्वितीय कालांश में तबला विषय के विशेषज्ञ डॉ राहुल स्वर्णकार ने आधुनिक शिक्षा पद्धति में ऑनलाइन शिक्षण के महत्व और मूक और स्वयम पोर्टल पर उपलब्ध संगीत के पाठ्यक्रम को कैसे पूर्ण करें व आने वाले समय में इस दिशा में हो रहे प्रयासों पर जानकारी सांझा की।

कार्यशाला के तृतीय दिन पंडित हरविंदर शर्मा जी ने सितार पर भैरवी राग के साथ आरंभ करते हुए उस में विभिन्न प्रकार के गीतों के बारे में बताया जिसमें मोहे पनघट पे नंदलाल छेड़ गयो रे, मिले सुर मेरा तुम्हारा इत्यादि गीतों के माध्यम से संगीतज्ञों का मन मोह लिया व सितार पर अलग-अलग प्रकार की विभिन्न गतों को किस प्रकार बजाया जाता है यह बताया। अंत में आपने शोधार्थियों, विद्यार्थियों संगीत गुणीजनो के सवालियों का जवाब देते हुए उन्हें संगीत से जुड़े रहने के लिए प्रेरित किया।

इसके पश्चात प्रोफेसर यशपाल ने प्रतिभागियों को स्वरचित राग कबीरकोन्स सिखाया।

### **Valedictory ceremony**

शाम 4.30 पर इस कार्यशाला का समापन समारोह आयोजित किया गया। कुरुक्षेत्र विश्वविद्यालय के रजिस्ट्रार डॉ संजीव शर्मा गेस्ट ऑफ ऑनर तथा डीन अकादमिक अफेयर प्रोफेसर मंजुला चौधरी इस समापन समारोह में मुख्य अतिथि के रूप में सम्मिलित हुए।

कार्यशाला के समापन समारोह में कार्यशाला की आयोजिका तथा संगीत एवं नृत्य विभाग की विभागाध्यक्षा व डीन प्रोफेसर शुचिस्मिता ने विश्वविद्यालय के रजिस्ट्रार डॉ संजीव शर्मा तथा डीन अकादमिक अफेयर्स प्रोफेसर मंजुला चौधरी, सभी विषय विशेषज्ञों का व सभी प्रतिभागियों का धन्यवाद किया तथा कार्यशाला के आयोजन के सहयोग के लिए विश्वविद्यालय प्रशासन तथा रूसा सेंटर फॉर कंटीन्यूइंग रिसर्च के निदेशक डॉ एस एस बूरा का भी विशेष धन्यवाद किया। इस के पश्चात सभी विषय विशेषज्ञों तथा देश के विभिन्न राज्यों से कार्यशाला में भाग लेने वाले विभिन्न प्रतिभागियों ने कार्यशाला के संदर्भ में अपने अपने विचार रखे। सभी ने भविष्य में इस प्रकार के आयोजनों के लिए आग्रह किया तथा बहुत बहुत शुभकामनाएं दीं। अंत में कार्यशाला के कर्डीनेटर डॉ हरविंदर सिंह लोंगोवाल ने कुरुक्षेत्र विश्वविद्यालय के रजिस्ट्रार डॉ संजीव शर्मा तथा डीन अकादमिक प्रोफेसर मंजुला चौधरी, डॉ एस एस बूरा, सभी विषय विशेषज्ञों डॉ शुभ्रा अरोरा, पंडित हरविंदर शर्मा, डॉ राहुल स्वर्णकार, प्रोफेसर यशपाल शर्मा, डॉ रवि गौतम, सभी प्रतिभागियों तथा संगीत विभाग के सभी शिक्षकों का धन्यवाद किया। अंत में राष्ट्रीय गीत वंदे मातरम से कार्यशाला का औपचारिक समापन किया गया।

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# संगीत में प्रायोगिक पक्ष भी महत्वपूर्ण : सचदेवा

जागरण संवाददाता, कुरुक्षेत्र : कुरुक्षेत्र विश्वविद्यालय के कुलपति प्रो. सोमनाथ सचदेवा ने कहा कि संगीत एक पवित्र कला है। इसमें शास्त्र के साथ-साथ प्रायोगिक पक्ष भी अत्यंत



कुलपति प्रो. सोमनाथ सचदेवा। • जागरण महत्वपूर्ण है।

उन्होंने यह बात बुधवार को कुवि के संगीत एवं नृत्य विभाग में प्रशिक्षण और रोजगार केंद्र के सहयोग से संगीत उद्योग में विद्यार्थियों के कौशल विकास और रोजगार क्षमता में वृद्धि विषय पर आयोजित दो दिवसीय आनलाइन कार्यशाला के शुभारंभ अवसर पर कही। उन्होंने कहा कि संगीत विभाग की ओर से आयोजित कार्यक्रमों में यह कार्यशाला भी एक महत्वपूर्ण कड़ी है। इससे विद्यार्थियों में कौशल विकास के प्रति रुझान बढ़ेगा। प्राच्य विद्या संकाय अध्यक्ष प्रो. शुचिस्मिता शर्मा ने कहा कि इस तरह के कार्यशाला से ज्यादा से ज्यादा विद्यार्थियों को जुड़कर इसका लाभ उठाना चाहिए। संगीत विभाग की अध्यक्ष डा. आरती श्योकंद ने

कुरुक्षेत्र विश्वविद्यालय के संगीत विभाग में दो दिवसीय आनलाइन कार्यशाला शुरू, विद्यार्थियों में कौशल विकास का रुझान बढ़ेगा

सभी अतिथियों का आभार जताया। राजकीय महाविद्यालय साहा अंबाला के सेवानिवृत्त कंपोजर तथा शायर डा. अमृतपाल सिंह ने संगीत के क्षेत्र में रोजगार व कौशल विकास पर विस्तृत चर्चा की। उन्होंने संगीत रोजगार के क्षेत्र में गायन के साथ विभिन्न वाद्यों के प्रयोग, स्टूडियो में रिकार्डिंग, गुरबाणी में राग संगीत के कार्यक्रम, विभिन्न धर्मों में संगीत का महत्व और धुन बनाने के क्षेत्र में रोजगार के अवसर तथा अलंकारों के माध्यम से एक विद्यार्थी में संगीत निर्देशन के गुण विकसित करने पर अपने विचार रखे।

कार्यक्रम का संचालन विभाग के शिक्षक डा. अशोक शर्मा ने किया। म्यूजिक कंपोजर जय खन्ना ने संगीत रोजगार व कौशल विकास के बारे में चर्चा करते हुए संगीत निर्देशन के क्षेत्र में अपने दीर्घकालिक अनुभवों को साझा किया। दूसरे सत्र में मंत्र का संचालन करते हुए डा. मुनीष ने सभी अतिथियों का आभार जताया।



# संगीत में शास्त्र के साथ-साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण : प्रो. सोमनाथ सचदेवा

कुरुक्षेत्र। कुवि के संगीत एवं नृत्य विभाग में सेंटर फॉर ट्रेनिंग इंटरनॅशिप एन्ड एम्प्लॉयमेंट के सहयोग से संगीत उद्योग में छात्रों के कौशल विकास और रोजगार क्षमता में वृद्धि विषयक दो दिवसीय कार्यशाला का आयोजन किया गया। इस अवसर पर कार्यक्रम की अध्यक्षता करते हुए कुरुक्षेत्र विश्वविद्यालय के

कुलपति प्रो. सोमनाथ सचदेवा ने कहा कि संगीत एक पवित्र कला है इसमें शास्त्र के साथ साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण है। संगीत विभाग द्वारा आयोजित कार्यक्रमों में यह कार्यशाला भी एक महत्वपूर्ण कड़ी है जिससे विद्यार्थियों में कौशल विकास के प्रति रुझान बढ़ेगा।

# संगीत में शास्त्र के साथ-साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण प्रो. सोमनाथ सचदेवा कुवि के संगीत विभाग में दो दिवसीय ऑनलाइन कार्यशाला का हुआ शुभारंभ



**कुरुक्षेत्र (डी.आर. भटनागर/अनुज मुनीन्द्र जोशी)**

: कुरुक्षेत्र विश्वविद्यालय के संगीत एवं नृत्य विभाग में सेंटर फॉर ट्रेनिंग इंटरनशिप एंड एम्प्लॉयमेंट के सहयोग से संगीत उद्योग में छात्रों के कौशल विकास और रोजगार क्षमता में वृद्धि

विषयक दो दिवसीय कार्यशाला का आयोजन किया गया। इस अवसर पर कार्यक्रम की अध्यक्षता करते हुए कुरुक्षेत्र विश्वविद्यालय के कुलपति प्रो. सोमनाथ सचदेवा ने कहा कि संगीत एक पवित्र कला है इसमें शास्त्र के साथ साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण है। संगीत विभाग द्वारा आयोजित कार्यक्रमों में यह कार्यशाला भी एक महत्वपूर्ण कड़ी है जिससे विद्यार्थियों में कौशल विकास के प्रति रुझान बढ़ेगा। कार्यक्रम के आरम्भ में संगीत विभाग की विभागाध्यक्षा डब्ल्यू आरती श्योकंद ने कुलपति महोदय का तथा आमंत्रित विषय विशेषज्ञों का स्वागत किया। प्राच्यविद्या संकायाध्यक्षा प्रो. शुचिस्मिता शर्मा ने कार्यशाला के उद्देश्यों पर प्रकाश

डालते हुए इससे विद्यार्थियों के लाभान्वित होने की बात पर बल दिया। तत्पश्चात आमंत्रित विद्वान के रूप में शासकीय महाविद्यालय साहा से सेवानिवृत्त कम्पोजर तथा शायर डब्ल्यू. अमृतपाल सिंह ने संगीत के क्षेत्र में रोजगार व कौशल विकास पर विस्तृत चर्चा की। उन्होंने संगीत रोजगार के क्षेत्र में गायन के साथ विभिन्न वाद्यों के प्रयोग, स्टूडियो में रिकॉर्डिंग, गुरबाणी में राग संगीत के कार्यक्रम, विभिन्न धर्मों में संगीत का महत्व और धुन बनाने के क्षेत्र में रोजगार के अवसर तथा अलंकारों के माध्यम से एक विद्यार्थी में किस प्रकार संगीत निर्देशन के गुणों को विकसित किया जा सकता है आदि विविध विषयों पर विस्तार पूर्वक चर्चा की। सत्रांत में संगीत विभाग की

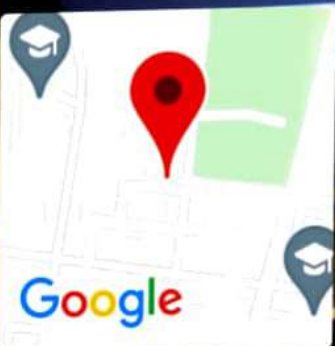
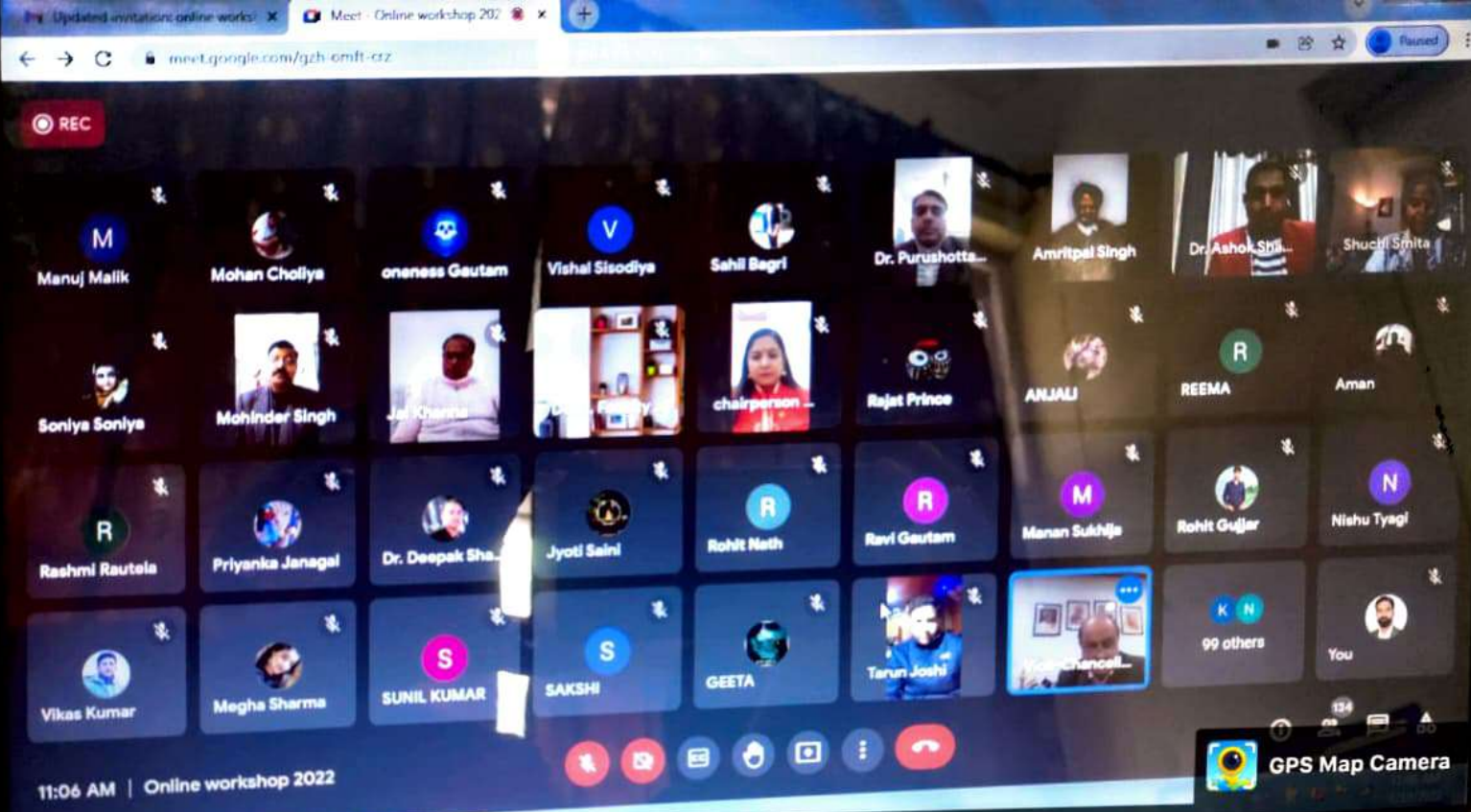
प्रोफेसर शुचिस्मिता शर्मा ने विषय विशेषज्ञ, कुलपति प्रो. सोमनाथ सचदेवा व अश्वनलाइन माध्यम से उपस्थित शिक्षकों व विद्यार्थियों का धन्यवाद किया। कार्यक्रम का संचालन डब्ल्यू. अशोक शर्मा ने किया द्वितीय सत्र के विषय विशेषज्ञ के रूप में प्रख्यात म्यूजिक कंपोजर जय खन्ना ने संगीत रोजगार व कौशल विकास के बारे में चर्चा की तथा संगीत निर्देशन के क्षेत्र में अपने दीर्घकालिक अनुभवों को साझा करते हुए किस प्रकार विद्यार्थियों को व्यावसायिक संगीत के क्षेत्र में अपना करियर बनाना चाहिए पर सारगर्भित चर्चा की। अश्वनलाइन माध्यम से आयोजित कार्यशाला के द्वितीय सत्र में संचालन तथा **धन्यवाद डब्ल्यू. मनीश** ने किया।



# संगीत में शास्त्र के साथ-साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण : प्रो. सोमनाथ सचदेवा

कुरुक्षेत्र (जसबीर दुग्गल) : कुरुक्षेत्र विश्वविद्यालय के संगीत एवं नृत्य विभाग में सेंटर फॉर ट्रेनिंग इंटरनशिप एन्ड एम्प्लॉयमेंट के सहयोग से संगीत उद्योग में छात्रों के कौशल विकास और रोजगार क्षमता में वृद्धि विषयक दो दिवसीय कार्यशाला का आयोजन किया गया। इस अवसर पर कार्यक्रम की अध्यक्षता करते हुए कुरुक्षेत्र विश्वविद्यालय के कुलपति प्रो. सोमनाथ सचदेवा ने कहा कि संगीत एक पवित्र कला है इसमें शास्त्र के साथ साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण है। संगीत विभाग द्वारा आयोजित कार्यक्रमों में यह कार्यशाला भी एक महत्वपूर्ण कड़ी है जिससे विद्यार्थियों में कौशल विकास के प्रति रुझान बढ़ेगा। कार्यक्रम के आरम्भ में संगीत विभाग की विभागाध्यक्षा डॉ. आरती श्योकंद ने कुलपति महोदय का तथा आमंत्रित विषय विशेषज्ञों का स्वागत किया। प्राच्यविद्या संकायाध्यक्षा प्रो. शुचिस्मिता शर्मा ने कार्यशाला के उद्देश्यों पर प्रकाश डालते हुए इससे विद्यार्थियों के लाभान्वित होने की बात पर बल दिया।





Thanesar, Haryana, India

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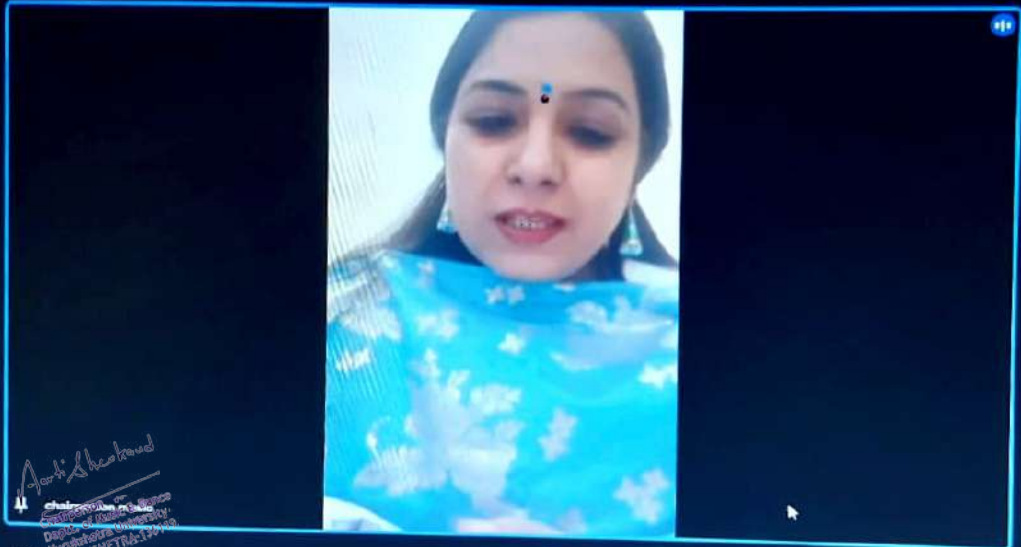
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*Dr. Ashok Sharma*  
Chairperson  
Dept. of Health & Welfare  
Kurukshetra University  
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# ज्ञान पर चर्चा और मंथन से निकलेंगे नए रास्ते

जागरण संवाददाता, कुरुक्षेत्र : कुरुक्षेत्र विश्वविद्यालय के कुलसचिव डा.



कुलसचिव डा. संजीव शर्मा। • जागरण आर्काइव

संजीव शर्मा ने कहा कि ज्ञान पर चर्चा और मंथन से नए रास्ते निकलेंगे। इस पवित्र कार्य से कला-कौशल एवं व्यावसायिक प्रतिभा को

नई ऊंचाइयां प्रदान करने में सहयोग मिलेगा। वह वीरवार को कुरुक्षेत्र विश्वविद्यालय के संगीत एवं नृत्य विभाग की ओर से आयोजित आनलाइन कार्यशाला के समापन अवसर पर संबोधित कर रहे थे। उन्होंने कहा कि संगीत एक अद्भुत एवं पवित्र कला है। मानव के जन्म के साथ ही संगीत का जन्म होता है। उसका जीवन संगीत के इर्द-गिर्द

## संगीत का प्रायोगिक पक्ष भी महत्वपूर्ण : प्रो. मंजूला

कुवि की डीन अकेडमिक अफेयर्स प्रो. मंजूला चौधरी ने कहा कि संगीत एक पवित्र कला है इसमें शास्त्र के साथ साथ प्रायोगिक पक्ष भी अत्यंत महत्वपूर्ण है। इस कार्यशाला में तबला नवाज डा. विजयशंकर मिश्र व गायक और हारमोनियम विशेषज्ञ डा. दिनकर शर्मा ने अपने-अपने विचार रखे। कार्यशाला के अंत में प्रो. शुचिस्मिता शर्मा ने कार्यशाला से जुड़े सभी विशेषज्ञों और प्रतिभागियों का आभार जताया। इस कार्यशाला से विभाग की अध्यक्ष डा. आरती श्योकंद भी शामिल रही।

घूमता है और संगीत के साथ वह अपनी खुशी को प्रकट करता है। संगीत के बिना मानव जीवन का सही मायने में कोई अर्थ ही नहीं है।



# संगीत के बिना मानव जीवन का सही मायने में कोई अर्थ नहीं: डॉ. संजीव शर्मा

कुवि के संगीत विभाग द्वारा आयोजित दो दिवसीय ऑनलाइन कार्यशाला का हुआ समापन



**कुरुक्षेत्र (डी.आर.भटनागर) :** कुरुक्षेत्र विश्वविद्यालय के कुलसचिव ड. संजीव शर्मा, ने कहा कि ज्ञान मंथन के इस पवित्र कार्य से ज्ञान की नयी दिशाएँ खुलेंगी जो आप सभी के कला-कौशल एवं व्यावसायिक प्रतिभा को नयी ऊंचाइयां प्रदान करने में सहयोग करेंगी। संगीत एक अद्भुत एवं पवित्र कला है। मानव के जन्म के साथ ही संगीत का जन्म होता है। उसका जीवन संगीत के इर्द-गिर्द घूमता है और संगीत के साथ नाचते गाते हुए वह अपनी खुशी को प्रकट करता है। वे गुरुवार को कुरुक्षेत्र विश्वविद्यालय के संगीत एवं नृत्य विभाग में सेंटर फ़श्चर ट्रेनिंग इंटरशिप एन्ड एम्प्लश्वयमेंट के सहयोग से संगीत उद्योग में छात्रों के कला-कौशल और रोजगार क्षमता में वृद्धि विषयक दो दिवसीय कार्यशाला के समापन अवसर पर विशिष्ट अतिथि के रूप में बोल रहे थे। कुलसचिव ड. संजीव शर्मा ने कहा कि संगीत के बिना मानव जीवन का सही मायने में कोई अर्थ ही नहीं है। कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र का संगीत एवं नृत्य विभाग संगीत विषय के प्रचार-प्रसार के लिए विभिन्न स्तरों पर कार्यक्रमों, गोष्ठियों व कार्यशालाओं के माध्यम से सकारात्मक प्रयास करता रहता है। यह संगीत कार्यशाला भी इसी शृंखला की एक अति महत्वपूर्ण कड़ी है। प्रदर्शन कला में व्यवसायिक रूप से सफल होने के लिए कौशल विकास में निरन्तरता होनी आवश्यक है और उसके लिए ऐसे कार्यक्रमों से विद्यार्थियों को हर पल नया कुछ करने की प्रेरणा मिलती है। इस अवसर पर मुख्य अतिथि के रूप में कार्यशाला से जुड़ी कुरुक्षेत्र विश्वविद्यालय की डीन अकेडमिक अफेयर्स प्रो. मंजुला चौधरी ने कहा कि संगीत एक पवित्र कला है इसमें शास्त्र के साथ साथ प्रायोगिक पक्ष भी

अत्यंत महत्वपूर्ण है। संगीत विभाग द्वारा आयोजित कार्यक्रमों में यह कार्यशाला भी एक महत्वपूर्ण कड़ी है जिससे विद्यार्थियों में कौशल विकास के प्रति रुझान बढ़ेगा। प्रातःकालीन सत्र में सुप्रसिद्ध तबला नवाज ड. विजयशंकर मिश्र ने संगीत के व्यावसायिक प्ष्टिकोण पर प्रकाश डाला। संगीत उद्योग में सफल होने के लिए विद्यार्थियों को बीज मंत्र दिए। उन्होंने व्यवसायिकता से अपना संबंध जोड़ने के लिए रियाज की आवश्यकता पर बल दिया। संगीत चिकित्सा पर भी उन्होंने प्रकाश डाला। कोरोना काल में संगीत की दशा और दिशा पर भी उन्होंने बात की। नवयुवाओं को संगीत में रोजगार पैदा करने के लिए साधना करने के लिए प्रेरित किया और कहा कि इतना अभ्यास करो कि तुम्हें रोजगार ना तलाशना पड़े बल्कि रोजगार ही तुम्हें तलाश ले। सही मायने में तभी संगीत को व्यवसायिकृत किया जा सकता है। इस सत्र में ड. ज्ञान सागर सिंह ने मंच संचालन किया और सत्रांत में संगीत विभाग की प्रोफेसर शुचिस्मिता शर्मा ने ड. विजयशंकर मिश्र का और समस्त प्रतिभागियों का धन्यवाद किया। सांयकालीन सत्र में प्रतिष्ठित गायक और हारमोनियम विशेषज्ञ ड. दिनकर शर्मा ने प्रतिभागियों के कला-कौशल में वृद्धि की। उन्होंने विदेशों में संगीत की शिक्षण प्रणाली पर भी प्रकाश डाला और अपनी शिक्षण प्रणाली को अपग्रेड करने पर भी बल दिया। उन्होंने हारमोनियम और गायकी का रियाज करने की तकनीक पर बड़े ही विस्तार से प्रकाश डाला। वाइस कल्चर के द्वारा अपनी आवाज को किस प्रकार सुधारा जा सकता है, इस बात पर खुलकर बात की और प्रतिभागियों की तमाम संगीत जिज्ञासाओं का समाधान किया। इस अवसर पर ड. दीपक शर्मा ने कार्यशाला का संचालन किया। कार्यशाला के अन्त में प्रोफेसर शुचिस्मिता शर्मा ने कार्यशाला से जुड़े सभी विशेषज्ञों और प्रतिभागियों का धन्यवाद किया। इस अवसर पर संगीत एवं नृत्य विभाग की अध्यक्ष ड. आरती श्योकन्द ने कहा कि कोरोना काल में अश्वनलाइन कक्षाएं लगाने वाले विद्यार्थियों के लिए यह एक महत्वपूर्ण अवसर है कि अपने हुनर को निखार सकते हैं और संगीत उद्योग में अपनी प्रतिभा के बल पर प्रवेश कर सकते हैं और उसमें सफल हो सकते हैं।



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Vice-Chan... ⋮



Amritpal ⋮



chairperson ⋮



Dean, Fac... ⋮



Dr. Ashok ⋮



Jai ⋮



You



M 135 others



*Aarti Shrivastava*  
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Dept. of Health & Science  
Kurukshetra University  
KURUKSHETRA-136119



# Department of Music & Dance

In Association With

(K.U. CENTRE FOR TRAINING INTERNSHIP AND  
EMPLOYMENT, KURUKSHETRA UNIVERSITY KURUKSHETRA  
IS ORGANIZING "SOFT SKILL AND EMPLOYABILITY  
ENHANCEMENT OF STUDENTS IN THE MUSIC INDUSTRY"

19<sup>TH</sup> JAN, 2022 TO 20<sup>TH</sup> JAN, 2022

दो दिवसीय कार्यशाला का आरम्भ कुरुक्षेत्र विश्वविद्यालय में ऑनलाइन के (Google meet) के माध्यम से प्रातः 11:00 बजे कुलगीत 'वेदभूमि यह कर्म भूमि है, ज्ञान भक्ति का अमित रूप है' से हुआ। तत्पश्चात् कार्यशाला का आरम्भ मुख्य अतिथि कुरुक्षेत्र विश्वविद्यालय के कुलपति प्रो० सोमनाथ सचिदेवा जी को आमंत्रित किया गया जिनका अभिनन्दन अध्यक्ष महोदया डॉ० आरती श्योकन्द जी एवं आभार डीन प्रो० सुचिरिस्मिता शर्मा जी ने किया। कार्यशाला का संचालन डॉ० अशोक शर्मा जी (सहायक प्राध्यापक) ने प्रथम प्रवक्ता डॉ० अमृत पाल सिंह जी को आमंत्रित किया। डॉ० अमृत पाल सिंह जी, राजीव गाँधी गवर्नमेंट कालेज साहा (अंबाला) हरियाणा में प्रिंसिपल के पद पर कार्यरत थे। आपने हरियाणा सहित अन्य स्थानों पर भी व्याख्यान प्रस्तुत किया है। आपने गायन विधा में एम०ए० की डिग्री प्राप्त की साथ ही विशारद भी किया। आल इंडिया रेडियो एवं दूरदर्शन पर भी अनेकों प्रस्तुतियाँ दी।

आपका वक्तव्य बहुत ही सुन्दर रहा, आपने विषय "Soft Skill and Employability Enhancement of Students in the Music Industry" पर विभिन्न मार्ग प्रशस्त किये। अनेकों अलंकारों के माध्यम से यह बताया कि किस प्रकार विद्यार्थी कोई भी गीत कम्पोज कर सकते हैं, नयी-नयी धुन तैयार कर सकते हैं। आपके बताने का तरीका इतना सहज था कि जो विद्यार्थी संगीत से न जुड़ा हो उसे भी स्पष्ट समझ आ जाये। आपने रफी साहब का गीत 'आवारा मांझी जायेगा कहा, अरमानों भरा दिल, चाहे तो डुबो दो, चाहे बचा लो' भी गाया और उसमें स्वरों के

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अनेकों पुरस्कार से नवाजा जा चुका है। आपका वक्तव्य सभी विद्यार्थियों के लिए लाभान्वित रहा। इस सत्र का धन्यवाद ज्ञापन प्रो० शुचिस्मिता शर्मा जी ने एवं समापन प्रो० अशोक शर्मा जी ने किया।

इसी क्रम के दूसरे सत्र का आरम्भ दोपहर 2:15 बजे डॉ० मुनीश कुमार जी (सहायक प्रध्यापक) के द्वारा किया गया जिसमें आपने कुरुक्षेत्र विश्वविद्यालय के एल्यूमिनाई छात्र श्री जय खन्ना जी को आमंत्रित किया। श्री जय खन्ना जी वर्तमान समय में मुम्बई में संगीत निर्देशन एवं कम्पोजर के रूप में कार्यरत हैं। विषयानुरूप आपने वक्तव्य में सांगीतिक शिक्षा में रोजगार के अवसर को बढ़ाने हेतु बताया कि संगीत की शिक्षा के साथ-साथ निर्देशन की भी शिक्षा की व्यवस्था की जानी चाहिए। क्योंकि छात्र संगीत की शिक्षा तो प्राप्त कर लेता किन्तु निर्देशन के क्षेत्र में उसका प्रयोग कैसे करें इसमें अनेक समस्याओं का सामना करना पड़ जाता है।

आपने बताया कि कैसे आपने लघु-शोध (M.Phil.) करने हेतु संगीत निर्देशन को अपना विषय बनाया और साक्षात्कार हेतु श्री लक्ष्मीकांत जी, रवि जी एवं ओ०पी० नैयर आदि कैसे बड़े-बड़े कलाकारों से मिलने का अवसर प्राप्त हुआ। आपका कहना है कि विश्वविद्यालयों में कलाकार नहीं बनाये जा सकते। आपने सांगीतिक शिक्षा में कम्पोजर, अरेंजर, निर्देशन की शिक्षा की व्यवस्था पर ध्यान देने का सुझाव भी दिया।

सपना अवस्थी, साधना सरगम आदि विभिन्न ऐसे शिष्ययत है जिनके साथ आपने सफल निर्देशन किया। सत्र का समापन डॉ० मुनीश जी एवं धन्यवाद ज्ञापन डीन महोदया प्रो० शुचिस्मिता जी के द्वारा किया गया।

प्रथम दिवस दोनों ही सत्रों में कम से कम दो सौ से ढाई सौ विद्यार्थी जुड़े रहे और कार्यशाला से लाभान्वित हुए। छात्रों ने अपने प्रश्नों का उत्तर प्राप्त कर अपनी जिज्ञासाओं को भी शान्त किया।

द्वितीय दिवस 20/01/2022 का प्रथम सत्र पुनः प्रातः 11:00 बजे कुरुक्षेत्र विश्वविद्यालय के कुलगीत 'देवभूमि यह कर्म भूमि है, ज्ञान भक्ति का अमिट रूप है' से



का संचालन पद ग्रहण करते हुए, प्रथम वक्ता पं० विजय शंकर मिश्र (बनारस) जी को आमंत्रित किया। आप बहुत प्रसिद्ध तबला वादक हैं साथ ही आपने इस क्षेत्र में छः किताबें भी लिखी हैं। आपने गुरु रूप में अपने पिता शिरोमणि तबला वादक पं० गामा महाराज जी से शिक्षा प्राप्त की। आपने इस क्षेत्र में अविमरणीय कार्य किये। आपको अनेकों सम्मान प्राप्त हुए जैसे एच०आर०डी० मिनिस्ट्री से सुश्री स्मृति ईरानी जी से सम्मान, जूनियर एवं सीनियर फेलोशिप, मिनिस्ट्री ऑफ ह्यूमन रिसोर्सेस डेवेलोपमेंट, गवर्नमेंट ऑफ इण्डिया इत्यादि।

आपने रोजगार के अवसर के साथ-साथ विषयों को रियाज़ करने के लिए भी महत्वपूर्ण सुझाव दिये तथा रोजगार के अवसर कैसे उत्पन्न कर सकते हैं इस पर भी विस्तार से चर्चा की। आपने सत्र का आरम्भ एक कहानी के माध्यम से किया साथ ही यह भी बताया कि यदि सरस्वती और लक्ष्मी दोनों की इच्छा रखते हैं तो गणेश अर्थात् धन और बुद्धि के देवता को साध लीजिये अर्थात् आपका रियाज़ (अभ्यास) ही आपको रोजगार के अवसर प्राप्त कराता है। इस संदर्भ में आपने विभिन्न उदा० प्रस्तुत किये जैसे- प्रसिद्ध गायक बैजू बावरा ने ध्रुपद का आविष्कार किया किंतु राजा मान सिंह ने उसका प्रचार-प्रसार किया चूंकि धन की आवश्यकता होने के कारण उसे उन्होंने बेच दिया, इसी प्रकार राग तोड़ी का आविष्कार करने पर धन की आवश्यकता होने पर उसे गिरवी रख दिया। रागों को धन से भी ज़्यादा मूल्यवान बताया जो समय आने पर वह इस प्रकार मददगार साबित हुआ। यह व्यवसाय ही था।

इसी क्रम में सदारंग-अदारंग जी जो प्रसिद्ध ध्रुपद गायक थे बाद में ख्याल शैली का भी गायन आरम्भ किया। आपने संगीत-नृत्य सभी विधाओं की बात करते हुए यह स्पष्ट किया कि जब बड़ोदरा में महाराजा सयाजीराव विश्वविद्यालय, वाराणसी-काशी संगीत समाज, ग्वालियर-राजा मान सिंह तोमर, प्रयाग-प्रयाग संगीत समिति एवं चंडीगढ़ में प्राचीन कला केन्द्र तथा आकाशवाणी की स्थापना हुई तो पं० अच्छन महाराज, पं० शम्भू महाराज, बेगम अख्तर, अहमद जान थिरकेवा, पं० विष्णु दिगम्बर आदि बड़े-बड़े कलाकारों को गुरु के पद पर कार्य करने हेतु बुलाया जिन्होंने अनेक विषयों को रियाज़ किया। यह कलाओं का अविमरणीय कार्य ही था।



लगा साथ ही पुस्तकें भी लिखी जाने लगी। इसे शास्त्र के साथ-साथ विज्ञान भी बताया।

आपने वक्तव्य के दौरान यह भी कहा कि यह कला मात्र घरानेदारों की जागीर नहीं है। इन संस्थाओं के अतिरिक्त केन्द्रीय विद्यालय, महाविद्यालय, विश्वविद्यालय आदि स्थान पर भी काम करने के सु-अवसर हैं।

वक्तव्य के दौरान आपने इस ओर भी दृष्टि की कि विश्वविद्यालय में कलाकार नहीं बन सकते हैं किन्तु उसका कारण भी स्पष्ट किया कि विज्ञान एवं अन्य विषय के छात्र बाराहवीं पास करके बी०ए० में आते हैं किन्तु संगीत की शिक्षा में ऐसा नहीं है यह विडम्बना है गायन, वादन या नृत्य में बिना पूर्व शिक्षा अथवा डिप्लोमा के बी०ए० में प्रवेश मिल जाता है जहाँ पर आपको आगे बढ़ने की शिक्षा प्राप्त करनी है वहाँ अपनी शिक्षा का आरम्भ कर रहे होते हैं। तो समस्या तो आएगी ही।

वक्तव्य को बढ़ाते हुए आपने बताया कि टैगोर फेलोशिप-50,000/- से 80,000/-, संगीत नाटक अकादमी के द्वारा छात्रवृत्ति, पुस्तक लिखने और प्रकाशित करने के लिए भी संगीत नाटक अकादमी मदद करती है, भारत सरकार, आकाशवाणी आदि स्थानों पर भी दुर्गापूजा, श्री कृष्ण जन्माष्टमी आदि अवसरों पर भी लेख प्रस्तुत किये जाते हैं।

आपने सिनेमा में भी अनेक अवसर सुझाएँ जैसे फिल्मों में काम एवं विभिन्न विज्ञापनों में संगीत आवश्यकता पर प्रकाश डाला। इसी क्रम में संगीत चिकित्सा की भी चर्चा की साथ सुझाव भी दिया कि विभिन्न अस्पतालों प्रातः 8 बजे से सायं 8 बजे विलम्बित ध्वनि में बजाया जाये तो उससे नींद बहुत अच्छी आती है नींद की दवा लेने की आवश्यकता भी नहीं होगी। उच्च रक्तचाप की समस्या में शान्त और श्रृंगारिक गीत तथा निम्न रक्तचाप में तेज संगीत सुनना चाहिए।

वर्तमान समय की समस्या को देखते हुए (Covid-19) Online ऑनलाइन शिक्षण प्रक्रिया को बहुत उपयोगी बताया।

संगीत में व्यवसाय को देखने हेतु आपने शिष्यों को कहा कि आँखों से पट्टी खोलिए अर्थात् रियाज़/अभ्यास में ही आपका समाधान छुपा है। राग एवं बंदिशें बेशकीमती हीरे हैं। ऐसे अनेक कलाकार एम०एस० सुब्बा सक्मी, लता जी, अनिय विस्वास, पं० सामता प्रसाद जी एवं उस्ताद विस्मिता खाँ साहब आदि अनेक ऐसे उत्कृष्ट कलाकार हैं जिन्होंने संघर्षपूर्ण जीवन जीते हुए अभ्यास किया और इस मुकाम पर पहुँचे।

उस्ताद मो० हरीफा खाँ जी के बारे में बताया कि उन्हें दहेज में कायदे, गत आदि मिले थे। इससे अंदाजा लगाया जा सकता है कि गाड़ी बंगला, बैंक बैलेंस से अधिक मूल्यवान हमारा अभ्यास है।

आपने अपनी पुस्तक का भी जिक्र किया जिसमें ऐसी बंदिशों का संग्रह है जो बहुत ही कठिनाईयों से प्राप्त होती है।

आपके वक्तव्य से स्पष्ट हो रहा था कि आप कितने गुणी एवं सहज कलाकार हैं।

औपचारिकता धन्यवाद प्रो० शुचिस्मिता मैम एवं समापन डॉ० ज्ञान सागर सिंह जी के द्वारा किया गया।

द्वितीय दिवस के दूसरे सत्र का आरम्भ डॉ० दीपक शर्मा द्वारा डॉ० दिनकर शर्मा जी को आमंत्रित किया गया। आप पटियाला घराने के उस्ताद भूरे खाँ साहिब जी के शिष्य, 'A' ग्रेड कलाकार सुगम संगीत गजल एवं 'B' हाई ग्रेड हरिमोनियम (शास्त्रीय) ऑल इण्डिया रेडियो एवं दूरदर्शन। आपने देश-विदेश, बॉलीवूड के साथ ही बड़े-बड़े कलाकारों के साथ सफल प्रदर्शन किये। आपने अनेकों उपलब्धियाँ प्राप्त की हैं। आपने अपने वक्तव्य को अनुभव के माध्यम से साझा किया। जब आप अमेरिका गये तो वहाँ देखा कि 15 से 20 वर्ष के छात्र भी बहुत सुर में गा रहे थे और उसी प्रकार वाद्य भी बजा रहे थे। सबसे अच्छी बात यह है कि पाश्चात्य संगीत सभी स्थान पर एक ही जैसा विद्यमान है जैस पेरिस, लंदन, जापान आदि स्थानों पर लिपिबद्ध करने की शैली एक ही जैसे है, उसमें भिन्नता नहीं है। आपने विश्वविद्यालय, विद्यालय में इस प्रक्रिया



को सम्मिलित किया जाना चाहिए ऐसा कहा आपके अनुसार सही समय पर उचित मार्गदर्शन बहुत महत्वपूर्ण है।

आपने भी अन्य आदरणीय गुरुजनों की भांति विभिन्न पक्षों को हम सबके समक्ष रखा जैसे म्यूजिक अरेंजर, डबिंग डायरेक्टर जो यह बताते हैं कि गायक को जितना तेज बोलना है, कहाँ हँसकर बोलना है, कहाँ पंचिग चाहिए यह सब काम होते हैं। एक विद्यार्थी को गाने के साथ-साथ वेस्टर्न रिदम, मेलोडी, हारमनी, राग यमन में क्या स्वर होगा, वाइस कल्चर अर्थात् काकू प्रयोग आना चाहिए। लड़कियों के गाने के लिए मेल स्केल पहला काला, दूसरा काला बताया। स नि ध प म आदि स्वरों के माध्यम से खरज के प्रयोग बताया। सा रे ग म प ध नि सा स्वरों के माध्यम से केवल तीव्र करना, आलाप आकार के माध्यम से सरगम का रियाज बताया। आपने सुर को कैसे साधे यह भी स्पष्ट किया-

Base,	Mid,	High
↓	↓	↓
नाभि, पेट से	छाती, गले	Headnote

माथे से होता हुआ नाक  
के द्वारा स्वर का प्रयोग

आपने एस०बी० बालासुद्रमण्यम, आर०डी० बर्मन आदि के साथ भी काम किया। अभ्यास के समय हरि ओम् शब्द के उच्चारण पर भी गाकर बताया। नाभि, छाति, गला (मुँह) माथा, नाक से ध्वनि कैसे उत्पन्न करें। आ जा, आ जा जुदा न होंगे हम गीत गाया तथा (वाइस कल्चर) काकू प्रयोग समझाया। प ध नी प ध नी ग म अलंकारों के माध्यम से खरज का प्रयोग स्पष्ट किया। स स रे ग ये कहा आ गये गीत प्रस्तुत किया। आपने कृष्णमत-शिवमत के साथ ध्रुप्रद, ख्याल, टप्पा, ठुमरी, देशभक्ति आदि गायन शैलियों में क्या रंग होना चाहिए इस पर भी चर्चा की एवं इसके महत्व को बताया।

कहखा के प्रकार (i) धिंतक धिं ता ता धिन (ii) धिन धिन धिनक तिन तिन तिनक



जिससे जुड़े सभी लोग बहुत लाभान्वित हुए। दो दिवसीय कार्यशाला के समापन की मुख्य अतिथि प्रो० मंजूला चौधरी (Dean of Academic), डॉ० संजीव शर्मा जी (Registrar), गेस्ट ऑफ ऑनर ने प्रोत्साहन स्वरूप शब्द बोले साथ ही इतने सुन्दर आयोजन के लिए संगीत एवं नृत्य विभाग को बहुत-2 बधाई दी।

कुलपति डॉ० सोमनाथ सचदेवा जी ने उपस्थित रहकर कार्यशाला की गरिमा बढ़ाई। अध्यक्ष महोदया डॉ० आरती श्योकन्द जी ने समापन ज्ञापन दिया, एवं डीन महोदया, प्रो० शुचिरिम्ता जी ने धन्यवाद ज्ञापन दिया तथा डॉ० दीपक शर्मा जी ने सभी का धन्यवाद एवं साभार प्रकट कर कार्यशाला का समापन किया।

Arati Shukla  
Chairperson  
Deptt. of Music & Dance  
Kurukshetra University  
KURUKSHETRA-136119



DEPARTMENT OF MUSIC & DANCE  
IN ASSOCIATION WITH  
K.U. CENTRE FOR TRAINING INTERNSHIP AND EMPLOYMENT  
KURUKSHETRA UNIVERSITY, KURUKSHETRA



Invites you to  
**ONLINE TRAINING WORKSHOP**  
on

**“ SOFT SKILLS AND EMPLOYABILITY ENHANCEMENT OF STUDENTS IN THE MUSIC INDUSTRY”**  
19th January-to- 20th January , 2022



Chief Guest  
Prof. **Manjula Chaudhary**  
Dean Academic Affairs, KUK

**VALEDICTORY PROGRAM**

20<sup>th</sup> January, 2022  
03:30 PM to onwards



Guest of Honor  
Dr. **SANJEEV SHARMA**  
REGISTRAR · KUK

Coordinator  
Prof. **Shuchismita**  
Dean, Indic studies

Org. Secretary  
Dr **Harwinder Singh Longowal**

Co-convener  
Dr **Ashok Kumar Sharma**

Convener  
Dr **Aarti Sheokand**  
Chairperson

*Aarti Sheokand*  
Chairperson  
Deptt. of Music & Dance  
KuruKshetra University,  
KURUKSHETRA-136119

5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution

1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
Data Analysis Using R	7/2/2019, 8/2/2019, 9/2/2019		UGC-HRDC,KUK
Advance Excel Analytics	7/12/2019, 8/12/2019	60	USM,KUK
Systematic Literature Review	02-09-20	44	USM,KUK
Soft Skills for Corporate Jobs by Ms. Madhuri Soni	27/8/2020	100	USM,KUK
Motivational Talk by Mr.Anurag Rishi	25/11/2021	120	USM,KUK
Corporate Talk by Ms. Surbhi	26/11/2021	120	USM,KUK
Art of Living by Mr. Sanchit Jain	27/11/2021	120	USM,KUK

  
Chairperson  
University School of Management  
Kannikshetra University,  
KANNIKSHETRA-136119.



**INVITATION**

**University School of Management**

Is organizing

'One Day Workshop'

on

**"ADVANCED EXCEL TECHNIQUES IN RESEARCH"**

**Speaker: Dr. Ashwani Kumar**

(Assistant Professor, Deptt. of Humanities & Social Sciences, NIT Kurukshetra)

**Schedule**

- **Date & Timing:** 20<sup>th</sup> March, 2018 & 11 A.M. to 1 P.M.
- **Venue:** Seminar Hall, USM (KUK)
- **Mode of registration:** Google Docs (<https://goo.gl/forms/WLCQcnHosdBlwMy23>)
- **Participants:** All the students of MBA final year (A, B & SFS)
- **No. of Seats:** 60 i.e. 20 from each section (FIRST COME FIRST SERVE)
- **Last date of Registration:** Till evening of 18<sup>th</sup> March, 2018.

\*Hand on practice session will be there. Every student should bring laptop.

**Student Coordinator**

Rohit Garg (MBA SFS FINAL)- 8607026801

Kartik (MBA B FINAL)-8397830304

Dhanesh (MBA A FINAL)-9034958604

**Faculty Coordinator**

Dr. Pradeepka

Dr. Manisha

**Note: Certificates will be provided to the attendees.**

  
**Chairperson**  
University School of Management  
Kurukshetra University,  
Kurukshetra-136119.

  
16/3/18  
**(CHAIRPERSON)**

**UNIVERSITY SCHOOL OF MANAGEMENT  
KURUKSHETRA UNIVERSITY KURUKSHETRA**  
(Established by the State Legislature Act 132 of 1986)  
(1st Grade, NAAC, Accredited)

No. 1998/18 407  
Dated 8/5/19

**Subject: One-Day Workshop on Advanced Excel Techniques in Research.**

The University School of Management plans to organize one-day workshop on 'Advanced Excel Techniques in Research' on 20th March 2019 from 11-00 am to 01-00 pm. Dr. Adwan Kumar, Assistant Professor Department of Humanities & Social Sciences, NIT Kurukshetra will conduct workshop for our students and faculty. This will help our final year students in doing analyses in their research project, which is a part of their curriculum and would enhance the employability skills of our students.

The details of expenditure to be incurred on the event are as follows:

Honorarium (at Rs. 2000 per session) for 2 sessions -Rs. 2000-

The Finance Officer is requested to accord the financial approval for Rs. 2000/- as temporary advance and administrative approval from the competent authority. The payment would be made out of the Budget Head "702.001 Training and Placement Activities (SPS) 2017-18".

Submitted for approval, please.

*[Signature]*  
CHAIRPERSON

**FINANCE OFFICER**

*[Handwritten signature]*  
5/5/19

*Done with the chairperson - USM may kindly be passed.*  
*The Chairperson should have but not see file for organizing the workshop well in advance whereas the same has been received in the Accounts Branch today i.e. on 11-05-19.*  
*Keeping in view of above request, advance may be placed before the Registrar for consideration and order. Please.*

R.U. KURUKSHETRA  
10 MAR 2019  
Diary No. 1030



*[Handwritten signatures and dates]*  
Amit Kaur 11-05-19  
Rajendra 20/5/18  
Rajendra 20/5/18  
Rajendra 20/5/18

Chairperson  
University School of Management  
Kurukshetra University  
RUKSHETRA



UNIVERSITY SCHOOL OF MANAGEMENT  
KURUKSHETRA UNIVERSITY KURUKSHETRA  
(Established by the State Legislature Act VII of 1956)  
(Approved by UGC)

No. USMT/ 410  
Date 25/2/19

University School of Management has organized 1 days Workshop  
Research Methodology for Ph.D. M.Phil. Scholars from 07.02.2019 to 09.02.2019. After  
completion of the workshop the total expenditure incurred by the University School of  
Management during the workshop is Rs. 17446/- out of temporary advance of Rs. 100000/- the  
balance amount is given below:-

Salary of Resource person	Rs. 17420
Salary of Resource person	Rs. 2500
Concession paid to Resource persons	Rs. 15000
Concession to 40 participants @ 40 per day	Rs. 4800
Food for 40 participants	Rs. 12000
Travel Expenses	Rs. 5854
Other expenditure	Rs. 57554
Temp. Advance	Rs. 42446
Balance	Rs. 100000

In view of the above the Finance Officer is requested kindly to accord financial sanction  
for the total expenditure of Rs. 57554 and also allow us to adjust temporary advance of Rs.  
100000/- from the Audit Branch.

*[Handwritten signatures and initials]*  
FINANCE OFFICER

CHIEF CLERK  
25/2/19

reference orders of the vice. chancellor  
at no 2 code and above code of the chairman, USM  
may kindly be perused.

The case for adjustment of Temp. advance  
of ₹ 1,00,000/- has been checked and found in order  
and is submitted for final consideration and  
approval of the finance officer.

*[Handwritten signature]*  
5-3-19

USM BRANCH AVUL  
KURUKSHETRA  
15 FEB 2019  
8670  
L. DRY NO.

Chairperson  
University School of Management  
Kurukshetra University,  
KURUKSHETRA - 136119  
*[Handwritten signatures: Anil Rani, 06-2-19, etc.]*



UNIVERSITY SCHOOL OF MANAGEMENT  
KURUKSHETRA UNIVERSITY, KURUKSHETRA

No USM 478  
Date 30/05/2019

From Pre-page

ACCOUNTS OFFICER  
K.U. VIDE  
50/05/19  
RGS  
Diary No. ....

It is submitted that a sum of Rs. 57,554/- has been drawn from University School of Management at No. 2 for the conduct of three-day Workshop on Research Methodology. The advance was charged against the budget head No. 926 001 2018-19.

In this regard, a sum of Rs. 57,554/- was incurred on the conduct of the said Workshop and the balance amount of Rs. 47,446/- was deposited in the University Account in the OBC, K. U. K. vide Scroll No. 2162 dated 13.2.2019.

The case for adjustment of temporary advance was submitted for consideration and it was given to understand that said budget head (926 001) has been re-named as 929 001 in the new budget, 2019-20.

In view of the above, it is submitted that the temporary advance under reference drawn against Budget Head 926 001 (2018-19) may be considered for adjustment against the re-named Budget Head 929 001 (2019-20).

*[Handwritten signature]*  
20/5/19

FINANCE OFFICER

*[Handwritten signature]*  
20/5/19

In view of the above, it is submitted that the temporary advance under reference drawn against Budget Head 926 001 (2018-19) may be considered for adjustment against the re-named Budget Head 929 001 (2019-20).

*[Handwritten signature]*  
20/5/19

*[Handwritten signature]*  
03/05/19

Chairperson  
University School of Management  
Kurukshetra University,  
KURUKSHETRA-136119.

As per the account of university account code, the  
Expenditure pertaining to be got approved  
from the Registrar within a month, hence the  
same may be done. ~~for~~ 2019

To ~~the~~ ~~the~~ ~~the~~ strength of the participants,  
several ~~of~~ ~~the~~ ~~the~~ staff members who  
attended ~~the~~ ~~the~~ ~~the~~ workshop.

15 MAY 2019  
8670  
Diary No. ....

for 15/5/19.

R/S

15/5

15/5

J.D. (Audit)

Chairman

The case submitted for the kind consideration  
and approval of the Registrar for actual exp.  
incurred <sup>(at no. 3)</sup> on the conduct of the workshop as detailed  
by the J.D. (Audit) above.

Registrar

ADJUSTED

15.5.2019

15/5

15/5

15/5/19

Chairperson  
University School of Management  
Kurukshetra University,  
KURUKSHETRA 136119.

- next page



Subject: Organization of 3 days Workshop and sanction of expenditure of Rs. 1,00,000/- (Rs. One Lakh) for Ph.D.M. Phil Scholars on the course and drawal of temporary advance.

It is stated that 3 days Workshop on Research Methodology for Ph.D.M. Phil Scholars commencing from 07-02-2019 to 09-02-2019 is going to be organized in the UGC - Human Resource Development Centre. In this Workshop, approximately 50-60 teacher-participants will be invited to participate. Besides the teacher-participants, the resource persons are also invited to deliver the lectures of the Workshop.

We have to make the spot payment of T.A./D.A. to the resource persons according to the University Rules UGC guidelines. A temporary advance of approximate amount of Rs. 1,00,000/- (Rs. One Lakh) is required for this purpose. Details given below:-

**Honorarium to Resource Persons:** Honorarium to resource persons will be paid @ Rs. 1500/- per person per session. Only two lectures per session are allowed to a resource person subject to a maximum of Rs. 6000/- per course (Flag-B).

**Daily Allowance:** Daily Allowance to outstation resource persons will be @ Rs. 1000/- per day (Flag-C).

**Travel to/from Airport/Railway Station/Rail Road Taxi/Own Car:** The Central Govt. Rules (Flag-D).

**T.A./D.A./Hospitality charges to Outstation Teacher-Participants:** T.A./D.A. will be provided to the Research Scholars. The teacher-participants will be served hospitality (refreshment, lunch).

**Additional Working Expenses:** Rs. 30,000/- for each RC in science subjects and Rs. 30,000/- for each RC in non-science subjects, Rs. 40,000/- for each RC in science subjects and Rs. 40,000/- for each RC in non-science subjects. To cover expenditure on postage, stationery, printing, purchase of chemicals, small items of equipment, etc. for setting evaluation.

In view of the above the Vice-Chancellor may kindly be requested to grant administrative approval of the expenditure to be incurred for grant of temporary advance of Rs. 1,00,000/- (Rs. One Lakh) to the University School of Management, K.U.K. out of budget head-926.00 for participants cost of the necessary funds of Rs. 13,10,451/- for the year 2018-2019. The Administrative approval and total expenditure involved in the year 2018-2019 of the Vice-Chancellor has already been obtained. The whole amount will be drawn in one lot, but according to the requirement as detailed below.

Chairperson, University School of Management, K.U.K.

Two Cheques of Rs. 50,000/- each  
Submitted for consideration and approval, please

Supdt. Rely. (HRD)  
Director (HRDC)  
Finance Officer  
Vice-Chancellor

Chairperson  
University School of Management  
Kurukshetra University,  
KURUKSHETRA-136119.

HRDC-2/3208  
27-2-2019

ACCOUNTS  
K.U. KURUKSHETRA  
79 JAN 10  
Diary No.

RS. 1,00,000/-

HRDC-II



ACCOUNTS BRANCH M.S.  
K.U. KASHI/SHETRA  
01 FEB 2019  
217-  
Diary No.....

3104  
1-2-19

1637-0  
42-19

1-2-19

It is proposed by Director, HRDC, KUK at N.P. ante marked at 'X' regarding the proposal for organizing of 3 Days Workshop on Research Methodology for Ph.D. M.Phil. Scholars from 07.02.2019 to 09.02.2019 and sanction of a sum of temporary advance of Rs. 1,00,000/- may be placed before the Vice-Chancellor for kind consideration and orders. If the same meets approval the proposed expenditures will be incurred out of Budget Head 924/001 Participants cost + working expenses 2018-19 as per Univ./UGC approved norms please

*[Signature]*  
1,00,000/-  
Clerk/Asstt  
Kashishetra

*[Signature]*  
06/2/19

*[Signature]*  
01/02/19

Supd Account III  
1-2-19

Registrar  
*[Signature]*  
4/2/19

VC

*[Signature]*  
1-2-19

HRDC-110-  
3294  
5-2-19

Prof. S. S. S. S.  
*[Signature]*  
5/2/19

10

Administration  
sp2

*[Signature]*  
5/2/19

Director  
HRDC  
5/2/19

Chairperson  
University School of Management  
Kashishetra University,  
KURUSHETRA-136119.

Chairman  
Univ. School of Management  
K U

List of resource Persons for 3-days Workshop on "Research Methodology" for  
Ph.D./M.Phil. Scholars from 07-02-2019 to 09-02-2019.

1. Dr. Bhagat Singh, Assistant Professor of ICFAI Business School, Gurgaon.
2. Dr. Suresh Kumar, Professor of Punjabi University, Chandigarh.
3. Dr. Chirag Malik, Professor of ICFAI Business School.
4. Dr. Manoj Diwakar, Assistant Professor JNU, New Delhi.
5. Dr. Neeraj Kaushik, Assistant Professor, Nit Kurukshetra.

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Kurukshetra University,  
KURUKSHETRA-136119



WORKSHOP ON RESEARCH METHODOLOGY FOR PH.D/M.PHIL. RESEARCH SCHOLARS ON  
TO BE HELD FROM 07-02-2019 TO 09-02-2019

1. Mr. Sahil Kapoor,  
Research Scholar,  
University School of Management,  
Kurukshetra University, Kurukshetra  
082956-70707-sahil1000kapoor@gmail.com
2. Ms Rajni Chugh,  
Research Scholar,  
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Kurukshetra University, Kurukshetra  
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3. Mrs. Chetna Arora,  
Research Scholar,  
University School of Management,  
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4. Ms Manisha Chauhan,  
Research Scholar,  
University School of Management,  
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5. Ms Savita Devi,  
Research Scholar,  
University School of Management,  
Kurukshetra University, Kurukshetra  
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6. Mr. Shubham Kumar,  
Research Scholar,  
University School of Management,  
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7. Ms Shivani, Research Scholar,  
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9. Mr. Rajesh Kumar,  
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10. Ms Meenakshi Sharma,  
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University School of Management,  
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11. Mr. Krishan Garg,  
Research Scholar,  
University School of Management,  
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12. Mr. Ajay Kumar,  
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University School of Management,  
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13. Ms Poonam Rani,  
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14. Mr. Devkaran Singh,  
Research Scholar,  
Department of Psychology,  
Kurukshetra University, Kurukshetra  
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15. Ms Kalpana,  
Research Scholar,  
Department of Zoology,  
Kurukshetra University, Kurukshetra  
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16. Ms Jyoti, Research Scholar,  
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17. Ms Preeti Rani,  
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18. Mr. Ajay Kumar,  
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Kurukshetra University,  
KURUKSHETRA-135119

09/02



**LIST OF RESEARCH SCHOLARS INVITED FOR  
 WORKSHOP ON RESEARCH METHODOLOGY FOR PH.D/M.PHIL. RESEARCH SCHOLARS  
 TO BE HELD FROM 07-02-2019 TO 09-02-2019**


- M. Swati Priya,  
 Research Scholar,  
 Department of Botany,  
 Kurukshetra University, Kurukshetra  
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20. Ms Kanchan Kishor Rawat,  
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21. Ms Jyotsna Yadav,  
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22. Mr. Harish Kumar,  
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23. Mrs. Nisha Choudhary,  
 Research Scholar,  
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 sadathussain248@gmail.com
25. Ms Jyotishana Bharti,  
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26. Mr. Saroj Kumar Das,  
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27. Ms Meena Rani,  
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28. Mrs. Ranjeeta,  
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29. Mrs. Poonam Yadav,  
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30. Mrs. Shama Luthra,  
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31. Ms Shruuti Balhara,  
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32. Ms Rinku,  
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 University of Science & Technology, Hisar  
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33. Ms Neetu Malhan,  
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 Department of Management Studies,  
 Bhagat Phool Singh Mahila Vishwavidyalaya,  
 Khanpur Kalan (Sonapat)  
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34. Ms Sangeeta Rani,  
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35. Ms Sudesh Sheoran,  
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 Department of Management Studies,  
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 080594-98708-sdsh.shrn@gmail.com

  
**Chairperson**  
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 Kurukshetra

LIST OF RESEARCH SCHOLARS INVITED FOR  
 WORKSHOP ON RESEARCH METHODOLOGY FOR PH.D/M.PHIL. RESEARCH SCHOLARS ON  
 TO BE HELD FROM 07-02-2019 TO 09-02-2019

- 6 Mr. Buzeye,  
 Research Scholar,  
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 Punjabi University, Patiala (Pb.)  
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37. Ms Gagandeep Kaur,  
 Research Scholar,  
 University School of Applied Management,  
 Punjabi University, Patiala (Pb.)  
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38. Ms Alice Njeri Nderi,  
 Research Scholar,  
 University School of Applied Management,  
 Punjabi University, Patiala (Pb.)  
 079018-91135
39. Ms Nayneet Kaur,  
 Research Scholar,  
 University School of Applied Management,  
 Punjabi University, Patiala (Pb.)  
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40. Ms Parvinder Kaur,  
 Research Scholar,  
 University School of Applied Management,  
 Punjabi University, Patiala (Pb.)  
 saini.parvinder80@gmail.com
41. Ms Muskan Sachdeva,  
 Research Scholar,  
 University School of Applied Management,  
 Punjabi University, Patiala (Pb.)  
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42. Mr. Petros,  
 Research Scholar,  
 School of Management Studies,  
 Punjabi University, Patiala (Pb.)  
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43. Mr. Harpreet Singh,  
 Research Scholar,  
 Department of Basic and Applied Sciences,  
 Punjabi University, Patiala (Pb.)  
 harpreetsingh\_24@gmail.com

  
 Chairperson  
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 Chairperson  
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List of Research Scholars for Research Methodology for PH.D/ M.Phil Research Scholars  
on "R" to be held on from 07-02-2019 to 09-02-2019

44	Mr. Sandeep Kumar, Dept. of Edu, KUK
45	Mr. Vineet Kumar, Dept. of Eco, KUK
46	Ms. Vaishnavi Garg, Dept. of Eco, KUK
47	Mr. Avinash, Dept. of Eco, KUK
48	Ms. Deepika Kathuria, Dept. of Mngt. Studies, BPSMV, Khanpur Kalan (Sonapat)
49	Mr. Tarun Saini, USM, KUK
50	Mr. Kamaljit Singh, USM, KUK
51	Mr. Amit, Dept. of Botany, KUK
52	Ms. Yashika, M.M. Institute of Mngt, Mullana(Ambala)
53	Mrs. Mandeep Kaur, M.M. Institute of Mngt, Mullana(Ambala)
54	Mrs. Deep Sharma, M.M. Institute of Mngt, Mullana(Ambala)
55	Ms. Ekta, Dept. of Commerce, KUK

120  
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12  
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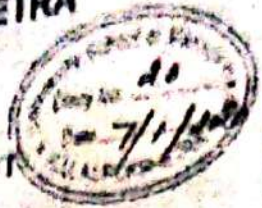
*[Signature]*  
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University School of Management  
Kurukshetra University,  
KURUKSHETRA-136119

*[Signature]*  
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**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
 (Established by the State Legislature Act XII of 1956)  
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**UNIVERSITY SCHOOL OF MANAGEMENT**

187/E  
07.01.20

The University School of Management is proposing to organize one day workshop on the topic "Systematic Literature Review" on February 02, 2020 (Sunday). Prof. Sanjeet Singh, Dean Research, Chandigarh University, Mohali (Punjab) has kindly consented to conduct this workshop at the Seminar Hall of University School of Management during 10.00-16.30 hours for three sessions.

The proposed workshop is necessitated for capacity building and strengthening the research ecosystem at the USM, KUK. The research scholars from the USM and other sister institution departments (not exceeding 40 in nos.) are expected to join this workshop as participants by contributing a token fee of Rs.250/- each. Junior research fellows, Ms. Aarti and Ms. Rupali shall moderate and facilitate this workshop at the USM on a self-financing basis.

The invited resource person, Prof. Sanjeet Singh shall be paid admissible honorarium of Rs.1000/- per session and will also be paid TADA as per rules adopted by the Kurukshetra University in this regard. Any deficit shall be borne by the participating scholars and any surplus shall be deposited with the university after adjusting for operational expenses as to the certification cost and light refreshment.

The proposal is submitted for consideration and approval of the worthy Vice-Chancellor.

*Handwritten signature*  
Vice-Chancellor

*Handwritten signature*  
Chancellor 01.2020

*Handwritten signature*  
07/1/2020

*Handwritten signature*  
Resource person

*Handwritten note:* As desired by the resource person, the workshop under reference was re-scheduled on February 09, 2020. This time again, the resource person could not make it to the workshop. As a result, the other resource persons were called.

Chairperson  
University School of Management  
Kurukshetra University



# KURUKSHETRA UNIVERSITY, KURUKSHETRA

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For facilitation of the Rescheduled workshop and reference. The following resource persons have conducted the workshop "Systematic literature Review" as per the schedule given below:

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- |                                                                                                    |                                                                               |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1. Prof M. C. Garg<br>Haryana Business School<br>GJ University of Science Tech.<br>Hisar (HARYANA) | Session(s)<br>10.00 AM - 11.30 AM<br>11.40 AM - 1.00 PM<br>February 09, 2020. |
| 11. Prof Tejinder Sharma<br>Department of Commerce<br>Kurukshetra University, Kurukshetra          | 2.00 - 3.30 P.M.<br>3.40 - 5.10 P.M.<br>February 09, 2020.                    |

At the end, the workshop was conducted and delivered on the expected objectives as planned. The change of resource persons was necessitated as the initial resource person designate, Prof Suresh Singh, Dean Research at Chandigarh University, intimated to the undersigned his inability to conduct rescheduled workshop due to his pressing engagements (emergent) on February 09, 2020.

In view of the above, <sup>administrative</sup> sanction of the Vice-Chancellor is requested for workshop re-schedule, post-facto.

Submitted for consideration.

Hon'ble Vice-Chancellor

Chairperson, USM

ll  
10.2.2020  
(Chairman)

ll  
12/2/2020

Chairperson  
University School of Management  
Kurukshetra University,  
KURUKSHETRA-136119.





**ONE DAY WORKSHOP  
ON  
Systematic Literature Review**

Venue: Seminar Hall, University School of Management.

Date: February 2, 2020 (Sunday)


Time: 10:00 - 16:30 Hrs. (Three sessions)

Organized By

**University School of Management**

Kurukshetra University Kurukshetra

( "A+" Grade Accredited By NAAC )

  
Charanjit Singh  
University School of Management  
Kurukshetra University,  
KURUKSHETRA-136113.



## **About University:**

The Kurukshetra University was established in 1956. Its foundation stone was laid by (late) Dr. Rajendra Prasad, the first President of India. Located in the holy city of Kurukshetra. Starting with only the Department of Sanskrit, it has grown into a multi faculty University as one of the premier centres for advanced studies and research in the Haryana.

## **About University School of Management**

Ever since it came into being in 1973, the University School of Management (formerly Department of Management), Kurukshetra University came into being is focused on imparting quality education and skill training in all functional areas of Management such as Production, Marketing, HR, Finance, IB and IT. Very recently, it added three course verticals – Agri- business, Entrepreneurship and Business Analytics to stay on course in the transient and transformational times.

As of now, it facilitates said course verticals in a two-year full- time MBA frame with 180 capacity intakes. Students trained and groomed at the USM are readily accepted by the corporate sector as are getting opportunities and are placed with during their course of study in large numbers. Over time, it has nurtured and nourished a very rich alumni network over in India and abroad.

  
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**UNIVERSITY SCHOOL OF MANAGEMENT**

**ORGANIZES TRAINING SESSION ON**  
**SOFT SKILLS FOR CORPORATE JOBS**

**Date: 27th August at 11 am**  
**meet.google.com/asm-cgye-mqj**

**PATRON: DR. (Mrs.) NITA KHANNA, VICE-CHANCELLOR,**  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**

PROF. NARENDRA SINGH  
DEAN, FACULTY OF  
COMMERCE & MANAGEMENT

SPEAKER: MS. MADHURI SONI  
ASSISTANT OFFICER, CENTRAL  
HR DEPT., VARDHMAN



PROF. RAMESH CHANDER,  
CHAIRMAN, UNIVERSITY  
SCHOOL OF MANAGEMENT

MODERATOR:  
DR. SIMMI VASHISHTHA  
ASSISTANT PROFESSOR  
UNIVERSITY SCHOOL OF  
MANAGEMENT

*Chairperson*  
University School of Management  
Kurukshetra University



## About Workshop:

A systematic review of the scientific literature in a specific area for identifying research questions, as well as for justifying future research in said area. This process is complex for beginners in scientific research, especially if researcher has not developed skills for searching and filtering information, and do not know which high-level databases are relevant in their field of study.

In this workshop, research students will consider the broad principles of integrity and ethical protocols involved when conducting a systematic literature review. Upon completion of a workshop, following questions will be addressed:

- When to do a systematic literature review?
- What are the base requirements of any systematic review?
- What strategies / supports are available?

This one day workshop on systematic literature review facilitates to learn research aptitude through active participation and practical learning.

  
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Kurukshetra University,  
KURUKSHETRA-136119.



### **Participation:**

Target Audiences: Faculty Members, Research Scholars and Students from different disciplines.

### **Total Seats: 40**

Selection will be on first cum-first basis. Those interested are requested to submit their applications

Participants are requested to bring their own laptops.

### **Registration Fees:**

**Rs.250/-** Per Participant at the registration desk. The Registration Fee includes participation in all sessions of the workshop, tea and certificate cost.

No TA/DA will be given to participants.

  
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KURUKSHETRA-136119

## Resource Person

Name	Organizational Affiliation
Prof. Sanjeet Singh (Dean Research)	Chandigarh University, Mohali, Punjab

### Workshop Coordinators:

Ms. Aarti Chauhan (UGC Research Fellow, USM, KUK)

Ms. Rupali Lamba, (UGC Research Fellow, USM, KUK)

For Enquiries/Help, Please Contact:

9896895418 / 9729919978

Chandigarh  
University School of Management  
Kurukshetra University  
KULU, INDIA



UNIVERSITY SCHOOL OF MANAGEMENT, KURUKSHETRA UNIVERSITY, KURUKSHETRA  
ONE DAY WORKSHOP ON SYSTEMATIC LITERATURE REVIEW (9<sup>th</sup> Feb, 2020)

LIST OF PARTICIPANTS

S.No	Name	Name of Department	Receipt No	Amount
1.	Tanya	Department of Commerce, KUK	1902B-01	250
2.	Krishan Garg	USM, KUK	1902B-02	250
3.	Saransh	USM, KUK	1902B-03	250
4.	Sakshi Sharma	USM, KUK	1902B-04	250
5.	Rupali Lamba	USM, KUK	1902B-05	250
6.	Aarti Chauhan	USM, KUK	1902B-06	250
7.	Anjali	USM, KUK	1902B-07	250
8.	Poonam	USM, KUK	1902B-08	250
9.	Shivangi Singh	USM, KUK	1902B-09	250
10.	Vikram Singh	USM, KUK	1902B-10	250
11.	Afsa Parveen	Department of Commerce, KUK	1902B-11	250
12.	Prinkle	Department of Commerce, KUK	1902B-12	250
13.	Jasvinder Kaur	Department of Commerce, KUK	1902B-13	250
14.	Dipika	USM, KUK	1902B-14	250
15.	Poonam	USM, KUK	1902B-15	250
16.	Sonam	Department of Sociology, KUK	1902B-16	250
17.	Nisha	Department of Tourism & Hotel Management, KUK	1902B-17	250
18.	Namarta	USM, KUK	1902B-18	250
19.	Shivani	USM, KUK	1902B-19	250
20.	Savita Devi	USM, KUK	1902B-20	250
21.	Seema Rani	Department of Commerce, KUK	1902B-21	250
22.	Navdeep Kaur	Department of Commerce, KUK	1902B-22	250
23.	Vinod Kumar	Guru Jambheshwar University Science & Technology, Hissar	1902B-23	250
24.	Amarjeet Kaur	SNRL Jai Ram Girls College, Lohar Majra, KKR	1902B-24	250
25.	Dr. Sunita Rani	SNRL Jai Ram Girls College, Lohar Majra, KKR	1902B-25	250
26.	Jyoti Devi	Department of Library & Information Science, KUK	1902B-26	250
27.	Bhawna Malhotra	Department of Commerce, KUK	1902B-27	250
28.	Neeraj	Guru Jambheshwar University Science & Technology, Hissar	1902B-28	250
29.	Bhavna	Department of Chemistry, KUK	1902B-30	250
30.	Meena Devi	Department of Chemistry, KUK	1902B-31	250
31.	Vijay	USM, KUK	1902B-32	250
32.	Aarti	Guru Jambheshwar University Science & Technology, Hissar	1902B-33	250

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33.	Vikash	Department of Business Administration, NIT	1902B-35	250
34.	Kirti Gautam	Department of Commerce, KUK	1902B-36	250
35.	Meenakshi Ahlawat	Department of Commerce, KUK	1902B-37	250
36.	Kamaljit Singh	USM ,KUK	1902B-38	250
37.	Ajay Kumar	USM ,KUK	1902B-39	250
38.	Rajesh Kumar	USM ,KUK	1902B-40	250
39.	Meenakshi Sharma	USM ,KUK	1902B-41	250
40.	Shivani Mahajan	USM ,KUK	1902B-42	250
41.	Meenakshi	USM ,KUK	1902B-43	250
42.	Pragati Goyal	USM ,KUK	1902B-45	250
43.	Gurpreet	USM ,KUK	1902B-46	250
44.	Mohammad Qais Rezvani	USM ,KUK	1902B-47	250

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 KURUKSHETRA-136119.





**US**  
UNIVERSITY SCHOOL  
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# UNIVERSITY SCHOOL OF MANAGEMENT

Kurukshetra University, Kurukshetra

&

Kurukshetra University Kurukshetra Alumni Association (KUK)

*Cordially Invites you to*

**Guest Lecture Series**

*Alumni Speaks....*



**MR. SMARTY PAL SINGH**

**Alumnus Batch 1996-98**

Executive Coach | Facilitator | Business Leader

**15<sup>th</sup> January 2022 | 10:30 AM Onwards**

Join the Event Via Google Meet Link

[meet.google.com/vaw-bqmk-eek](https://meet.google.com/vaw-bqmk-eek)

Chaitanyan  
University School of Management  
Kurukshetra University  
KURUKSHETRA-136119

**Organised by :**

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Azadi Ka  
Amrit Mah

# UNIVERSITY SCHOOL OF MANAGEMENT

Kurukshetra University, Kurukshetra

&

KURUKSHETRA UNIVERSITY KURUKSHETRA ALUMNI ASSOCIATION

(KUKAA)

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**Guest Lecture Series # 2**

*Alumni Speaks....*



**MR. C. P. PUJARI**  
Alumnus Batch 1973-75

Corporate Trainer | HR Consultant

**22<sup>nd</sup> January 2022 | 10:30 AM Onwards**

Join the Event Via Google Meet Link

[meet.google.com/fnk-cczw-wmy](https://meet.google.com/fnk-cczw-wmy)

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Kurukshetra University  
Kurukshetra, Haryana - 136119

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**Kurukshetra University, Kurukshetra**

**&**

**KURUKSHETRA UNIVERSITY KURUKSHETRA ALUMNI ASSOCIATION**

**(KUKAA)**

*Cordially Invites you to*

**Guest Lecture Series # 3**

***Alumni Speaks....***



**MR. ANIL ARYA**

**Alumnus Batch 1976-78**

**Entrepreneur | Director, Dove Chemicals Ltd.**

**29<sup>th</sup> January 2022 | 10:30 AM Onwards**

**Join the Event Via Google Meet Link**

**<https://meet.google.com/dcr-aszu-rbr>**

*Chairperson*  
University School of Management  
Kurukshetra University,  
Kurukshetra, Haryana, India  
Ph: 0174-275110

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di Ka  
Mahotsav



युनिवर्सिटी स्कूल ऑफ मैनेजमेंट  
कुर्क्षेत्र विश्वविद्यालय, कुर्क्षेत्र  
UNIVERSITY SCHOOL OF MANAGEMENT  
Kurukshetra University, Kurukshetra  
Nurturing Leaders with Integrity

Cordially invites you to

Guest Lecture Series # 4

*Alumni Speaks*



**DR. AMITABH SHARMA**

Alumnus Batch 1973-75

Educator | CEO, STEM Academy of USA, Georgia, USA

9<sup>th</sup> February 2022 | 6:00 PM Onwards | Google Meet

*Organised by:*

Kurukshetra University Kurukshetra Alumni Association  
(KURAA)

&

MAC @ USM

Chairperson  
University School of Management  
Kurukshetra University,  
Kurukshetra-136119.

Join the Event Via Link

<https://meet.google.com/law-sjce-kgv>



Copy - 1

Centre	Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved
Centre for entrepreneurship	Employability Entrepreneurship and life skill	04.02.2021 to 13.02.2021	50	<del>My Academy of skills contact No. 9468333330</del>
Centre for entrepreneurship	New venture Creation for Women Entrepreneurs	14.04.2021 to 23.04.2021	21	<del>SkilLabs Resource Services Pvt. Ltd. Contact No 9216772001</del>
UIET Incubation Centre	Orientation session on National Education Policy (with a focus on Innovation and entrepreneurship)	24.08.2020		Prof C C Tripathi, Director UIET and Dean Engg. KUX
	Entrepreneurship and Innovation as Career opportunity	27.10.2020		Start-up Haryana
	My story- Motivational session by successful innovators	23.11.2020 to 24.11.2020		1. Mr Dharamveer Kamboj (an innovator & founder at Dharambir Food processing) 2. Mr Jonney Bansal (founder at Exelig Media OPC Pvt Ltd) 3. Mr Simran Singh, Founder, Chai Nagni. 4. Mr Ankit Bhetreja (Founder, Xovian Aerospace)
	Online Innovation Contest 2020	28.11.2020		Team E-Cell
	Session on Identifying Intellectual Property component at the early stage of Innovation	17.12.2020		1. Dr S. Bhatnagar, Assistant controller, Patents and Design Patent Information Centre
	Interactive session with successful start-up founders	11.03.2021		Mr Sanchit Govil, Founder, Lal10

*[Handwritten signature]*

11/03/2021

①

	Workshop on Business model canvas (BMC)	19.03.2021 to 20.03.2021			1. Mr Kapil Menghani, M/S Echnaur Jaipur. 2. Mr Bhavesh Doshi, Entelechy system, Mumbai. 3. Mr Anuj Gupta, Design2Occupancy services LLP, Jaipur. 4. Mr Money Khanna, Project Er. Punjab Energy Development Agency
	Start-ups Initial Execution	12.05.2021			Mr Kapil, Co-Founder, BASTA
	En-Act workshop	02.06.2021 to 06.06.2021			Team E-Cell
	How to make a product fit for the market	28.07.2021			Nikhil Bhardwaj Co-founder, Green God Biotech. Pvt. Ltd.
	Session on Angel Investment/VC founding Opportunity for early stage Entrepreneurs	30.07.2021			Mr Annu Talreja, Angel Investor
	Logo Competition for Incubation Centre	28.09.2021 to 30.09.2021			Team E-Cell
UIET	Student Induction Programme	15-22 Nov 2021		360	singh, Dr. Nandini Moudgil, Dr. Nitin, Mrs. Lovelena. Dr. Madhudeep
AI.H. Cul.	Spread awareness about hygiene and Health	2021-22 Session			By the Teachers of the Department
AI.H. Cul.	Imparted soft skill through Computer lab	2021-22 Session			By the Teachers of the Department
University School of Management	Research Ethics and Integrity	02.07.2020			University School of Management
University School of Management	Systematic Literature Review	02.09.2020			University School of Management
University School of Management	Sustainability of small Business	05.12.2020			University School of Management
University School of Management	Soft Skills for Corporate Jobs by Ms. Madhuri Soni	27.08.2020			University School of Management
Mathematics	Computer Programming with Matlab (Theory & Practical Seminar-2)	2020		139	2



(contd.)

Copy-2

5.1.3 NAAC UIET Following Capacity development and skills enhancement initiatives are taken by the institution  
1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology

All the four criterias are fulfilled in Student Induction Programme

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
Student Induction Programme	6-10 August 2018	360	Dr. Rita Dalal, Dr. Virender Phogat, Dr. Vinod, Dr. Armit Ludri, Dr. Pawan Diwan, Dr. Madhudeep
Student Induction Programme	1 Aug-22 Aug 2019	360	Mr. Deepak (Yog Pracharak, Patanjali), Dr. Virender Phogat, Dr. Madhudeep
Student Induction Programme	23-28 Nov 2020	360	Dr. Reeta Dalal, Dr. Ashish Johri, Dr. Vinod Sharma, Dr. Nandini Moudgil, Mr. Piyush, Sh. Avneesh Bhatnagar, Dr. Armit Ludri, Dr. Subhash Garg
Student Induction Programme	15-22 Nov 2021	360	Dr. Vinod Kumar, Dr. Avtar singh, Dr. Nandini Moudgil, Dr. Nitin, Mrs. Loveleena, Dr. Madhudeep

hpb

Signature

(3)

## Tentative schedule for Student Induction Program (6<sup>th</sup> to 10<sup>th</sup> Aug. 2018)

Day/Date	9:00-10:00 am	10:00-11:00 am	11:00-12:00 noon	12:00-1:00 pm	2:00-4:00 pm
06-08-2018/ Monday	Lecture on Yoga by Dr. Nirupma Bhatti, UCK, KUK and Mr. Deepak Kumar Teacher coordinator: Dr. Urmila Rani Venue: Start up cell, Room No. 122				
07-08-2018/ Tuesday	Lecture on Competition and Excellence Dr. Avtar Singh, NDRI, Karnal Venue: Room No. 100	Lecture on self and body Dr. Avtar Singh, NDRI, Karnal Venue: Room No. 100	Hobby class on Painting by Dr. R K Singh, Department of fine arts, KUK Teacher Coordinator (s) Dr. Divya Bhatia, Dr. Rajesh Kalia, Mrs. Varsha		
08-08-2018/ Wednesday	<b>Break</b>				
09-08-2018/ Thursday	Lecture on Self Confidence by Dr. Farhat Umar, Venue: Room No. 100	Lecture on Soft and Communication skill by Dr. Farhat Umar, Venue: Room No. 100	Lecture on Communication skill by Dr. AS Chaudhary Venue: Room No. 100		
10-08-2018	Lecture on Peer Pressure and, peer	Lecture on Soft and Communication skill by Dr. Farhat Umar, Venue: Room No. 100	Lecture on Communication skill by Sh. Farhat Umar, Venue: Room No. 100		

4

S. Singh



Friday		pressure and English by Dr. Meena Malik, NDRRI Venue: Room No. 100		Communication skills by Dr. Meena, NDRRI Venue: Room No. 100
--------	--	--------------------------------------------------------------------------	--	--------------------------------------------------------------------------

- For formal introduction of students and collection of data base for hobby classes, concerned teacher(s) are requested to prepare the format for the same.
- Mr. Shishpal and Ms. Neha Duggal will coordinate for the remuneration (advance, bills, T.A. & D. A. etc.) related work for the speaker (s) out of the TEQIP fund, for more information contact TEQIP coordinator.
- Refreshment for the speaker(s) will be managed by Dr. Rajesh Kalia and Mr. Aman.

⑤

*Signature*

## Online Student Induction Program, 2020 -2021

Schedule for Online Student Induction Program (23<sup>rd</sup> Nov to 28<sup>th</sup> Nov 2020)

Date/Day	8:30 -09:30 am	10:00- 11:00 am	11:15-12:15 pm	12:30-1:30 pm	2:30- 4:30 pm	
23.11.2020	—	Address by Director UIET	Familiarization of Department/Branch and Innovation		Lecture on Communicative English/ Technical Communication  (Dr. Rita Dalal)	
24.11.2020	Physical health and related activities- YOGA (Dr.Savita and Ms.NehaDuggal)	Lecture on Creative Writing (Dr. Vinod Sharma)		Lecture on Drug Addiction  (Dr. Nandini Moudgil)	Lecture on Personality Development  (Dr. Rita Dalal)	
25.11.2020		Lecture on Internet Abuse  (Dr. Nandini Moudgil)	Introduction to Group Dynamics and Leadership qualities  (Dr. Rita Dalal)		Heartfulness Workshop on Universal Human Values and Physical Health  (Dr. Ashish Johri)	
26.11.2020		Mastering Emotions  (Mr. Piyush)	Human Values for prospective engineers  (Sh. Avneesh Bhatnagar)	Constitution values and fundamental principles of Indian Constitution  (Dr.Amit Ludri)	Heartfulness Workshop on Universal Human Values and Physical Health  (Mr. Sudhir Chadha and Mr.Atul Jain)	
27.11.2020		Heartfulness Workshop on Universal Human Values and Physical Health  (Mrs. Loveeena and Dr. Virendra Phogat)		Art of public speaking  (Dr. Rita Dalal)		Creative Art- Music  (Dr. Tarun Joshi)
28.11.2020		Life Skills  (Dr. Aanchal)	Relevance of Theatre in Holistic Personality Development  (Dr. Madhudeep)			Seminar on Covid-19  (Dr. Subhash Garg)

Lunch break

*Shruti* →

6



Online Student Induction Program, 2020 -2021

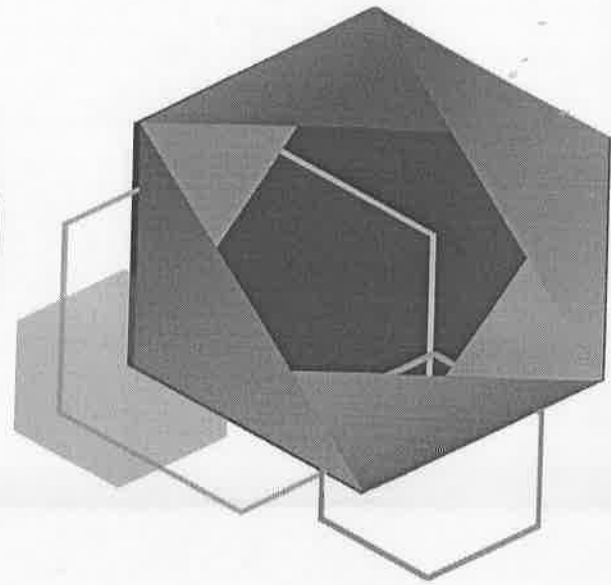
**Schedule for Online Student Induction Program (1<sup>st</sup> Dec to 5<sup>th</sup> Dec 2020)**

Date/Day	8:30 -09:30 am	10:00-11:00 am	11:15-12:15 pm	12:30-1:30 pm	2:30- 4:30 pm
01.12.2020	<b>Physical health and related activities-YOGA (Dr. Savita and Ms. Neha Duggal)</b>	Lecture on Body Language (Dr. Saloni Diwan)	Competition and Excellence (Dr. Avtar Singh)		Creative Art-Dance (Dr. Amarjeet Kaur)
02.12.2020		Relevance of Bhagwad Gita in Student's life (Dr. Madhudeep)	Youth, HIV and responsibility (Dr. Rajesh Rana)		Art of Living Workshop (Mr.Sanchit)
3.12.2020		Design overview – origin, growth and impact (Dr. Nitin)	Sanitizing the self and Building Spiritual Quotient (Mr. Piyush)		Art of Living Workshop (Mr. Sanchit)
4.12.2020		Competition and Cooperation (Dr. Avtar Singh)	Lecture by eminent person (Col. Raj Duhan)		Art of Living Workshop (Mr. Sanchit)
5.12.2020		Interaction with Alumni	Orientation about students club activities in UIET	Valedictory session	

Lunch break

*Sunday*

7



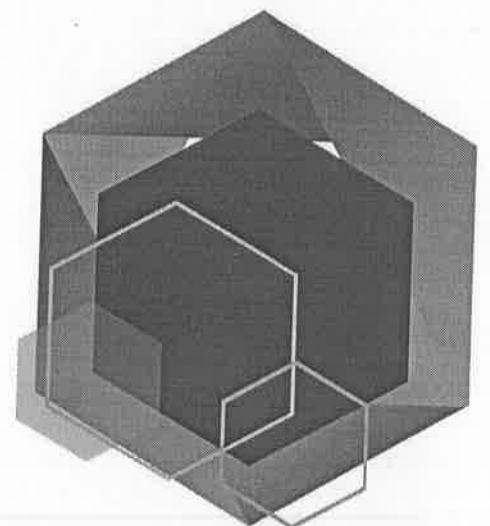
# STUDENT INDUCTION PROGRAM

[2020-2021]

**UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY**  
(A Constituent Autonomous Institute and Recognized by UGC under Section 12(B) and 2(F))  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by State Legislature Act XII of 1956)  
("A+" Grade, NAAC Accredited)

**eSIP  
2020**

*Shravya* → (S)





## [ABOUT THE PROGRAM]

Student Induction Program (SIP) has been introduced by AICTE as integral part of model curriculum for B.Tech students. Purpose of the Student Induction Program is to help the new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self exploration.

C.C. Tripathi, Director, UIET

*"A good education system develops the mind of a child towards progress, nationalism and social development."*

Dr. Savita Gill, Convener

*"SIP intends to prepare the students to get insight into emerging issues concerning their holistic development and growth."*

Ms. Neha Duggal, Co-Convener

*"Students overall personality is directly related to their ability to learn , unlearn , and relearn so they must be allowed to think, analyze , debate , react and come up with their own conclusion."*

## [ABOUT THE INSTITUTE]



University Institute of Engineering & Technology (UIET), Kurukshetra University, Kurukshetra is among the top 3 engineering colleges in the state of Haryana. Kurukshetra University, established in 1957 is one of the most coveted universities in India and topmost in Haryana. It has been accredited 'A + ' grade by NAAC. It has as many as 49 teaching departments including UIET. UIET was established in the year 2004 with an identity of university's campus college and is among one of the 49 departments of the university, thus having the status of university's own engineering college.

**Topics Covered**



Communication skills

Yoga

Body language

Personality

development

Training and

placement

Dance

Acting

Music

Human Values

Mastering Emotions

Drug Addiction

Internet Abuse

Seminar on COVID – 19

Creative Writing

Group Dynamics

Public Speaking

Leadership Qualities

Competition and

Excellence

Design

Art of Living Workshop

Heartfulness

Workshop

Relevance of Bhagwad

Gita

**Organizing Committee**

Faculty Name	Nature of Duty	Department
Dr.Savita Gill	Convener	Faculty Applied Sc. Dept.
Ms.Neha Duggal	Co-Convener	Faculty Applied Sc. Dept.
Dr.Sanjiv Ahuja	Teacher Coordinator	F/I Applied Sc. Dept.
Dr.Pawan Diwan	Teacher Coordinator	Faculty Applied Sc. Dept.
Dr.Rajesh Agnihotri	Teacher Coordinator	Faculty Applied Sc. Dept.
Dr.Urmila	Teacher Coordinator	Faculty Applied Sc. Dept.
Ms.Jyoti Tamak	Teacher Coordinator	Faculty CSE Dept.
Dr.Rajesh Kalia	Teacher Coordinator	Faculty Applied Sc. Dept.
Ms.Varsha	Teacher Coordinator	Faculty Applied Sc. Dept.
Mr.Shishpal	Teacher Coordinator	Faculty Applied Sc. Dept.
Mr.Harnek Saini	Teacher Coordinator	Faculty BT Dept.

Name of the student	Nature of Duty	Department
Mr. Prateek	Student Coordinator	CSE 3 <sup>rd</sup> Yr
Mr. Abhimanyu Saini	Student Coordinator	CSE 3 <sup>rd</sup> Yr
Ms. Aditi Singh	Student Coordinator	CSE 3 <sup>rd</sup> Yr
Ms. Akshara Kaul	Student Coordinator	CSE 3 <sup>rd</sup> Yr
Mr. Vikas	Student Coordinator	CSE 4 <sup>th</sup> Yr
Mr. Lakshya Saini	Student Coordinator	ME 3 <sup>rd</sup> Yr

*Shubh*



**Tentative schedule for Online Student Induction Program (15<sup>th</sup> Nov. to 22<sup>nd</sup> Nov. 2021)**

Date/Time	10:00am-11:00am	11:15am -12:15 pm	12:30-1:30 pm	2:30- 4:30 pm
15.11.2021	Familiarization of Department/ Address by all branch FI (AS,CSE,ECE,ME,BT,EE)/TPO/ Branch and Innovation/ controller of examination/Academic coordinator.		Address by Director UIET	Lecture on communicative English/ technical English Dr Rita Dalal Contact no.9416175007 Teacher coordinator-Dr Urmila
16.11.2021	Lecture on Creative Writing Prof. Vinod Kumar Bhardwaj Contact no. 9416137196	Competition and Excellence Dr. Avtar Singh Contact no.7404698988	Lecture on Drug Addiction Dr. Nandini Contact no.9896879081	Art of living Workshop Teacher coordinator -Mrs. Varsha
17.11.2021	Lecture on Career Guidance and counselling / explore and plan for future career endeavors Teacher coordinator – Dr Pawan Diwan		Heartfulness Workshop on Universal Human Values and Physical Health Mrs. Loveleena Contact no.9467908088	Art of living Workshop Teacher coordinator – Mrs. Jyoti Tamak
18.11.2021	Constitution values and fundamental principles of Indian Constitution Dr. Amit Ludri Contact no.9729374198 Teacher coordinator- Ms. Neha Duggal	Lecture on Anti-ragging/Sexual Harassment Dr Rajesh Agnihotri and Dr.Sunita Khatak Teacher coordinator -Mr.Parminder	Information regarding NSS/ NCC/Sports activities in the campus Dr.Urmila and Dr. Ajay Jangra Teacher coordinator- Dr Rajesh Kalia	Art of living Workshop Teacher coordinator – Mrs. Varsha
20.11.2021-	Lecture on Universal Human Values and Physical Health Dr. Vandana Phansot	Human Values for prospective Engineers Sh. Avneesh Bhatnagar Contact no 0417674030	Lecture on internet abuse and drug addiction Dr. Nandini	Sanitizing the self and Building Spiritual Quotient Dr. Madhukumar

lunch break




	Teacher coordinator- Dr. Savita	Agnihotri	Mr. Parminder	Teacher coordinator- Ms. Neha Duggal
22.11.2021	<p style="text-align: center;"><b>Life Skills</b></p> <p style="text-align: center;">Prof. Vinod Kumar Bhardwaj Contact no. 9416137196</p> <p style="text-align: center;">Teacher coordinator -Mr Harnek Sahni</p>	<p style="text-align: center;">Design overview – origin, growth and impact</p> <p style="text-align: center;">Dr. Nitin Contact no.9024986946</p> <p style="text-align: center;">Teacher coordinator- Dr Rajesh Kalia</p>	<p style="text-align: center;">Valedictory Function</p> <p style="text-align: center;">All faculty members of student induction program committee.</p>	

(12)

Srinivasa →



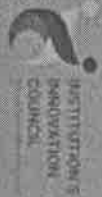


**E-CELL**  
UIET KUK

AND

COMMUNITY INCUBATION CENTRE, UIET, KUK

*present to you a session on*



# DRAFTING AND E-FILING OF PATENTS IN INDIA

## Topics Covered

- Patent e-filing and its process
- How to file a patent in India
- Drafting of patent for beginners



Speaker : Mr. Manish Soyal  
Examiner of Patents & Design

Time - 4:00 PM | Date - Aug 13th, 2022

Meet Link - <https://meet.google.com/dxx-kqpb-cdt>

**Note : Open for Students and Faculty**



Scan to Register

(2)

Shrini

# WEBINAR

## PROTOTYPE VALIDATION

### Converting Innovation into A Startup

📅 28 August, 2022

🕒 9:00 am



Scan or follow link  
<https://meet.google.com/yfh-gvbdq-dty>



**Dr. Anil Jain**

Ph. D. (BITS, Pilani)  
President at Vaiseshika  
Electron Devices

(14)

*Shri...*



**E-CELL**

UIET KUK



COMMUNITY  
INCUBATION CENTRE,  
UIET, KUK



INSTITUTION'S  
INNOVATION  
COUNCIL



Angel Investment/VC  
Funding opportunities  
for early stage  
entrepreneurs

Monday, August 29th 2022  
11:00 AM



Scan Or Follow Link:  
<https://meet.google.com/jks-zrsc-xwz>



Speaker : Dr. Mounita Das  
Deputy Director at NCIDE, IGNOU

15



# E-CELL ORGANIZES

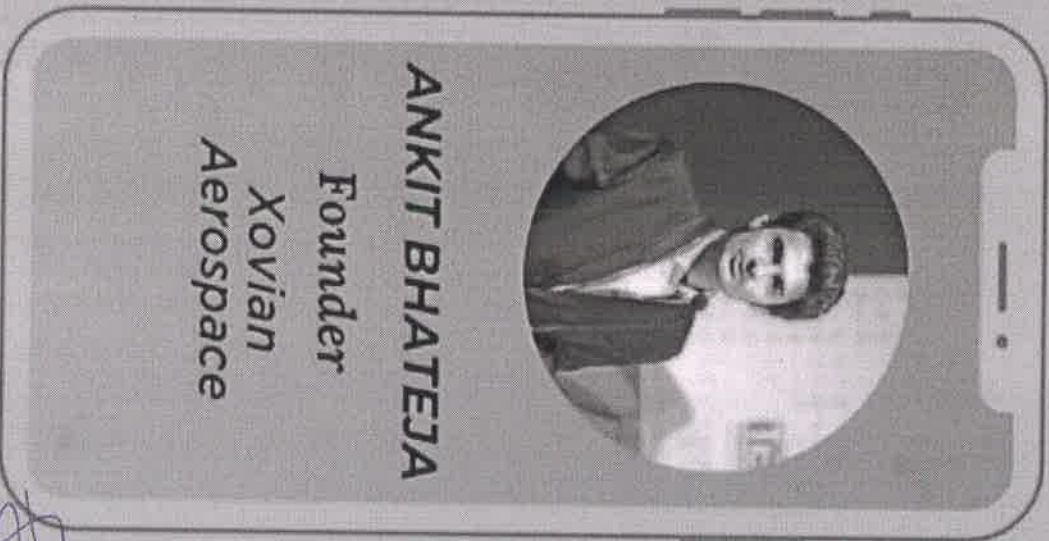
## STAYING RELEVANT IN THE NEW-AGE EMPLOYMENT LANDSCAPE WITH SKILLSET ORIENTED APPROACH | SOFT SKILLS | ENTREPRENEURSHIP

A fully one to one interaction with 3rd & 4th year students

WEDNESDAY, 18 MAY 2022

ROOM NO. 100, UIET KUK

12:00 NOON



**ANKIT BHATEJA**

Founder  
Xovian  
Aerospace

<https://bit.ly/3syUfxy>

**REGISTER NOW**

16

*Ankit*





**E-CELL**  
UIET KUK



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

# INSTITUTION'S INNOVATION COUNCIL & COMMUNITY INCUBATION CENTRE PRESENTS

## WEBINAR ON

### INTEGRATED MARKETING AND SALES STRATEGY

28 May 2022  
at 11.00 AM



SCAN TO REGISTER

SPEAKER:

**ACHINTYA KUMAR**  
Founder & CEO : The  
Cocoon Universe



<https://meet.google.com/fcg-ibpv-vgn>



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ecelluiet@kuk.ac.in



ecelluietkuk.web.in

(7)

UIET KUK

Excelsior 2K22



COUNCIL  
(University of HBD Bangalore)



# INNOVATIVE PROJECT EXHIBITION

UIET 12 MAY

*Register Now*



www.uietkuk.com



18

*Shravya*



UIET KUK



*Excelsior 2K22*



COMMUNITY INCUBATION CENTRE UIET

PRESENTS

# SHARK TANK UIET

"START IN PUBLIC"

REGISTER NOW

12



19

*Handwritten scribble with an arrow pointing to the QR code*





**UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(A Constituent Autonomous Institute and Recognized by UGC under Section 12(B) and 2(F))  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(A+ Grade NAAC Accredited)

**E-CELL**  
UIET KUK



*Workshop on*

# INTELLECTUAL PROPERTY RIGHTS IPR AND IP MANAGEMENT FOR A STARTUP

**Time : 10:00am**

**Venue : Room no.100 UIET KUK**



ENTREPRENEURSHIP CELL



**E-CELL**  
UIET KUK

IIC, UIET, Kurukshetra University and IIC, UT, HP University jointly organize workshop on

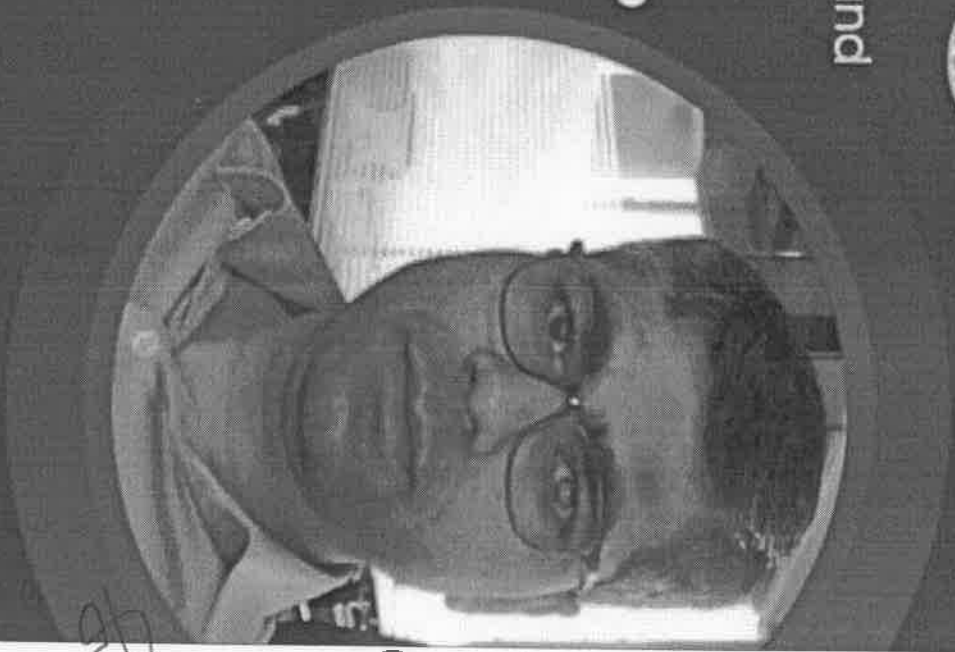
# ENTREPRENEURSHIP SKILL, ATTITUDE AND BEHAVIOUR DEVELOPMENT

12TH MARCH, 2022  
4:00 PM

**Speaker:**

**Sandeep Sharma**

Co-founder & Head-Customer Success: SincX Technologies Pvt. Ltd.



(21)

*Sandeep Sharma*



**Join at:**  
<https://meet.google.com/cix-bmma-qqp>

# INTERNAL SMART INDIA HACKATHON 2022



LAST DATE TO REGISTER EXTENDED



10 MARCH, 2022  
11:59 P.M.

HURRY TO BE A PART OF INDIA'S BIGGEST OPEN INNOVATION MODEL



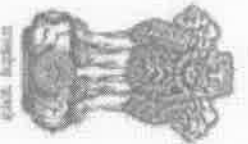
Scan to Register Now  
Or Register at:  
[bit.ly/SIHUIETKUK](https://bit.ly/SIHUIETKUK)

To know more about SIH visit-  
<https://www.sih.gov.in>

22

*Shravya*





**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
शुद्ध, सत्य, सौंदर्य, स्वच्छता

# Share your Start-up idea And get funding of up to **15 Lacs INR.**

Present your idea before MSME, i.e., Ministry of Micro, small & medium Enterprises. On the basis of your idea's valuation MSME can provide you the funding of up to Rs. 15 lacs INR.

**The last date to apply: 24th March, 2022**



**Scan to Register  
Or Register at :**

**[https://my.msme.gov.in/inc/Hackathon  
\\_Reg.aspx](https://my.msme.gov.in/inc/Hackathon_Reg.aspx)**

(23)

Shravya →

# ORIENTATION SIH--2022

## DISCUSSION WITH WINNER OF SMART INDIA HACKATHON--2020



### ANKUR

- Data Engineer (AI) at Wipro Technologies
- UIET Alumni Batch 2017-21

Stroy Cows create menace on streets and beaches  
(Given by ministry of GOA)

### PROBLEM STATEMENT

### DISCUSSION POINTS

- Choosing the right problem statement & finding a perfect team.
- Key Points to remember while preparing the presentation.
- Benefits of participation in SIH.
- Q&A Session.

### TEAM MEMBERS

- Ruchika Modgil
- Aman Langoo
- Rishab Jain
- Aanachal Narwal
- Ashutosh Sangwan

Date : 28/02/2022  
Time : 2:30pm

(52)

*Singh*

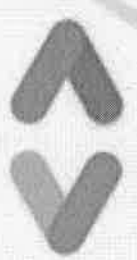
# INTERNAL SMART INDIA HAACKATHON 2022

Introducing GDSC UIET as COMMUNITY PARTNER



E-CELL  
UIET KUK

+



Google Developer Student Clubs

Connect on Slack to participate in SIH discussion  
& help in team formation

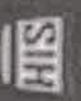
[bit.ly/slackuietkuk](https://bit.ly/slackuietkuk)



(25)




# SMART INDIA INTERNAL HACKATHON 2022



There is still a chance to get your idea registered,  
To get a platform to show your work and win a Prize of RS 1 lakh


## TIMELINE

5 MARCH, 2022



SUBMISSION OF PPT  
CONTAINING SOLUTION OF  
PROBLEM STATEMENT

28-29 MARCH, 2022  
FINAL INTERNAL SIH



SUBMISSION OF TEAM  
DETAILS, MENTOR DETAILS  
AND PROBLEM STATEMENT

21 MARCH, 2022  
PRE-QUALIFIER ROUND

PRESENTING SOLUTIONS TO  
JUDGES IN LIVE ROUND



26

Shravya

# FIRST TALK ON SMART INDIA HACKATHON 2022



09 FEBRUARY, 2022  
3:00 P.M.

DR. ABHAY JERE, CIO, MIC



Scan to Join  
Or Join at :

<https://www.youtube.com/watch?v=NyovFRwHOGc>

27

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A SESSION ON  
**ENTREPRENEURSHIP  
AND  
INNOVATION  
AS CAREER  
OPPORTUNITY**

**BY GURBAX SINGH**  
Senior Dy. General Manager at  
Bharat Heavy Electricals Limited

**TIME**  
SATURDAY, JANUARY 15  
6:30 - 7:30 PM

**JOINING LINK**  
[meet.google.com/mw-uaxm-wdp](https://meet.google.com/mw-uaxm-wdp)



28

Singh



**E-CELL**  
UIET KUK



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Initiator of IICD Initiative)

# SUCCESSFUL ENTREPRENEUR



**Mr. Lalit Mehta**

Co-founder & CEO :

Decimal Technologies

**4th Dec (Saturday)  
at 4 pm**

Platform: Zoom

Scan to Join



[https://us06web.zoom.us/j/3627156833?](https://us06web.zoom.us/j/3627156833?pwd=eWxqRC9lc010Ml54V1VBSW02Mm10UT09)

[pwd=eWxqRC9lc010Ml54V1VBSW02Mm10UT09](https://us06web.zoom.us/j/3627156833?pwd=eWxqRC9lc010Ml54V1VBSW02Mm10UT09)

29

Signature

EARLIEST IN THIS ERA

**E-CELL**  
UIET KUK



E-CELL UIET PRESENTS

# QUIZZATHON

Sunday, 14 November 2021

**TIMING: 2:30 PM**

# HURRY UP! REGISTER NOW

- Team Quiz Competition
- Extremity- 2 to 3 Members In Each Team

**THEME- CURRENT ENTREPRENEURSHIP WORLD**

Updated prize money

**CASH PRIZE :**

<b>1st</b>	<b>2nd</b>	<b>3rd</b>
1000	800	500

Registrations / upto 12 November 2021



(R)

*Shruti*

# PROPERTY TALENT SEARCH EXAMINATION (IPTSE)

Students can avail the benefits of this opportunity provided by UIET, Kurukshetra.

## **Date of Registration:**

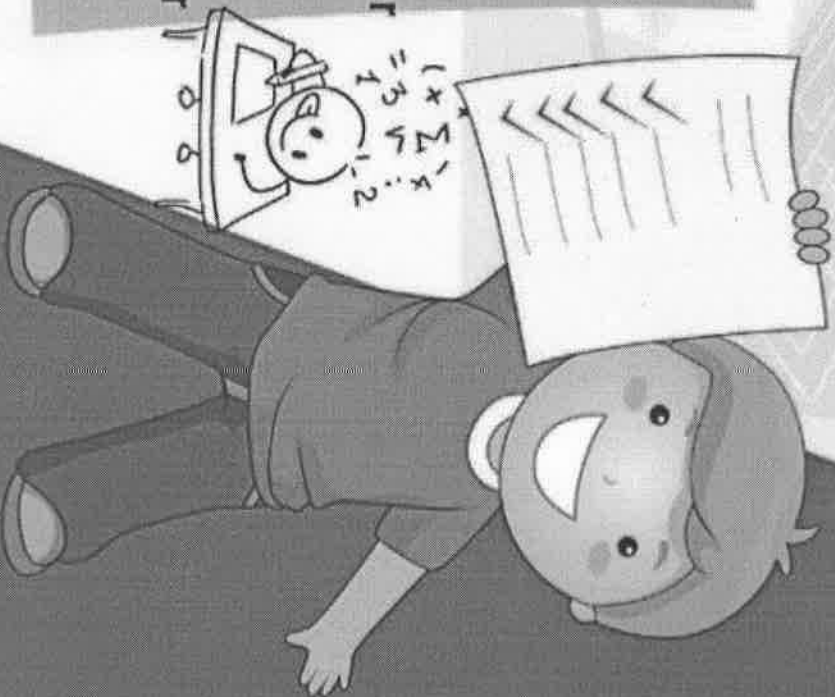
1 September 2021 to 31st  
October 2021

## **Dates for Mock Test:**

1st November to 15th November  
2021

## **Dates for Examination:**

1st December to 15th December  
2021





# Open House Discussion

## Season - 2



**SAMARTH GUPTA**  
Investment Associate  
Prime Venture Partners

Sep, 11 2021 4 PM IST



**NEERAV JAIN**  
Founder, Angel Investor  
CityFurnsih

Sep, 18 2021 4 PM IST



**BIMAL KARTHEEK**  
Co-Founder & COO  
Trell

Sep, 25 2021 4 PM IST

*Handwritten signature*

MANTHAN  
एक दिन का एक देश

आर्य समाज महाराष्ट्र

LETS CODE FOR COUNTRY'S

# NATIONAL SECURITY

INDIA'S 1ST NATIONAL SECURITY HACKATHON



28, 29, 30 NOVEMBER



ONLINE

NON-STOP **36HRS** CODING CONCEPT DERIVED FROM **SIH**

# 2021 MANTHAN

LAST DATE FOR FORM SUBMISSION

FRIDAY, 24 SEPTEMBER 2021

FOR PROBLEM STATEMENTS VISIT SITE

PRIZE MONEY

RS 1 LAKH PER PROBLEM STATEMENT

MANTHAN.MIC.GOV.IN

3

rector (SIH)  
Jyoti Shetty  
Jyoti Shetty University/  
Jyoti Shetty  
JYOTI SHETTY RA-136119

5.1.3.

2020-2021

UIET



UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY

(A Constituent Autonomous Institute and Recognized by UGC under Section 12(B) And 2(F))

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act XII of 1956)

(A+ Grade NAAC Accredited)

# WORKSHOP ON INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT BY



SPONSORED BY

TEQIP-3

- FUNDAMENTALS OF ENTREPRENEURSHIP
- STARTUP GROWTH STAGES
- PROBLEM TO MARKET CYCLE
- OVERVIEW OF HARYANA STARTUP POLICY

an/


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*Signature*



STARTUP CHANGING THE WORLD

My Story



**Ankit Bhatnagar**  
 Founder of Bhatnagar Associates  
 Tech Startup

Talking Topic  
 Being opportunistic in Indian startup ecosystem/VCs & IPOs

23<sup>rd</sup> November 2020, 10AM

meet.google.com/gap-ims-qrj

For more information  
 Visit Google - 800-999-9933  
 Startup Changing - Mumbai

STARTUP CHANGING THE WORLD

My Story



**Jitendra Bansal**  
 Founder of Jitendra Bansal  
 Tech Startup

Talking Topic  
 Digital Marketing Advertisement


23<sup>rd</sup> November 2020, 11AM

meet.google.com/gap-ims-qrj

For more information  
 Visit Google - 800-999-9933  
 Startup Changing - Mumbai

STARTUP CHANGING THE WORLD

My Story



**Sivron Singh**  
 Founder of Sivron Singh  
 Tech Startup

Talking Topic  
 Entrepreneurship & market research/growth


23<sup>rd</sup> November 2020, 11AM

meet.google.com/gap-ims-qrj

For more information  
 Visit Google - 800-999-9933  
 Startup Changing - Mumbai

STARTUP CHANGING THE WORLD

My Story



**Dr. Charanjeet Singh**  
 Founder of Charanjeet Singh  
 Tech Startup

Talking Topic  
 Health & Wellness

24<sup>th</sup> November 2020, 11AM

meet.google.com/gap-ims-qrj

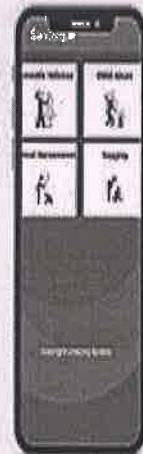
For more information  
 Visit Google - 800-999-9933  
 Startup Changing - Mumbai

Dr.

Shrini

35

# ONLINE INNOVATION CONTEST-2020



UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, KANUNPUR

*MS*

36

*Shravya*



**Pedal Start**

# WHAT IS STARTUP AND ENTREPRENEURSHIP?

Interactive session with a Successful Startup Founder

in collaboration with



**UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(A Constituent Autonomous Institute and Recognized by UGC under Section 12(B) And 2(F))  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(A+ Grade NAAC Accredited)



SPEAKER

**Sanchit Govil**

**Activity – Story Creation on Startup/Entrepreneur.**

SUPPORTED BY  
**Vaave**

**MARCH 11, 2020**  
**11AM - 12PM**

Founder Lal10  
Forbes 30 under 30  
B-Tech DCE: 2007 - 2011  
MBA NITIE: 2013 - 2015

For More Information : [connect@pedalstart.com](mailto:connect@pedalstart.com)



## Activity Topic — Storytelling on an Entrepreneur/Startup

**Pedal Start**



**UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(A Constituent Autonomous Institute and Recognized by UGC under Section 12(B) And 2(F))  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(A+ Grade NAAC Accredited)

—Description:

- 1) Choose an Entrepreneur or startup
- 2) Understand their journey
- 3) Share what you learnt from their journey

—Format

Can create a video or a document.

Video: 5 mins

Document: 400 words

PPT: 8 slides (400 words)

Prize

1st: 4000/-

2nd: 2500/-

3rd: 1500/-

Deadline — 11:59 pm,  
19th March 2021

—Requirements

File Name — unique student id \_Name and mention your name, year and branch in the mail

Share doc/video file on [connect@pedalstart.com](mailto:connect@pedalstart.com)

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**Centre for Entrepreneurship (Under RUSA 2.0)  
Kurukshetra university, Kurukshetra  
Invites you to  
Inaugural Session of**



**ENTREPRENEURSHIP TRAINING IN  
ORGANIC FARMING**

**(09<sup>th</sup> to 11<sup>th</sup> Jan, 2020)**

**Chief Guest:**

**Dr. Kailash Chandra Sharma, Vice Chancellor, KUK**

**Key Note Speaker:**

**Padma Shri Dr. Bharat Bhushan Tyagi**

Prof. Manjula Chaudhry  
Nodal Officer, RUSA

Prof. Rajender Nath  
Coordinator : Centre for  
Entrepreneurship

Prof. Sudesh  
Training Coordinator

**Venue : Faculty Lounge**

**Date: 09 Jan., 2020**

**Time : 10 AM**



# Report of Entrepreneurship Training in Organic Farming

Organised by :  
Center for Entrepreneurship under  
RUSA 2.0  
3 Days Training(9 to 11 January)  
Venue -: Woman Studies Research Centre  
Kurukshetra University , Kurukshetra  
("A+" Grade Accredited By NAAC)

Submitted to:  
Prof. Sudesh  
Dr. Simmi Vashishtha

Submitted by:  
Vijeta  
Bhawna  
Ankush

# Introduction

Food is our first requirement which comes through agriculture practices . Due to alarming high rate of population growth and food requirement, food industry is growing fast and guarantees high profitability . But due to heavy chemical based farming and at current rate of soil degradation , all world soil will be lost in 60 years( cautions the united states) . India is among the country in which soil degradations is happening faster than its replenishment . This is the area of big concern and one and only solution to this is switch to traditional natural organic farming practices .

Therefore organic farming is need of today for our ecosystem as well as for us . Along with this it comprises big scope in future as well and require more attention for everyone.

Organic farming promises better health of human being as well as of our ecosystem .

It is only the youth ( a future of this country )who can promote and switch firmly to organic farming and completely abolishing chemical based farming .

Keeping all these in mind Centre for entrepreneurship under RUSA 2.0 organized a entrepreneurship training



on organic farming to attract people from various disciplines .

## About the training

The numbers of participants were 40 which were from various disciplines .

Workshop was organized in such a way that it can completely move the people's mind toward organic farming. It trained them that how they can do some start up as an entrepreneur in organic farming or completely enough to make an individual an entrepreneur in organic farming .

In this training various resource persons were invited who shared their experiences with the participants and motivated them .

### **DAY - 1**

Following the welcome note, Padam Shri Dr. B.B. Tyagi took up the first session.

#### **Padam Shri Dr. B.B. Tyagi ( Certification and standards for organic products )**

He was very down to earth and humble personality . He motivated the listeners towards organic farming in a very creative way . He not only encouraged us towards organic farming but also gave a numbers of ideas about how we can convert the natural agriculture products into different

creative useful products and increase our profit by giving various interesting examples . We found this session to be the most attractive and useful . He gave us idea about multicropping which ultimately give better yield and improved soil health . He realized the people about the importance of certification in organic farming. He cleared all the doubt towards organic farming in a very conceptual manner.

### **Dr. Akhilesh Kumar ( Institutional support for organic farming/ horticulture)**

Following the first session, second session was taken by Dr. Akhilesh Kumar. He was very generous person who shared his knowledge with us. He shared his experiences which he gained in Israel. He discussed about the usefulness and limitations of drip irrigation in with he told us the solution which outcompete the problems of drip irrigation.

His wording which was very effective to us was , “ Find the problems and innovate the solution of that problems.”

## **DAY - 2**

### **Mr. Prateek Tiwari (Urban organic farming)**

First session of second day was taken by Mr. Prateek Tiwari . He was very hardworking personality He removed all the myths which was earlier there in mind for the farming. He said that large fields are not necessary for any kind of farming practices. He said even in small area we can perform the farming practices . By saying this he removed the fear from those people’s mind who thinks they have no any land so they

can't do the farming activities.

Theoretical and practical knowledge are like two sides of coin. Practically looking at things makes us capable enough to know how things happen in a real world. So a field visit was organized in various organic farms.

### **Dr. Ajay Bohra ( Progressive Farmer)**

On second day farm visit with Dr. Ajay Bohra was most amazing. He was very eminent personality. His words developed a confidence in each and every participants. He said everyone can do the organic farming but only there is need to understand the basics of this.

His words that affected us more was..... ***If mother is healthy then child will automatically be healthy.*** Here mother is soil and child is crop . So focus on mother(soil) child (plants) will be healthy.

### **Mr. Karan (Village entrepreneur)**

He was very dedicated entrepreneur and by his determined hard work, he attracted everyone towards this passion. He is kurukshetra's young entrepreneur to get prestigious ICAR national award. He helps and promote the farmers towards organic farming by supplying them 25000 MT vermicompost annually. He provides a learning centre to the young students as it teaches them how to produce vermicompost for organic farming.



### **Mr. Harbir Singh (Successful farmer)**

He was very kind hearted toward the plants and nature. And that kind and loving nature towards the plants and nature affects us more and pressurize to think that for doing organic farming we have to connect with nature, need to understand the nature , be a friends of nature and flow with the flow of nature.

He said ,” Farming is a game of patience.”

### **DAY - 3**

#### **Dr. Anirudh Garg (Emerging technology in organic farming)**

On third day first session was taken by Dr. Anirudh Garg , which was very useful for us. Dr. Anirudh Garg was very practical person. During this workshop he captured the ability of a person and offered various opportunities to a number of students, farmers and other participants.

#### **Mr. Manu Digvijay (Marketing and logistics of organic products)**

He was very intelligent and skillful person in marketing approach. As an entrepreneur, he

motivated the young minds and erased all uncertainties in the marketing of organic products. Less productivity is the major problems in organic farming that the people thinks. But Mr. Manu Digvijay renounce this thinking in a very smartful manner. He grow his crop without any mannual input. So he said , in organic farming people save their input cost and indirectly they have more benefit. But in inorganic farming people have to give high cost chemical fertilizers and pesticides ( high input) and benefits are low irrespective to high yield. And also in inorganic yields there is high chances of various diseases.

So in organic farming, people save the cost of input, cost of medicines and ultimately they have higher output.

## **Mr. R.S. MOR (NABARD)**

He gave us the information about various opportunities and projects funded by or given by NABARD and government or in collaboration of both to enhance/promote organic farming.

In nutshell, workshop was able to help an individual from root to the plant top. All resource persons were very helpful and also shared their contact details to further provide help to us.

### **Analyzing the strengths and weakness, I have the following suggestions to promote organic farming.**

- Keep on organizing such kind of programmes in future.
- Connecting more and more people into it.
- A visit to the village having worst situation of soil and unorganized farming practices, aware the farmers over there about healthy ecosystem.
- Taking an initiative of sowing crops organically in the university area.

A 7-10 day long training on which we can sow the crops by our own hands, looking multiple cropping system in more field visits, providing theoretical scientific as well as practical approach. Make a study of local culture, skills and local biodiversity. Make small booklet of all these different aspects and make it available to potential readers.



We would like to thank and congratulates all the team member and coordinaters for organizing such a beautiful, meaningful and knowledgeable workshop on a very important and relevant issue. All the participants seemed to inspired by this. Preparation and management sides of workshop was excellent. We will always be there in any kind of support in this movement of making healthier and greener ecosystem.

# Entrepreneurship Workshop on Mobile Application Development Using React Native (10 Days Workshop)



Venue:- Computer Lab No. 222, Department of Computer Science and Applications, Kurukshetra University Kurukshetra

Date:- 11<sup>th</sup> to 20<sup>th</sup> January 2020

Organized By

**Centre for Entrepreneurship under RUSA 2.0**  
Kurukshetra University, Kurukshetra

("A+" Grade Accredited By NAAC)

# About University

The Kurukshetra University was established in 1956 as a unitary residential University and its foundation stone was laid by late Dr. Rajendra Prasad, the first President of India. Located in the holy city of Kurukshetra, land of the historical battle of 'Mahabharata' and the great message of Bhagwad Gita, its campus is situated on the western bank of Brahm Sarover (the holy tank) and extends over an area of over 400 acres. Starting with only the Department of Sanskrit, it has grown into a multi-faculty University as one of the premier centre for advanced study and research in the region.



# About Centre for Entrepreneurship

Centre for entrepreneurship established under RUSA 2.0 aims to act as a catalyst to convert the student's business ideas into reality. The centre intends to stimulate and nurture inquisitive minds to shape their ideas into actual businesses and handhold original thinkers and nurture them to become first generation entrepreneurs.

# About Workshop

Mobile application development is the act or process by which a mobile application is developed for mobile devices. Today, Mobile apps are unlimited in number with usage that cuts across all walks of life and with people wanting more and more of these apps for easy lifestyle and living. Currently, the use of mobile apps can be seen in areas such as communication, education, cooking, social media, shopping, business, matrimony, and banking. On daily basis individuals seek for updated versions of these apps. Hence, app developers and app developing companies are always working to keep up to date with the demands. Due to this, the sector seems to provide infinite opportunities for entrepreneurs.

# The Workshop Intends To:

- Build participant's understanding of Mobile software development ecosystem
- Provide exposure to mobile software development platforms and frameworks.
- To promote the learning of developing and publishing Apps on Android.
- Strengthen and develop entrepreneurial network and motivate potential mobile application developer entrepreneurs.



# Trainer

CodeQuotient Pvt. Ltd.  
F-427, Phase 8B, Mohali, Punjab  
Web: [www.codequotient.com](http://www.codequotient.com)

**TEN DAYS  
ENTREPRENEURSHIP WORKSHOP ON  
MOBILE APPLICATION DEVELOPMENT  
USING REACT NATIVE  
Jan. 11-20, 2020**

**SCHEDULE**

<b>Date</b>	<b>Time</b>	<b>Programme</b>
<b>Day 1 11.01.2020</b>	9.00 am – 9.30 am	Registration
	9.30 am – 10.00 am	Inaugural Session
	10.00 am – 10.30 am	Tea
	10.30 am – 1.00 pm	Introduction to Javascript
	1.00 pm – 1.30 pm	Lunch
	1.30 pm – 3.30 pm	Why do we need this for mobile application development - React-Native?
	3.30 pm – 3.45 pm	Tea
	3.45 pm – 5.00 pm	Basic Javascript features like variables, loops, functions, etc.

Date	Time	Programme
<b>Day 2</b> <b>12.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"><li>• What is DOM?</li><li>• Difference between Static and Dynamic Websites.</li><li>• Interact with DOM programmatically using javascript</li><li>• How Javascript is not only limited to browser as it was in the past?</li></ul>
<b>Day 3</b> <b>13.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"><li>• Objects in Javascript</li><li>• Array in Javascript.</li><li>• Events and event handling</li></ul>
<b>Day 4</b> <b>14.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"><li>• Functions as an argument.</li><li>• Async Nature of javascript</li><li>• Callbacks</li></ul>
<b>Day 5</b> <b>15.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"><li>• API introduction</li><li>• Github user listing App using rest API.</li><li>• ES6</li></ul>
<b>Day 6</b> <b>16.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"><li>• Introduction to React-Native</li><li>• Difference between React and React-native.</li><li>• Concept of working in react ( Basic )</li><li>• Introduction to npm &amp; expo.</li></ul>



Date	Time	Programme
<b>Day 7</b> <b>17.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"> <li>• Concepts of React in depth.</li> <li>• State and Props.</li> <li>• Styling</li> <li>• Native Modules</li> </ul>
<b>Day 8</b> <b>18.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"> <li>• Handle user input and re-rendering</li> <li>• Lifecycle method.</li> <li>• Working with API and Basic state management with API Data</li> </ul>
<b>Day 9</b> <b>19.01.2020</b>	9.00 am – 5.00 pm	<ul style="list-style-type: none"> <li>• Github User list app with react.</li> <li>• Todo App.</li> </ul>
<b>Day 10</b> <b>20.01.2020</b>	9.00 am – 3.00 pm	<ul style="list-style-type: none"> <li>• Todo App.</li> <li>• Build Standalone apk</li> <li>• Doubt.</li> </ul>
	3.00 pm – 5.00pm	Valedictory Session

# Participation

**Target Audiences:** Students interested in Mobile Application Development using React Native Entrepreneurship

**Total Seats: 60**

(Selection will be solely on first-cum-first basis).

**Registration Time:**

**9:00 AM to 9:30 AM on 11/01/2020**

**Registration Fees:**

**There is No fee for students**

Participation in all sessions of the workshop is compulsory.

Workshop kit & tea will be given to participants.

Certificates will be awarded on the last day of workshop.

Workshop Coordinator

Dr. Kanwal Garg

Coordinator, Centre for Entrepreneurship

Prof. Rajender Nath

Nodal Officer, RUSA 2.0

Prof. Manjula Chaudhary

Advisory Committee

Prof. Rakesh Kumar

Prof. Sudesh

Prof. Ranjana

Dr. Simmi Vashishtha

Dr. Archana Chaudhary

Dr. Vikas Sabbarwal

For Enquiries/Help, Please Contact

9896084060 / 9416195222





# TEN-DAY WORKSHOP ON



## EMPLOYABILITY, ENTREPRENEURSHIP AND LIFE SKILLS

From 08-01-2022 to 17-01-2022  
Time : 03:00 pm to 06:00 pm  
Mode : Online

**Organised by :**

Centre For Entrepreneurship Under RUSA 2.0  
Kurukshetra University, Kurukshetra  
"A+" Grade NAAC Accredited



**PATRON**

**PROF. SOM NATH SACHDEVA**

VICE CHANCELLOR

KURUKSHETRA UNIVERSITY, KURUKSHETRA



**Prof. Manjula Chaudhary**  
Nodal Officer, RUSA 2.0



**Prof. Rajender Nath**  
Coordinator, Centre for  
Entrepreneurship

**Dr. Archana Chaudhry**  
Workshop Coordinator

**Vikas Sabharwal**  
Organising Secretary

— TRAINING RESOURCE —  
**MY ACADEMY OF SKILLS**



Ten-Day Workshop  
on  
**Employability, Entrepreneurship and Life Skills**

From 08.01.2022 to 17.01.2022

Time: 03:00 pm to 06:00 pm

Mode: Online

Organized by:

Centre for Entrepreneurship under RUSA 2.0  
Kurukshetra University, Kurukshetra  
"A+" Grade NAAC Accredited

**PATRON**

**PROF. SOM NATH SACHDEVA**

VICE CHANCELLOR, KURUKSHETRA UNIVERSITY, KURUKSHETRA

**PROF. MANJULA CHAUDHARY**

NODAL OFFICER, RUSA 2.0  
AND

**PROF. RAJENDER NATH**

COORDINATOR, CENTRE FOR ENTREPRENEURSHIP

**WORKSHOP COORDINATOR**  
**DR. ARCHNA CHAUDHRY**



**ORGANISING SECRETARY**  
**DR. VIKAS SABHARWAL**

**Training Resource**

**MY ACADEMY OF SKILLS**

## About the University

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## About the Centre for Entrepreneurship

The Centre for Entrepreneurship established under RUSA 2.0 aims to act as a catalyst to convert the student's business ideas into reality. The centre intends to stimulate and nurture inquisitive minds to shape their ideas into actual businesses and handhold original thinkers and nurture them to become first generation entrepreneurs.

## About the Workshop

Centre for Entrepreneurship, Kurukshetra University is organizing a ten-day workshop on Employability, Entrepreneurship and Life Skill from 08.01.2022 to 17.01.2022. The aim of the workshop is to provide the students with the opportunity to groom themselves as entrepreneurs and become employment generators. The workshop is open to all students of the University.

With entrepreneurship and the gig economy picking pace, the ecosystem of the job market in India is changing drastically. Now the focus is shifting towards Start-Up India, Make in India and Aatmanirbhar Bharat. Under various schemes of the Government, the MSME sector is getting huge financial assistance and the definition of MSME has also been changed. There is a huge potential of starting a business in the MSME sector. The workshop intends to gear-up the students of our university towards these changes and contribute not just to their own growth but towards the growth of the Indian economy as well.



# The training program will help the students to understand-

The importance of skill development

The ecosystem of skill development in India

The employability skills required and the career opportunities in Skill India Mission

The opportunities in the field of MSME

Rules and acts governing MSME sector

To do online registration for an MSME and to arrange funds

Some basic financial and digital literacy will also be provided

## Modules and sessions

Pre-Testing: To check current knowledge of trainees

Pre-Training Material to Candidates will be provided

Knowledge about MSME sector will be provided

- Ground Role setting
- Judging Expectation of Participants
- Objective setting
- Matching of expectation with objective of training program
- Detailed technical sessions
- Synchronous and Asynchronous activities
- Assignments
- Quiz

## Pedagogy

- Lecture Method
- Case study method
- Discovery learning
- Group Discussion
- Story telling
- Experience sharing

# Utility of workshop and outcome

The workshop intends to impart knowledge about the MSME sector and to help students start their own venture in this area with the help of various Government schemes.

Formative and summative assessments will be done to evaluate the outcome of the workshop.

Feedback will be collected from the participants to improve the workshops to be organized in future.

## Follow-up Plans

The students who will complete the workshop successfully will be awarded certificates and will remain connected for future mentoring also. Updates about government schemes and financial assistance opportunities will continuously be shared with them so that they actually come up with their ventures on ground.

### Training Resource

MY ACADEMY OF SKILLS

### Participation:

Target Audience: Students interested in Entrepreneurship particularly MSME sector

**Total Seats:** 30-60

**Registration Fees:** Rs 500/-

Participation in all sessions of the Training is compulsory.

Pre- Training and Training material in soft form will be given to the participants.

Certificates will be awarded on the last day of Training.

**Workshop Coordinator:** Dr. Archana Chaudhry, Associate Professor, Department of Economics

**Organising Secretary:** Dr. Vikas Sabharwal, Assistant Professor, Department of Political Science

**Organising Committee**

Prof. Rajender Nath

Prof. Rakesh Kumar

Prof. Sudesh

Dr. Simmi Vashishtha

Dr. Kanwal Garg

**For Enquiries/Help, Please Contact**

9896537107





**codequotient**

# Centre for I.T. and Automation

KURUKSHETRA UNIVERSITY, KURUKSHETRA  
(Established by the State Legislature Act XII of 1956)  
("A<sup>+</sup>" Grade, NAAC Accredited)

## Certificate of Completion

Issued under the Aegis of Kurukshetra University RUSA Project Society in collaboration  
with **CodeQuotient Pvt. Ltd.**

*Ajay kumar*

Has successfully completed 6 weeks **Summer of Codes** Training Program in  
**Cloud Computing**

July 30, 2020 - September 15, 2020

Dr. Manjula Chaudhary  
Nodal Officer, RUSA

Dr. Pardeep Kumar  
Coordinator, CITA

Arun Goyat, CEO  
CodeQuotient Pvt. Ltd

**codequotient**

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With **CodeQuotient Pvt. Ltd. Mohali**

***Daparthi Harshavardhan***

Has successfully completed 6 weeks **Summer of Codes** Training Program in  
**Web Development**

July 30, 2020 - September 15, 2020

Dr. Manjula Chaudhary  
Nodal Officer, RUSA

Dr. Pardeep Kumar  
Coordinator, CITA

Arun Goyat, CEO  
CodeQuotient Pvt. Ltd



**codequotient**

# Centre for I.T. and Automation

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act XII of 1956)

("A<sup>+</sup>" Grade, NAAC Accredited)

## Certificate of Completion

Issued under the Aegis of Kurukshetra University RUSA Project Society in collaboration  
with CodeQuotient Pvt. Ltd. Mohali

***Divyanshi Kaushik***

Has successfully completed 6 weeks **Summer of Codes** Training Program in  
**Data Structures**

July 30, 2020 - September 15, 2020

Dr. Manjula Chaudhary  
Nodal Officer, RUSA

Dr. Pardeep Kumar  
Coordinator, CITA

Arun Goyat, CEO  
CodeQuotient Pvt. Ltd



# Centre for I.T. and Automation Kurukshetra University, Kurukshetra

(Established by the State Legislature Act XII of 1956)  
(‘A+’ Grade, NAAC Accredited)



॥ योगस्थः कुरु कर्माणि ॥  
समबुद्धि व योग युक्त होकर कर्म करो

In Collaboration with

**codequotient**

Under the aegis of Kurukshetra University RUSA Project Society (KURPS) brings

## SUMMER OF C<>DE

**6 WEEKS LIVE ONLINE CODING COURSES**

Courses	Seats	Fee
Data Structures	40	Free
Web Development	40	Free
Cloud Computing	40	Free



Any student of university/college having the basic knowledge of Computer Programming can apply.



Only those who clear CodeQuotient entrance shall be eligible for admission to the course.



A joint certificate of Kurukshetra University and CodeQuotient will be awarded to all those completing the course successfully.

Registration

**July 13-23, 2020**

Online test

**July 25, 2020**

Results

**July 27, 2020**

Batch starts

**July 29, 2020**

**Register at - <https://forms.gle/6H7CU2gMRQNgYozz5>**

Contact: 9254289201, Email: [cita@kuk.ac.in](mailto:cita@kuk.ac.in), [info@codequotient.com](mailto:info@codequotient.com)  
<http://kuk.ac.in>, Team: Centre for I.T. and Automation



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# Centre for I.T. and Automation Kurukshetra University, Kurukshetra

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In collaboration with

**codequotient**

Under the aegis of Kurukshetra University RUSA Project Society (KURPS) brings

## SuperCoders

**3 Months Live Online**

**Full Stack Software Development Bootcamp**

**50 Seats    Fee - Free**



**Who can apply?** - Open for any qualified graduate or students pursuing their final year with CS/IT as major subject.



**Admission** - 20-25 hrs of online pre-course and assignments to be completed. Those who get minimum required scores in pre-course will have to appear for an entrance test based on the topics of pre-course.



**After the course** - All those who complete the course successfully, shall be awarded a joint certificate of Kurukshetra University and CodeQuotient, and exclusive interviews with our hiring partners

Registration

**Sept 21- Oct 4, 2020**

Mandatory Pre-course (20-25 hrs)

**Sept 21- Oct 4, 2020**

Online test

**Oct 7, 2020**

Results

**Oct 9, 2020**

Batch starts

**Oct 12, 2020**

**Register at - <https://forms.gle/Xs2pUJxWRxKxBWB86>**

Contact: 9254289201, Email: cita@kuk.ac.in, info@codequotient.com  
<http://kuk.ac.in>, Team: Centre for I.T. and Automation



**KURUKSHETRA UNIVERSITY TECHNOLOGY INCUBATION CENTRE (KUTIC)**

**UNDER RUSA 2.0**

**ANNUAL REPORT  
2019 -2020**

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**KUTIC**



**KURUKSHETRA UNIVERSITY TECHNOLOGY INCUBATION CENTRE**





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# INTRODUCTION

“**Kurukshetra University Technology Incubation Centre (KUTIC)** established under KURUKSHETRA UNIVERSITY RUSA PROJECT SOCIETY (KURPS) a society registered under “The Haryana Registration and Regulation of Societies Act, 2012”, Registration Number 02255, date 21.05.2019 and established by and at Kurukshetra University, Kurukshetra.

## Vision

To create an environment to translate knowledge and innovation into successful entrepreneurs

## Mission

KUTIC will create an environment for fostering, support innovation and knowledge-based entrepreneurship among the Kurukshetra University community contributing to wealth and social value creation through successful ventures.

## Objectives

- ❑ To foster and create a culture of entrepreneurship among students, alumni, and faculty, by providing them opportunities and infrastructure to translate their ideas into products.
- ❑ To facilitate incubatees with mentoring and conducive environment to nurture their innovative ideas.
- ❑ To liaison with funding resources, government agencies, industrial associations, chambers of commerce and industries to generate funding for incubatees

## Outcomes

- Creation of ecosystem for nursery incubatees, which will foster out of box thinking among students through innovation competitions.
- Improve industry-academia interaction.
- Generate employment and promote new technology/knowledge/innovation based startups.
- Creation of entrepreneurship tempo amongst students.

# ADVISORY BOARD MEMBERS



## **Dr. Anil Jain**

President, Vaiseshika Electron Devices,  
Ambala Cantt.

<https://www.linkedin.com/in/anil-jain-ph-d-a0465672/>

Dr. Anil Jain, holds a Ph.D. in Instrumentation from BITS, Pilani. He is also concurrently adjunct Professor at BITS, Pilani in the Department of Electronics and Electrical Engineering. He is an Institution of Electronics and Telecommunication Engineers (IETE) fellow. In April 2000, he received the 14<sup>th</sup> Lal C Verman Award from the IETE, New Delhi, for outstanding contributions in the field of quality control, precision measurement and standardization. In July 2004, he was also awarded the National Award for quality products in process control instrumentation by the Ministry of Small Scale Manufacturing, Government of India, New Delhi.



## **Dr. B. S. Satyanarayana**

Founder, Satya Bharathi  
Consultants, Bengaluru

<https://www.linkedin.com/in/bukinakere-s-satyanarayana-04887424/>

Prof. B.S.Satyanarayana, holds a Ph.D in Electrical Engg , a first in the area of Vacuum nano-electronics at Cambridge University UK. He has earlier held responsibilities including those of CEO, Vice Chancellor, CTO, COO, Strategic Planning, Analysis & Implementation (Institution building & branding, infrastructure creation, compliance enabling, change management), R&D, Think Tank Head & Skilling. He has published over 170 papers in journals and conference proceedings and delivered over more than 300 invited & contributed talks. He has been featured in Indian and International print & visual media. He holds 4 patents and has filed 10 more patents



## **Prof. Dinesh Goyal**

Professor, Thapar University, Patiala

<https://www.linkedin.com/in/dinesh-goyal-13026325/>

Prof. Dinesh Goyal, a Professor in Applied Microbiology and Biotechnology at Thapar University, Patiala. His research interest includes working with bioremediation microbial systems to improve soil fertility and crop production, development of cost effective protocol for mass production of microbial inoculants, etc. He has published more than 100 papers, holds two patents, 14 book chapters, and guided several B. Tech project work and 62 M. Tech and M. Sc. Thesis work. And 16 graduates with a Ph.D. 25 projects sponsored with research and technology demonstration completed



## **Mr. Vivek Atray**

(I.A.S Retd.) Corporate Mentor  
& Advisor, Chandigarh

<https://www.linkedin.com/in/vivek-atray-9464434/>

Mr. Vivek Atray, ex IAS, is a Motivational Speaker, Mentor, Advisor, Author and Visiting Professor. He has given 8 TEDx Talks and 3 JOSH Talks. Over 1.80 million people have seen his videos on YouTube. He is the founder of SUVICHAR Think Tank, Visiting Professor at Shoolini University, member of the CSR .He is also a founder of the Vibrant Networking Forum, Chandigarh Literary Society and Co-Convenor of INTACH Chandigarh. He is a member of the Governor's Advisory Council for Chandigarh UT.



## **Ms. Sarita Mishra**

Founder, Green Cosmos and  
Only Naturals, Bengaluru

<https://www.linkedin.com/in/sarita-mishra-870884a/>

Ms. Sarita Mishra, is a Founder of Green Cosmos and Natural, Bengaluru, She is an investor for Axis Global Solutions. She also worked as a Scientific Officer at Bhabha Atomic Research Centre, Department of Atomic Energy, India. She did Management Program for Women Entrepreneurs from Indian Institute of Management Bangalore.



# ADVISORY BOARD MEMBERS



## **Mr. Nipun Padha**

Vice President, MoMAGIC

Technologies Pvt. Ltd.

Gurgaon, Haryana

<https://www.linkedin.com/in/padhan/>

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Mr. Nipun Padha, a technology professional with broad experience of working in and on the business. His specialities include Market development, new product introduction, Market research, program management and ASIC Design and Development Management. He did his M. Sc. in Microelectronics from Kurukshetra University, Kurukshetra.



## **Prof. Anurag Srivastava**

Professor at ABV-Indian Institute of  
Information Technology and  
Management,  
Gwalior

<https://www.linkedin.com/in/anurag-srivastava-2a4b097/>

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Prof. Anurag Srivastava, He is Mentor for Advanced Materials Research Group, CNT Lab, IIITM. He is also Coordinator for Technology Innovation and Incubation Centre, IIITM. He is Editor in Chief, American Scientific Publisher journal of Systems Analysis and Software Engineering Associate Editor, American Scientific Publisher journal Quantum Matter Associate Editor, IJEEE.. Experienced professor with a established track record of working in the education management field. Having strong knowledge and technical competencies in Material Science, Nanotechnology, Software development, Technology, Incubation and Startups.

# ADVISORS/MENTORS

❑ KUTIC has created a pool of mentors and advisors to support the incubatees and startups. The panel consists of experts in various fields and we are trying to increase the number of mentors and advisors to have more experts from a range of fields to support the young entrepreneurs.



**Dr. Uddhab Kr. Bharali,**

D.Sc, Padma shri awardee  
Director-Innovation, Dibrugrah University  
and Tezpur University.

<https://www.linkedin.com/in/uddhab-bharali-a4a90525/>

Dr. Uddhab Bharali, received Padma Shri award in 2019, in the field of Science and Engineering grassroots innovations. He has created and patented more than 140 brilliant inventions made from things that we see or use on a daily basis. His innovations made lives better of people living in many rural areas.



**Mr. Devendra Jain**

Director, Pluss Advanced Technologies  
Pvt Ltd Gurgaon, Haryana

<https://www.linkedin.com/in/devendra-jain-8998381/>

Mr. Jain, did his post graduation in chemistry and polymer technology (U.K.). He has over 45 years of technical experience in the field of plastics and polymers. His credit has several accomplishments in basic and applied research development of synthetic paper based on BOPP being the major patent he holds.



**Mr. Ilam Chand Kamboj**

Managing Partner at Kamboj Law Chambers And  
Insolvency Professional, Gurgaon.

<https://www.linkedin.com/in/ilam-chand-kamboj-92a39a5/>

Mr. Kamboj, is the founder and managing partner of Kamboj Law Chambers, a consulting company for corporate and business law and management consultancy, dealing with all kinds of management, legal and secretarial concerns including strategic strategy, enhancement of management process, best corporate practices and controls.



**Prof. Chittaranjan Kole,**

Raja Ramanna Fellow, Govt. of India,  
ICAR-NIPB, Pusa, New Delhi, India.

Prof. Chittaranjan Kole is an internationally renowned scientist with an outstanding professional career spanning over 30 years. His research contributions, specifically in the fields of Agro-nanotechnology, Plant Genomics, Biotechnology and Biodiversity, have been leading to the Outstanding Crop Scientist Award, which was conferred upon him by the International Crop Science Society in 2012.



**Mr. Uday Wankawala**

Chief Executive Officer at  
Atal Incubation Centre-  
Rambhau Mhalgi Prabodhini, Thane, Maharashtra.  
<https://www.linkedin.com/in/udaywankawala/>

He has been actively involved as a collaborator, facilitator and motivator in the Indian Startup Ecosystem since 2010. He is involved in conceiving, planning and providing overall leadership for AIC-RMP with a goal to nurture and support New Age entrepreneurs for New Age India.



**Mr. Kunal Nandwani**

Cofounder and CEO  
uTrade Solutions, Mohali, Punjab.  
<https://www.linkedin.com/in/kunalnandwani/>

Mr. Kunal, is a start-up entrepreneur with expertise in technology, financial markets, block chain, electronic commerce and angle investing. He is author of Published Book "Squaring the Blockchain Circle" and upcoming Startup Book

# ADVISORS/MENTORS - ALUMNI



**Dr. Vinay Kumar**

Co-founder & Director  
PathShodh Healthcare, Bengaluru.

<https://www.linkedin.com/in/dr-vinay-k-chauhan-b0b760191/>

Dr. Vinay, an alumnus of Kurukshetra University, Kurukshetra. He did his Ph.D in Nano Science and Engineering from Indian Institute of Science, Bangalore. Bio-sensing technologies invented by Dr. Vinay are at the heart of PathShodh Health care. He has an extensive history in inventing and developing the new innovations for biosensor applications.



**Mr. Prashant Gaur**

Founder & Director  
Enzibeta Biotech, Hyderabad.

<https://www.linkedin.com/in/prashantgaur1/>

Mr. Prashant, an alumnus of Kurukshetra University, Kurukshetra. He is a versatile bench Scientist and active project manager with 17 years of fermentation research, involved in selection of clones, optimisation of the fermentation process, characterisation and scale-up.



**Dr. Varsha Singh**

Asst. Professor, Chitkara University,  
Founder & Director

Medzak Healthcare Pvt. Ltd, New Delhi  
<https://www.linkedin.com/in/dr-varsha-singh/>

Dr. Varsha an alumnus of Kurukshetra University, Kurukshetra. Her research interest includes non-communicable diseases, biomarker discover for organ cross talk, evolutionary studies. She and her team at MedZak developed multiuse point of care device, Meibox, a low-cost, portable point-of-care integrated diagnostic imaging system for ocular health. It can diagnose 9 different ocular diseases.



**Mr. Vikas Rana**

Group Manager  
(Non Volatile Memory design),  
Member of Technical Staff,  
ST Microelectronics, Noida.

<https://www.linkedin.com/in/vikas-rana-55029815/>

Mr. Vikas, an experienced engineer with a established track record in semiconductor industry. Skilled in non-volatile memory (FTP, MTP, eFlash , etc) Embedded device design, debugging, analog circuit design, and CMOS design. Solid engineering professional with a Masters Degree in Electronic Science, Kurukshetra University.



**Mr. Sanjay Ahuja**

Vice President, Accenture,  
Bengaluru.

<https://www.linkedin.com/in/sanjayah/>

Mr. Sanjay, an alumnus of Kurukshetra University, Kurukshetra. A tenacious technocrat with 24 years of intense track record in the IT sector's corporate planning and transformation programme, consultant and advisory, manger, centre of excellence, system management, business creation and partnerships management.



# ADVISORS/MENTORS



## **Dr. Sandip Patil**

**Founder & Director  
E-Spin Nanotech, Kanpur.**

<https://www.linkedin.com/in/dr-sandip-patil-87863814/>

Dr. Sandip, is an entrepreneur, technologist, Founder and Director of E-Spin Nanotech Pvt. Ltd, IIT Kanpur. A PhD in Chemical Engineering, IIT Kanpur. Some of his innovative work has featured in scientific news in CNN(U.S. edition), Mint and the wall street journal. He is a recipient of many prestigious awards that bear witness to his entrepreneurial and research skills.



## **Dr. Neera Tewari Singh**

**Assistant Professor,  
Michigan State University, USA.**

<https://www.linkedin.com/in/neera-tewari-singh-424b1a1a/>

Dr. Neera, is an Assistant Professor at Pharmacology & Toxicology at Michigan State University, USA. Her research's key long-term aim is to undertake both basic and translational studies in order to improve accepted and more efficient target counter measures/therapies, primary against dermal and ocular injuries from exposure to chemical threats.



## **Dr. Darshana Joshi**

**Co-founder, VIGYANshaala,  
STEM Educator & Mentor .**

<https://www.linkedin.com/in/darshana-joshi1210/>

Dr. Darshana Joshi, holds a doctorate from Cambridge University, U.K. A passionate physicist and former student leader who is committed to mentoring younger learners and bringing more women into STEM disciplines. Over 4 years of experience in experimental soft matter and biophysics and 3+ years of experience in growth of semiconductors, characterization, processing, and manufacturing of devices.



## **Dr. Shivani Gupta**

**Co-founder  
Inochi Care, New Delhi .**

<https://www.linkedin.com/in/shivani-gupta-7b47a127/>

Dr. Shivani, holds a doctorate in biotechnology from BITS, Hyderabad with expertise which aligns multidisciplinary research with needs of society and industry. She is also i-Fellow School of international Bio-design.



## **Habib Ali**

**Founder & CEO  
Beable Helalth, Hyderabad.**

<https://www.linkedin.com/in/habibali123/>

Mr. Habib, did his M. Tech in Biomedical Engineering from Manipal Institute of Technology. He is a fellow from Cambridge Judge Business School. He has also worked as a Co-founder for Seelen Healthtech Pvt. Ltd.



## **Nidhi Agarwal**

**Principal Scientist,  
Pluss Advanced Technologies  
Pvt. Ltd, Gurgoan.**

<https://www.linkedin.com/in/nidhi-agrawal-6892a241/>

Ms. Nidhi, received "Science Meritorious" award for her M. Phil Thesis, which focused on "enzymatic studies of nucleosides". Her research experience includes chemical synthesis of UV active compounds for DNA labelling, Stable Phase Change Material is one of the products that brought about a significant change in product pattern developed at PLUSS.



## **Ankit Jhanwar**

**Vice President  
Pluss Advanced Technologies  
Pvt. Ltd.**

<https://www.linkedin.com/in/ankit-jhanwar-52659699/>

Mr. Ankit, a graduate in Polymer Science and Engineering from IIT, Roorkee. He also completed a certificate course from the prestigious London School of Economics and Political Science in Entrepreneurship, Management and Global Leadership. At PLUSS, Ankit is head of Corporate Planning. He is expert in strategic planning and market forecasting and review.



## **Dr. Archana Chugh**

**Associate Professor,  
Indian Institute  
of Technology Delhi.**

<https://www.linkedin.com/in/archana-chugh-a21b9b17/>

Dr. Archana Chugh, is Associate Professor, Kusuma School of Biological Sciences, IIT Delhi. Her research interest includes Cell Penetrating Peptides (CPPs), Marine Bioprospecting and Plant Based Therapeutics. She is a qualified patent agent and has vast expertise in the area of Intellectual Property Right (IPR).



## **Rajani Bhandari**

**Senior Manager, Accenture  
Technologies Ltd, Bengaluru.**

<https://www.linkedin.com/in/rajani-bhandari-9150a44/>

Rajani Bhandari has over 19 years of experience in leadership, management and engineering, with the ability to deliver quality solutions. Relentless problem solver applying analytical, design and technical skills to oversee the entire development of software cycle.

# PROJECT ACTION GROUP OF KUTIC



**Dr. Anurekha Sharma**

Professor, Dept. of Electronic Science,  
Coordinator



**Dr. Anil Kumar Mittal**

Professor, University School of  
Management.  
Member



**Dr. Anita Yadav**

Professor,  
Dept. of Bio-Technology,  
Member



**Dr. Ashwani Mittal**

Associate Professor,  
Dept. of Biochemistry, IIHS,  
Member



**Dr. Hardeep Anand**

Associate Professor,  
Department of Chemistry.  
Member



**Dr. Reeta Devi**

Assistant Professor,  
Dept. of Electronics and Communications  
Engineering, U. I.E.T  
Member

## Incubation Consultant



**Dr. Srinadh Mattaparthi**



# “TRIGGERING THE SPIRIT OF INNOVATION- INNOVISION - 2019”



## INNOVISION-2019



### Kurukshetra University Technical Innovation Competition 2019

A newly established Kurukshetra University Technical Incubation Centre (KUTIC) invites new and original ideas from the Science and Engineering students which have potential for new innovations for InnoVISION-2019. The competition aims to encourage younger generation Scientists and Engineers for the brilliant innovations.

#### Eligibility

**Category-I:** Pre-final year UG/PG students of Physical Science, Engg., Life Sciences and Pharmacy (from UTD, Institutes & Affiliated Colleges)

**Category-II\*:** Students of Final Year & Alumni

**Category-III\*:** Research Scholars  
\*Only UTD and Institutes on the campus

#### Schedule

**Last Date of online submission :** 15<sup>th</sup> Sept., 2019

**Notification of shortlisted proposals :** 30<sup>th</sup> Sept, 2019

**Presentation of shortlisted proposals :** 16<sup>th</sup> Oct, 2019

**Start of the Project :** 16<sup>th</sup> Oct, 2019

**Completion of the Project :** 31<sup>st</sup> Jan, 2020

**Final Presentation and Evaluation :** 10<sup>th</sup> Feb, 2020

**Announcement of Awards :** 15<sup>th</sup> Feb, 2020

**Prize distribution : 28<sup>th</sup> Feb, 2020**

#### Prizes

**First : ₹ 70,000 (one prize for each category I, II & III)**

**Second : ₹ 50,000 (for category I only)**

#### About the Competition

- Proposals are invited for the execution and demonstration of original research and development ideas in the domains of Physical Sciences, Chemical Sciences, Basic Life Sciences, Pharmaceutical Sciences and Engineering.
- Proposals may include (but not limited to) executable concepts for an experimental demonstration or prototype setup/system development (Related to themes like Energy, Environment, Agriculture & Rural Development, Health, Drones, App Development, any other).
- Only one team (**not more than 3 students in a team**) per college will be allowed to participate. However, there is no restriction on the number of teams from UTD/Institutes in the campus.
- Selected teams shall be called for proposal presentation at KUTIC. **Selected proposals may be given grant upto ₹ 3 Lakhs for implementation of the project.**
- The selected proposals have to be executed by the students between October 2019 to January 2020 in the respective departments/college/institute.

For details visit: [www.kuk.ac.in](http://www.kuk.ac.in) ; Contact: [kutic@kuk.ac.in](mailto:kutic@kuk.ac.in)  
URL for submission : <https://forms.gle/Mcv4PA6B1fo7sQku8>





# TRIGGERING THE SPIRIT OF INNOVATION- INNOVISION 2019

## Introduction

“Kurukshetra University Technology Incubation Centre (KUTIC) invited new and original ideas from the Science and Engineering students which have potential for new innovations for Innovision-2019, which was launched on August 20<sup>th</sup> 2019.”

The aim of the competition is to:

- ❑ Support new and original ideas, which have potential for innovations. The competition will provide a prestigious regional platform to showcase their ideas of research and innovation.
- ❑ Popularizing science among young students.
- ❑ Recognition and nurturing of young talent within the University.
- ❑ Creating awareness among students about science and allied topics and its application to society.

## Teams Shortlisted

On October 16, 2019, Kurukshetra University Technology Incubation Centre (KUTIC) conducted evaluation of Innovision 2019 projects carried out under Science & Technology and Life Science in various categories. A total of 50 teams participated in the competition: **19** Teams in Category I (Pre-Final year), **27** Teams in Category II (Final Year & Alumni), **4** teams in Category III (Research Scholars). 20 projects out of 51 recommended for grant on the basis of their potential to address environmental issues, water problems, IOT, organic farming, power electronics and innovative design. The funding for the projects execution ranging from Rs 3000 to Rs 1.5 Lakhs.



# FINAL EVALUATION OF INNOVISION 2019 PROJECTS

## Final Evaluation

Feb. 15th  
2020



On February 15, 2020, Kurukshetra University Technology Incubation Center (KUTIC) conducted a final evaluation for Innovision-2019 projects carried out under Science & Technology and Life Sciences category at the AIH Committee Hall, KUK. The evaluation was held in the presence of evaluation committee members, including Dr. Anil Jain - President of Vaiseshika Electron Devices, Ambala Cantt.; Professor Dinesh Goyal- Dept of Biotechnology, Thapar University, Patiala and Mr. Devendra Jain - Pluss Advanced Technologies Private Limited, Gurgaon. along with PAG members of KUTIC from 10 am to 5 pm.

A total 16 out of 20 teams successfully executed their projects and participated in the final assessment. The assessment was done based on various criteria, i.e. majorly development of prototype, go to market strategy, target market and competitive advantage, by the evaluation committee members. 5 out of 16 ideas/proposals in various categories were chosen as final winners. It was proposed by evaluation committee members and PAG –KUTIC that, these 5 best ideas shall present the proof of concept/prototype that has potential for translating into a product during the National Science Day on dated 28<sup>th</sup> February 2020 in the presence of eminent personality *i.e.* Dr. Uddhab K. Bharali, a Padmashri Awardee (2019) for Science & Engineering-Grassroots Innovation and worthy Vice Chancellor of KUK, Dr. Kailash C. Sharma. The event closed by felicitating the evaluation committee members and by a vote of thanks.



# INNOVISION-2019 PRIZE DISTRIBUTION

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On February 28th, 2020, The event starts with the science exhibition, Chief guest Dr. Uddhab K. Bharali Padma Shri Awardee 2019, inspected the projects exhibited and displayed by InnoVision-2019 competitors in the field of science and technology. On this occasion, chief guest interacted with all the project members and appreciated in developing the prototypes for their innovations. A large number of students, faculty and other guests thronged the science exhibition. Then welcome of the guests and introduction of the Chief Guest and Importance of Science Day by Prof. R.K. Sharma, Dean Life Sciences. Followed by light lamping ceremony. Prof. Anurekha Sharma, Co-ordinator KUTIC, gave an account of the activities to be carried out at the KUTIC, which are: development of nursery incubators by organizing student invention competition, organization of expert talks and workshops and incubating startups.

**Prof. Manjula Chaudhary**, apprised the audience about various events and activities carrying out in the University. She mainly emphasised on different activities going under RUSA project. **Prof. Kailash Chandra Sharma**, Vice Chancellor, KUK, addressed the gathering by welcoming the Chief Guest Dr. Uddhab Bharali and shared his experiences about the innovations. He also shared the various events and activities carrying out in the University. Further, he appreciated KUTIC Coordinator Prof. Anurekha Sharma and the team, for their continuous efforts in encouraging and motivating the students to take part in the innovation ideas. He urged the students to innovate to meet local needs, and thus contribute to making in India.

**Dr. Uddhab K. Bharali**, Chief Guest addressed the audience by interacting students about the terminology innovation. Further, he shared his experience and how he came up with 140 innovations with simple design and mechanism, their usefulness in agricultural work. He talked about his innovations, how these energy-efficient and low-cost machines are simplifying several agricultural processes for many. Further, he emphasised on his innovation for differently disabled persons and helping out them.

Then, the InnoVision-2019 competition winners were felicitated at the hands of chief guest Dr. Uddhan K. Bharali. Finally, the event closed by felicitating the speaker and vote of thanks by Dr. Srinadh and followed by national anthem.

Feb. 28th  
2020



# WINNERS OF INNOVISION-2019 COMPETITION

Feb. 28th  
2020

INNOVISION-2019  
WINNERS



**Team: Ms. Sudha Yadav,  
Ms. Neha Kumari, Mr. Parshant**

Class: M.Sc. (I Year)

Department/Institute: Electronic Science  
Department, KUK

Title of the project: "Centralized Home  
Automation System"

Category: I (Pre-Final Year)

Cash Prize: 70,000/-



**Team: Mr. Ajay Chauhan, Mr. Vishal Saini  
and Mr. Rajat Kumar**

Class: B.Sc. (II Year)

Department/Institute: Electronic science and IT  
department, Sanatan Dharma College, Ambala  
Cantt

Title of the project: "Home Appliance Control  
Using Speech Recognition"

Category: I (Pre-Final Year)

Cash Prize: 50,000/-



**Team: Ms. Amit Phogat**

Class: Research Scholar

Department/Institute: Botany department,  
Kurukshetra University

Title of the project: "Studies on extraction  
and quantification of secondary  
metabolites from ROSA DAMASCENA  
and wild varieties"

Category: II (Final Year)

Cash Prize: 70,000/-



**Team: Mr. Chander Mohan, Mr. Naval  
Kishore Mehta and Dr. Sanjay Singh**

Class: M.Tech (II Year)

Department/Institute: Electronic science  
department, Kurukshetra University

Title of the project: "AI for Classroom  
Teaching Assessment"

Category: II (Final Year)

Cash Prize: 50,000/-



**Team: Mr. Anuj Sharma, Mr. Neeraj and  
Ms. Kriti**

Class: M.Sc. (Final Year)

Department/Institute: Institute of  
Environmental Studies, Kurukshetra  
University. Title of the project: "Judicious use  
of organic waste from KUK campus to form  
vermi compost – An economic and  
commercial approach"

Category: II (Final Year)

Cash Prize: 10,000/-

# INVITED TALKS

## Date

## Activity

## Description

▲ September 3<sup>rd</sup> 2019

Invited Talk by  
**Dr. Anil Jain**  
(President, Vaiseshika  
Electron Devices, Ambala Cantt.)

Title: Innovation: the locomotive  
Engine for Growth of Young India

▲ September 4th 2019

Invited Talk by  
**Mr. Vivek Atray**  
(IAS retd) Mentor,  
Advisor, Columnist and Visiting Professor

Title: Creative Thinking and Innovative  
Practices

▲ September 12th 2019

Invited Talk by  
**Mr. Ranjan Malik**  
(Co-founder & Managing Partner at  
PRIMALISE, Bengaluru)

Title: Ecosystem Innovation: Where the  
Small is Big

▲ September 27th 2019

Invited Talk by  
**Er. Anil Pradhan**  
Founder, International Public School  
For Rural Innovations(IPSFRI), Odisha

Title: Innovation in education with aid  
of science and technology



# INVITED TALK



- Kurukshetra University Technology Incubation Center (KUTIC) opened its activities in Kurukshetra University's Senate Hall in the presence of Prof. Kaislash Chandra Sharma, Vice-Chancellor, KUK, Prof. Manjula Chaudhary, Nodal Officer RUSA & Dean, Academic Affairs and the speaker of the day Dr. Anil Jain, President, Vaiseshika Electron Devices, Ambala Cantt. along with the members of Project Action Group(PAG) Prof. Anurekha Sharma, Prof Anita Yadav, Prof. Anil Mittal, Dr. Hardeep Anand and Ms Rita Devi.
- Prof. Anurekha Sharma, Coordinator KUTIC, gave an account of the activities to be carried out at the Technology Incubation Center, which are: development of nursery incubators by organizing student invention competition, organization of expert talks and workshops and incubating startups.
- The center's activities were kicked off by unveiling the poster followed by the vice-chancellor's inaugural address. In his speech, the Vice-Chancellor called on the students to think out of the box and simply not rely on bookish information. He urged them to innovate to meet local needs, and thus contribute to making in India. He stressed the Chandrayaan-2 project is the latest example of Make in India and Innovation. Whole world is in awe of India's achievement, which is using fully home-grown technology. India is proving on every front, so why would the Kurukshetra University lag behind others. He said that having a speaker who is not only an innovator, but also Kurukshetra University alumnus, who has contributed to Mars Orbiter Project and Chandrayaan-2 is indeed a moment of great honor.
- **Dr. Anil Jain**, in his talk entitled "Innovation: Locomotive Engine for Young India Development," said that the shrinking job market and the weakening of the economy made the situation very difficult for newly qualified engineers and scientists. The precipitating factors for low work prospects consist primarily of abysmally low ability set of trained youth and un-connectivity with the entire industrial world. He said he is here to answer students' concerns and show them the road map to turn their persona from an ordinary young Indian citizen to an ambitious Indian nation-builder. .

Sep. 3rd  
2019



## INVITED TALKS

The invited talk for the faculty of life sciences and pharmaceutical science organized by KUTIC was held in senate hall of Kurukshetra University in presence of Prof. Rajneesh Sharma, Dean of life sciences & Dean of pharmaceutical sciences, and the speaker of the day Mr. Vivek Atray (IAS Retd. & Motivational Speaker) along with the members of Project Action Group Prof. Anurekha Sharma, Prof. Anita Yadav and Dr. Hardeep Anand.

**Mr. Vivek Atray**, engaged the students on Creative Thinking and Innovative Activities. He inspired students to be different from the crowd in his lecture, and told them that real fear in life is like everyone else. He shared how he allowed the students to sit idle and think about themselves and their surroundings. He added that Calmness of mind is the key to success and it is human tendency that ideas generate in a relaxed and calm mind always. Mr. Vivek Atray compared life with a chess game and told the students that everyone will be packed in the same box after the game is over, now is the time to play the game before it gets over, people lose creative mentality as they grow up so it's best to keep the creative mind alive forever.



Sep. 4th  
2019

**Mr. Ranjan Malik**, an innovation specialist, speaker and writer/Co-founder and managing partner at PRIMALISE, was speaker of the event. He interacted and apprised the gathering about the continuous and rapid development of start-ups in the new world. He emphasizes on the fact that innovative ideas do not require a comfort zone or accessibility of resources ,all it requires is the zeal of doing something and enthusiasm of creation. He gave example of a concentration camp in Germany where having a book with you was a considered as crime but in the same environment people were writing books. He also claimed the *conventional schooling pattern that conditions a child to think only of the routine* and nothing else with the visual presentation he explained various parameters and processes in start-up business which included: *Challenging mental models ,Business model innovation ,Ecosystem innovation, replacement of Stagnant Market etc.*

Sep. 12th  
2019



# INVITED TALK



Kurukshetra University Technology Incubation Centre (KUTIC) presents  
INVITED TALK ON  
INNOVATION IN EDUCATION WITH AID OF SCIENCE & TECHNOLOGY  
By  
**Er. Anil Pradhan**  
Founder IPSFRI ( School for Rural Innovation) , Navonmesh Prasar Foundation

Sep. 27th  
2019

On September 27<sup>th</sup> 2019, Kurukshetra University Technology Incubation Center organized an invited talk on the topic Improving Rural Education by Science And Technology. This event was held in Senate Hall, KUK and was presided by. Prof. Anil Vohra, in presence of Speaker of the day Er. Anil Pradhan along with the members of programme action group: Prof. Anurekha Sharma, Prof. Anita Yadav, Prof. Anil Mittal, Dr. Hardeep Anand and Ms. Reeta Devi. Followed by, Prof. Anurekha Sharma, Coordinator KUTIC, welcomed the speaker as the youth icon of India. She urged students to think out of the box and stressed that Creativity follows on from Initiation and Motivation. Age has little to do with creativity, she added that, Er. Anil Pradhan is perfect example. Prof. Anita Yadav informed students about different competitions under BIRAC (Biotechnology Industry Research Assistance Council). Ms. Veena, research scholar, Biotechnology Department, introduced the speaker.

**Er. Anil Pradhan**, the youth innovation icon, lead designer of Asia's first student satellite mission, founder of IPSFRI School Orrisa, He communicated with the community and talked about the value of creativity and the sacrifices he made to achieve the success. He emphasized the fact that whether it is time or perseverance, Expenditure Always Pay back. He explained to the students how he started to think differently from a village in Orissa and the hardships he went through, saying that everyone could do it. Er. Anil Pradhan showed the students videos and images of his school where learning is not imposed as classes but is served as experiment and enjoyment. The school runs on the principle of  $E + E = E$  i.e. **Environment + Experiment = Experience**

All the students of his school are village children of economically weak background and are part of **tab based learning from the age of 9 -10** years. His school comprises of the labs called as **Tod Phod Jod, Kabbad se Juggad, Design Innovation Lab, Hydro lab** etc. Now the school has got aids from South Korea, China and Indian Government. IIT Delhi Rural Innovation Program has also joined up the project work with the school. He emphasized on the fact that Failure is the second name of success **You can never achieve success unless you fail in your attempts.**

# INVITED TALKS

## February-2020

### Date

### Activity

### Description

▲ February 7<sup>th</sup> 2020

Invited Talk by  
**Dr. Neera Tewari Singh**  
(An affiliated faculty of institute of integrative toxicology, Michigan State University, USA)

Title: Toxic Chemical Exposure

▲ February 11<sup>th</sup> 2020

Invited Talk by  
**Dr. Dharshna Joshi**  
CEO- Vignanshaala

Seminar on Women Innovators in STEM  
Title: Inclusivity, Innovation and Interdisciplinary

▲ February 19<sup>th</sup> 2020

Invited Talk by  
**Prof. S. S Gosal**, Director of research in Punjab Agricultural University (PAU) and  
**Dr. Archana Chug**, Associate Professor, IIT Delhi

Seminar on  
Innovation in Plant sciences

▲ February 20<sup>th</sup> 2020

Invited Talk by  
**Dr. Varsha Singh**,  
Founder & Director  
Medzak Healthcare Pvt. Ltd

Seminar on  
Innovations in Life Sciences



# INVITED TALK



On February 07, 2020, Department of Biochemistry, Kurukshetra University, Kurukshetra organized an invited talk sponsored by Kurukshetra University Technology Incubation Centre in Kurukshetra University's senate hall. The event started with welcome speech and followed by short speech by Guest of Honor, Prof. R. K. Sharma., Dean Life Sciences. The guest speaker was Dr. Neera Tewari Singh, Assistant Professor at Michigan State University, USA.

Prof. Anurekha Sharma, Coordinator KUTIC gave an account of the activities to be carried out at the Technology Incubation Centre, which are: development of nursery incubators by organizing student invention competition, organization of expert talks and workshops and incubating startups. Then the guest speaker Dr. Neera Tewari Singh was heartily welcomed and introduced by Prof. Ranjan Gupta, Dept. of Bio-Chemistry., KUK.

**Dr. Neera Tewari Singh**, in her talk, discussed about her research study to develop approved and more effective targeted therapies against ocular and dermal injuries resulting from exposures to chemical threats. How these chemical agents from industries and pesticides that can cause long term effects. Further, she also discussed on current research focusing on investigating the role of mast cells and related inflammatory responses to elucidating skin, systemic and/or lung injury mechanisms that lead to severe toxicity diseases induced by exposure to vesicating agents in civilian populations and war veterans a like. Finally, she interacted and motivated the students about the research opportunities on toxicology and pharmacology. The event closed by felicitating the speaker and vote of thanks.

**Feb. 7th  
2020**

# SEMINAR ON WOMEN INNOVATORS IN STEM



On February 11<sup>th</sup>, 2020, Women in STEM Forum in collaboration with Kurukshetra University Technology Incubation Centre (KUTIC) organized a seminar on women innovators in STEM in Kurukshetra University Senate Hall in the presence Prof. Kaislash Chandra Sharma, Vice Chancellor, KUK, Prof. Manjula Chaudhary, Nodal Officer RUSA and Dean Academic Affairs. Followed by Prof. Anurekha Sharma, Coordinator KUTIC, gave an account of the activities to be carried out at the Technology Incubator Centre, which are: development of nursery incubators by organizing student Innovision 2019 competition, organizing of expert talks and workshops and incubating startups.

**Prof. Manjula Chaudhary**, Dean Academic Affairs KUK, in her talk, apprised the audience about the objectives and outcomes about different activities undergoing in RUSA project and women in STEM at KUK. Later, the chief guest of the event **Prof. Kaislash Chandra Sharma**, Vice Chancellor KUK addressed the gathering with his valuable words about activities going around the campus, especially how women were actively participating and organising events. He appreciated all the organising team members, participants, invited guests speakers who are involved in Women in STEM event.

Further, the invited speaker **Dr. Dharshna Joshi**, CEO- Vignanshaala, shared her experiences on how they inspire and promote next-generation STEM learners by communicating current as well as novel scientific concepts through hands-on activities and demonstrations and create a multi-tier peer mentoring network for capacity building in early career researchers (PhDs, Masters' students) through science communication and public engagement in India. In her presentation, she talked about how 3I's for designing the future together "Inclusivity, Innovation and Interdisciplinary" Then, followed by the second invited speaker of the day **Dr. Saroj Jaipal**, Principal Scientist CCS Haryana Agricultural University, Hisar. In her talk, she discussed about advancement and innovation in agricultural system that are changing the world. How agriculture is changing through innovation and science and technology. The event closed by felicitating the speaker and followed vote of thanks

**Feb. 11th  
2020**





## INVITED TALK

On February 19th, 2020, Department of Botany organized a seminar on “**Innovations in Plant Sciences**” in collaboration with Kurukshetra University Technology Incubation Center (KUTIC). The event was held in the Faculty lounge of KUK in the presence of Chief Guest-Prof. Manjula Chaudhary, Dean Academic Affairs; Prof. Neelu Sood, Chairperson-Department of Botany; Dr. S. S Gosal & Dr. Archana Chugh, Speakers of the day; Prof. Anurekha Sharma - Coordinator KUTIC, other faculty members and students.



**Prof. S. S Gosal**, a director of research at Punjab Agricultural University (PAU), has been the recipient of various academic honors, including the Award of Royal Society, London (Bursary). His lecture was very interesting. During his talk, he had an enthusiastic conversation with students and shared his research experiences. In his talk, he emphasized particularly in plant tissue culture and recent advances related to it. He also shared his innovative idea with the students about assembling of plant traits in different ways to solve various problems related to medical challenges. Besides that, he gave a detailed overview of plant breeding methods and traditional biotechnology approaches and correlated with entrepreneurship. In his talk, he also discussed about current innovations in plants sciences and impact not only in agriculture but also in the economy of the country. Finally, he concluded with his remarks that there are tremendous opportunities in plant sciences and students can think about their career in it.

**Feb. 19th  
2020**

**Dr. Archana Chug** is an associate professor in Anupama school of Biological Science, Indian Institute of Tech, New Delhi. She has an expertise in the area of Intellectual Property Right (IPR).

Her session was so insightful that it cleared everyone’s concerns on patent processing and procedures belonging to new innovations. She gave an overview stating that IP Rights typically grant the creator an exclusive right for a certain period of time to use his/her creation. She advised the students that patents are needed to foster innovation, they are not only to incentivize innovation but also help to achieve best tradeoff.

In her talk, she discussed in detail about patent rights and also elaborated about how one can promote innovation by creating market of ideas. Later, she highlighted on different types of IPRs such as Trade Marks, Trade Secrets, Copyrights & Patents. Finally, she emphasized the significance of research and innovations to the students and described how one can generate their ideas into economical values. Nearly 300 participants had attended the event, including students, research scholars and faculty members from various Departments of Life Sciences and Sciences.





## INVITED TALK



On February 20, 2020, Department of Bio-Chemistry of Institute of Integrated & Honors Studies (IIHS) organized a seminar on the topic entitled, “Innovations in Life Sciences” in collaboration with KUTIC in the smart conference room of the IIHS, KUK. **Dr. Varsha Singh**, an Assistant Professor of Chitkara University (Chandigarh) and Founder & Director of Medzak healthcare Pvt. Ltd, New Delhi was the speaker of the day. In her talk, she gave an overview of her innovative product, *i.e.* Meibox, a low-cost, portable point-of-care integrated diagnostic imaging system for ocular health. She talked about how 300 million people worldwide suffering from visual defects with lack of proper and low cost diagnosed equipment’s/tools. Considering this serious issue, she along with her team developed multiuse (4 in 1) point of care device diagnosing 9 different ocular diseases. She explained that the existing ocular testing equipments are very expensive, sophisticated and non-transportable and not available in rural/semi-urban areas while her Meibox is a multi-use, non-invasive, cost-effective and easy to transport in any part of the world. In addition to her startup work, she also discussed about her academic research as well, *i.e.* personalized prediction of multiple organ dys-regulation and health risk events under non-communicable diseases. Besides that during question hours she shared all the challenges related to the process of developing of Meibox *i.e.* from getting of such innovative idea to generation of funds with students. She motivated the students about innovation and its necessity in the growth of the country. The event was closed by felicitating the speaker and by a vote of thanks.

**Feb. 20th  
2020**





**October-2019**

**WORKSHOP: START UP, SPIN UP AND ACCELERATE**

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# WORKSHOP: START UP, SPIN UP AND ACCELERATE



On 17th and 18th of October, the Kurukshetra University Technology Incubation Centre organised its first workshop on Start up, Spin up and Accelerate. The event was held in Senate hall, Kurukshetra University, Kurukshetra in the presence of invited speakers **Dr. Sangeeta Devni**, **Ms. Sarita Mishra** and **Mr. Narinder Jassal** Prof. Anurekha Sharma, Coordinator KUTIC, Prof. C. C. Tripathi, Director U.I.E.T, PAG Members of KUTIC and students. The purpose of the workshop was to encourage the students and budding entrepreneurs to develop new set skills and fostering entrepreneurship.

**Ms. Sarita Mishra**, started her talk by introducing the audience about some famous scientist entrepreneurs of all the time. She then discussed various elements bridging the gap between science and business. Followed by she gave a detailed overview of types of business entities for registering a business such as private limited company, Limited Liability Partnership (LLP), sole proprietorship, etc. She also addressed the students that choosing the right form of company or sector for any business helps in improving the chance of financial and operational success. Further, she discussed how one can take startup leap by considering few important elements such as scientific and business training, mentors support at every stage of startup journey, and personality traits. Followed by next speaker of the day, **Mr. Narinder Jassal**, enlightened about PRISM's Technopreneur Promotion Programme which allows individuals to avail the govt. Grants up to rupees 20 lakh for their start-ups. He also defined innovation as the sum of creativity and commercialisation.

**Dr. Sangeeta Devni**, in her talk, stated that a Guru or a Mentor is the light who guides us through the dark to great heights and explained the Kundli for the business. She then discussed about the technology, business models and platforms and the revenue models. Dr. Sangeetha, has shared her experience in drafting a business plan for their business. The event wrapped up by felicitation of the guests and vote of thanks with a short inspiring quote by Jim Rohn. -Whatever good things we build, end up building us.

Second day of the workshop was started by an invited talk on Intellectual Property Rights(IPR) by Ms. Sarita Mishra. In her talk, she introduced the audience how Intellectual Property Rights is most valuable asset of technology startup. She then discussed the advantages of IPR such as, increases valuation of a startup, generate revenue streams through licensing and cross licensing, earn royalties by licensing and can be sold to generate revenue.. Further, she discussed type of intellectual properties available and gave a detailed overview on each and every type. Finally, she shared few examples of IPR such as types of IPR, confidential agreements and how a balance sheet important for a startup.







**December 2019**

**ACADEMIA-INDUSTRY INTERACTION**

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# ACADEMIA-INDUSTRY INTERACTION

On December 3rd 2019, Kurukshetra University Technology Incubation Center (KUTIC) initiated its first Academia-Industry interaction with Ambala Scientific Instruments Manufacturing Association (ASIMA) in the Central Phoenix Club, Ambala Cantt. The ASIMA attended this meeting with its Chairman's representing different clusters of Ambala industry such as Microscope, Exporters, Electronics, Electricals, Heating/Cooling/Pharmacy, Glassware, Models, Physics, Agriculture/Medical, Engineering, Packaging and suppliers.

The purpose of the meeting is to 1. Develop a symbiotic relationship between Ambala Industries and University for mutual growth and benefit of industries and academia, thereby developing strong industry-academia interaction, 2. To identify the areas where faculty can help Industries in solving their technical problems in different science and technology domain depending upon the expertise and 3. To identify the areas where student support can be taken for strengthening the industry-academia interaction by providing students opportunity to provide services for upgradation of the technology or providing solutions for betterment of a product. This will eventually lead to service based startups .

The meeting started with a Welcome address by Mr. Sanjay Gupta, President of ASIMA followed by an introduction of all the current members of ASIMA and members of PAG, KUTIC. Mr. Gupta in his address note, he presented a brief history of the Ambala Industries. He mentioned that OSAW (short name of - Oriental Science Apparatus Workshops) was the first industry established in Ambala in 1920. In 1952, this industry worked remarkably and produced its first scooter which was ridden by Mr. Jawahar Lal Nehru, the first Prime Minister of India. Currently, about 2000 entrepreneurs are actively involved in this industry with an annual turnover of around INR 2000 crores (which includes both trading and import). In spite of that Ambala Industry is not at that height where it supposes to be. He further stated that low volume production and goods/equipments imported from China are the problematic issues that need to be addressed for the future growth of the Ambala industry. Moreover, he admitted that lack of actual knowledge input in terms of R&D is not appropriate and if this issue is not addressed in time will hamper the future growth of this industry.

Jan. 24th  
2020

A detailed discussions were held to develop a symbiotic relationship between Ambala Industries and Kurukshetra University for the mutual growth and benefit of industries and academia, thereby developing a strong industry-academia interaction. It was resolved that a program such as 'Know Your Product' can be undertaken for this purpose. Further, it was also discussed that, a visit of ASIMA delegates to different departments of the University was agreed upon by all the members to identify the areas where university faculty can help Industries in solving their technical problems in different science and technology domain depending upon their expertise. To identify the areas where student's support can be taken for strengthening the industry-academia interaction and also to develop the entrepreneur skills in the student, it was discussed and mutually agreed by all the members that technical report writing program for various scientific products of the industry should be assigned to the students. A mentor from industry and university may guide the students for this work. It was further discussed that reverse engineering is one of the way to develop a competitive and effective product. Therefore, short-/long- term training/project work may be undertaken by the students as the opportunity to provide services for up-gradation of the technology or providing solutions for betterment of an industrial product. This will eventually lead to service based startups. Finally, Mr. Vikas Varma was appointed as a Coordinator for problem sharing between the University and Ambala Industry. It was discussed and mutually agreed by all the members that problems related to unique/scare things or theme based challenges of the industry would be shared by him which will be floated to all departments of the university by KUTIC to find out the best possible solutions. Meeting ended with a vote of thanks by the President-ASIMA.

# ACADEMIA-INDUSTRY INTERACTION

On January 24th, 2020, Kurukshetra University Technology Incubation Center (KUTIC) organized an Academia-Industry Interaction meeting with Ambala Scientific Instruments Manufacturing Association (ASIMA delegates). The purpose of the meeting is to develop a symbiotic relationship between Ambala Industries and University for mutual growth and benefit of industries and academia, thereby developing strong industry-academia interaction

The event started with a welcome address by Prof. Anurekha Sharma, Co-ordinator KUTIC, followed by an introduction of Guest of Honour, Prof. Anil Vohra, Dean R&D KUK, all members of PAG, KUTIC and all the members of ASIMA delegates.

Prof. Anil Vohra, appraised the ASIMA delegates

A detailed discussion was held where student's support can be taken for strengthening the academia-industry interaction to develop the entrepreneur skills in the student by floating live projects (Real time projects of Industries working on). Delegates from ASIMA has advised the students of KUK to attend the events conducted by the ASIMA industries to develop a symbiotic relationship by exchanging the academic knowledge and industries skills.

Further, they have also discussed and mutually agreed about challenging problems related to the industry would be shared by ASIMA members which will be floated to all departments of the university by KUTIC to find out the best possible solutions. Later, members of ASIMA has visited different department laboratories in the University and interacted with chairperson,

faculty members and identify the areas where university faculty can help industries in solving their technical problems. Further, during the meeting with Vice- Chancellor, It was proposed that, an MoU agreement should be established between the ASIMA industry and KUTIC to develop symbiotic relationship between Ambala Industries and Kurukshetra University for the mutual growth and benefit of industries and academia. The event was ended by a vote of thanks by Prof. Anurekha Sharma.



Jan. 24th  
2020





# LET'S TALK WITH YOUNGPRENEURS



**KURUKSHETRA UNIVERSITY TECHNOLOGY  
INCUBATION CENTRE(KUTIC)**

In Collaboration with UIET Kurukshetra

Organises



## LET'S TALK WITH YOUNGPRENEURS

Invited Talk Series Feb-2020

**Venue: UIET Auditorium Time: 2:00 pm to 5:00 pm**



### Dr. Vinay Kumar - 24th Feb. 2020

PathShodh Healthcare - Co-founder & Director

Anjani Mashelkar Inclusive Innovation Award 2018

MIT under 35 innovators for the year 2017

CII Innovation Award 2017

### Nidhi Agarwal - 24th Feb. 2020

Pluss Advanced Technologies Pvt. Ltd. - Principal Scientist

MIT under 35 innovators for the year 2016

DST-Lockheed Martin Innovative Growth Program award-2015



### Prashant Gaur - 25th Feb. 2020

Enzibeta Biotech - Founder & Director

Hello Tomorrow Challenge: Top 500 deep tech start-up-2019

IKMC TOP 3 in industrial biotech - 2019

BIG-BIRAC grant award -2016



### Shivani Gupta - 25th Feb. 2020

Inochi Care - Co-founder

MedTech Innovator Asia Pacific Showcase Program 2019

pfizer Entrepreneurship Award 2018

MIT under 35 innovators for the year 2016



### Dr. Sandip Patil - 26th Feb. 2020

E-Spin Nanotech-Founder & Director

TIME India Start-up Innovator for the year (2017)

Awarded Top 5 Nano Technology Companies in India 2016 by SiliconIndia (2016)

Spirit of Manufacturing Awards: Most Promising International Business Leader Award (2015)



### Ankit Jhanwar - 26th Feb. 2020

Pluss Advanced Technologies Pvt. Ltd.-Vice President

MIT under 35 innovators for the year 2017

Wockhardt Technology Activist of the Year 2017

Top five Innovators under the FICCI-DST Lockheed Martin India Innovation Growth Prog.



FOR REGISTRATION <https://forms.gle/dDiQmNyuTbAjygrD8>



SCAN QR CODE

Last date for registration: 20th Feb.2020

#### CONTACT

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Phone: 8919566114



February-2020

# LET'S TALK WITH YOUNGPRENEURS

On February 24<sup>th</sup>, 2020, Kurukshetra University Technology Incubation Center (KUTIC) in collaboration with U.I.E.T, KUK, organized an event Let's Talk With Youngpreneurs, Invited Talks. The event was held in U.I.E.T Auditorium in the presence of Prof. Anil Vohra, Dean R&D and Prof. B. Prasad, Dept. of Electronics Science, invited speakers Dr. Vinay Kumar and Ms. Nidhi Agrawal, Prof. C.C. Tripathi, Director, U.I.E.T, PAG members of KUTIC, other faculty and students. The event started with welcome speech by Prof. C.C. Tripathi. Followed by Dr. Srinadh Mattaparthi, Incubation Consultant gave an account of the activities to be carried out at the KUTIC, which are: development of nursery incubators by organizing student invention competition, organization of expert talks and workshops and incubating startups. Then speaker's introduction by Prof. Anurekha Sharma and Dr. Sunil Dhingra



**Dr. Vinay Kumar**, (CEO & Cofounder: PathShodh Healthcare), He is an Indian Institute of Science, Bangalore alumnus with Ph.D. in Nano Science and Engineering. Bio-sensing technologies invented by Dr. Vinay are at the heart of PathShodh Healthcare. He has an extensive history in inventing and developing the new innovations for biosensor applications. Dr. Vinay himself, now on insulin pump therapy, is a juvenile diabetic (IDDM).

His Ph.D. work resulted in several patents and innovative diagnostic techniques for various markers of the disease. Dr. Vinay has much to his credit for scientific publications and patents. He also brings experience in the semiconductor industry for many years. The title of the talk for the day, is “My Journey with Pathology and Biosensors Technology” In his talk, he personally shared his own experience of being diagnosed diabetic at the age of 14 and he never halted his steps and created the first low cost device in the world for diagnosing Diabetes and 8 other health problems, only device in the world which can perform Glucose, HbA1c and Glycated albumin tests for efficient glycaemic control

Feb. 25<sup>th</sup>  
2020



**Ms. Nidhi Agrawal**, (Principal Scientist: PLUSS Advanced Technologies Pvt. Ltd.), Nidhi graduated from St. Stephens College, Delhi University (2005) in Chemical Sciences and did her postgraduate degree in Organic Chemistry, where she was named the best student of the year. She submitted her M.Phil Thesis in 2007. That focused on 'enzymatic nucleoside research' and won the prestigious 'Science Meritorious' prize. She created a team and created a few PCM's (Phase change Material). Form Stable PCM is one of the products that brought about a significant change in product pattern developed at PLUSS. The title of the talk for the day is “Innovating Plusustainability” Innovator of PCM, that helps to stabilise the temperature in cold areas like ladakh where night temperatures are usually below -20 degree Celcius. She explained the key points to innovate are interdisciplinary skills, agenda, exchange of ideas, meeting people and perseverance .Her project PCM is a relief to people of hilly regions from the nail biting winds

The event closed by felicitating the speaker and vote of thanks by Dr. Anuradha, Dept. of Mechanical Engineering UIET. The event closed by felicitating the speaker and vote of thanks.



## LET'S TALK WITH YOUNGPREENEURS



On February 25<sup>th</sup>, 2020, Kurukshetra University Technology Incubation Center (KUTIC) in collaboration with U.I.E.T, KUK, organized an event Let's Talk With Youngpreneurs, Invited Talks. The event was held in U.I.E.T Auditorium in the presence Prof. R. K. Sharma, Dean Life Sciences, invited Mr. Prashant Gaur, Prof. C.C. Tripathi, Director, U.I.E.T, PAG members of KUTIC, other faculty and students. The event started with welcome speech by Dr. Ashwani Mittal. Followed by Dr. Srinadh Mattaparthi, Incubation Consultant gave an account of the activities to be carried out at the KUTIC, which are: development of nursery incubators by organizing student invention competition, organization of expert talks and workshops and incubating startups. Then speaker introduction by Prof. Anita Yadav

**Mr. Prashant Gaur** – Founder, Enzibeta Biotech, Hyderabad, a versatile bench Scientist and active project manager with 17 years of fermentation research, involved in selection of clones, optimisation of the fermentation process, characterisation and scale-up. In addition he is also involved in leading and overseeing research and development programs and pilot projects. The title of the talk for the day “Starup: A Roller Coaster Ride” In his talk, he shared his unforgettable experience during his Master’s program in KUK campus. Further, he started his talk by interacting with the students about how to set the startup and shared his experience in setting of his company. He categorically said “Start ups are like Roller coaster rides and not a one night fight”. The event was end by vote of thanks by Mr. Archit Sharma, Asst. professor, UIET.

Feb. 25<sup>th</sup>  
2020





# LET'S TALK WITH YOUNGPRENEURS



**Feb. 26th  
2020**

On February 26<sup>th</sup>, 2020, Kurukshetra University Technology Incubation Center (KUTIC) in collaboration with U.I.E.T, KUK, organized an event Let's Talk With Youngpreneurs, Invited Talks. The event was held in U.I.E.T Auditorium in the presence of Prof. Shyam Kumar, Dean Engineering, invited speakers Dr. Sandip Patil and Mr. Ankit Jhanwar, Prof. C.C. Tripathi, Director, U.I.E.T, PAG members of KUTIC, other faculty and students. The event started with welcome speech by Prof. C.C. Tripathi. Followed by Dr. Srinadh Mattapparathi, Incubation Consultant gave an account of the activities to be carried out at the KUTIC, which are: development of nursery incubators by organizing student invention competition, organization of expert talks and workshops and incubating startups. Then speaker's introduction by Dr. Hardeep Anand and Dr. Ashwani Mittal.

**Mr. Ankit Jhnawar**, a graduate in Polymer Science and Engineering from IIT, Roorkee (2011). He also completed a certificate course from the prestigious London School of Economics and Political Science in Entrepreneurship, Management and Global Leadership, and additionally earned the CFA Institute level 2. At PLUSS, Ankit is head of Corporate Planning and is actively involved in forecasting sales and revenue purchasing deals, scheduling and reviewing MIS, and working closely on production planning and management of financial activities. He is expert in strategic planning and market forecasting and review. The title of the talk for the day "Why most Innovations fail". He started his talk by Q&A to interact with students. Then he shared his journey of mistakes and improvements failures and success. Later, he discussed about PCM (Phase change Material), that helps to stabilise the temperature in cold areas like ladakh where night temperatures are usually below -20 degree Celcius. Further, he also discussed about the innovations and products of Pluss Advanced Technologies. Finally, he also shared marketing aptitude as it is important for product to be innovative as well as sustainable.

**Dr. Sandip Patil**, he is an IIT-Kanpur alumnus, An enthusiastic first-place researcher at IIT-K also an epitome of entrepreneurship.. He holds a PhD in Chemical Engineering, and specializes in nanotechnology and adhesives. Dr. Sandip is also a co-inventor of an Indian patent on composite reusable adhesive and that of a US patent which is under process. Some of his innovative work on fabrication of composite reusable adhesives has featured in scientific news in CNN (U.S. edition), Mint and the Wall Street Journal.

The title of the talk for the day "Create a Brand and Transform Your Dream Into Reality". In his talk, he personally shared his journey, raising from small village to successful business person. Later, he talked about the various products of his company such as face masks, electro spinning machines etc. Further, he also shared the importance of technology based products, especially nanotechnology products in various applications. He ignited the students to work hard and continuously and be consistent He also added that problems are actually opportunities to work, to create, to empower.

The event closed by felicitating the speaker and vote of thanks by Dr. Srinadh, Incubation Consultant, KUTIC.





## March-May 2020

Fight Against COVID-19: IDEAthon 2020

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## KUTIC ACTIVITIES DURING LOCKDOWN

<u>Date</u>	<u>Activity</u>	<u>Description</u>
▲ March 30 <sup>th</sup> 2020	<b>KUTIC-IDEAthon: A Fight Against COVID-19 – Call for Proposals</b>	The programme aimed to encourage and involve the KUK community in the fight against the COVID 19 pandemic situation
▲ April 18 <sup>th</sup> 2020	Invited Talk by <b>Mr. Sanjay Ahuja,</b> Vice- President, Accenture, Bengaluru.	Webinar on Artificial Intelligence Powered Engineering
▲ April 22 <sup>nd</sup> 2020	Invited Talk by <b>Dr. Ashwin Kotnis,</b> Associate Professor Department of Biochemistry All India Institute of Medical Sciences (AIIMS) Bhopal, Madhya Pradesh.	Webinar on "Research and Innovation opportunities for seeking a solution to COVID-19 pandemic"
▲ May 2 <sup>nd</sup> 2020	Invited Talk by <b>Ms. Rajani Bhandari,</b> Senior Manager at Accenture Technologies Ltd, Bengaluru.	Webinar on "Embedded Systems and Internet of Things"
▲ May 9 <sup>th</sup> 2020	Invited Talk by <b>Mr. Habib Ali,</b> CEO & Founder, Beable Health, Center for Healthcare Entrepreneurship (CfHE) – IIT Hyderabad.	Webinar on "ARMABLE" GAME based ARM REHABILITATION DEVICE"





## KUTIC ACTIVITIES DURING LOCKDOWN

<u>Date</u>	<u>Activity</u>	<u>Description</u>
▲ May 13 <sup>th</sup> 2020	Invited Talk by <b>Mr. Parshant,</b> MSc- Electronic Science Department, KUK.	First Student's Tech Talk on "Arduino Programming"
▲ May 16 <sup>th</sup> 2020	Invited Talk by <b>Prof. B.S.Satyanarayana,</b> Founder & CEO, Satya Bharathi Consultants, Bengaluru.	Webinar on "A Multidisciplinary Systems Approach To 21st Century Education 4.0 Based Experiential Learning, For Enabling Employment, Research, Innovation & Entrepreneurship"
▲ May 22 <sup>nd</sup> 2020	Invited Talk by <b>Mr. Uday Wankawala,</b> Chief Executive Officer at Atal Incubation Centre- Rambhau Mhalgi Prabodhini, Mumbai.	Webinar on "Student iDEA to Startup journey"
▲ May 30 <sup>th</sup> 2020	Invited Talk by <b>Dr. Anil Jain,</b> President, Vaiseshika Electron Devices, Ambala Cantt.	Webinar on "Leveraging Modern Tools of Communication to optimize your Entrepreneurial Initiatives"

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# KUTIC-IDEAthon

## KUTIC-IDEAthon: A Fight Against COVID-19 – Call for Proposals



The poster features the KUTIC logo at the top left, the Kurukshetra University logo at the top center, and the PLISA logo at the top right. The main title 'KUTIC-IDEAthon' is in large red letters, followed by 'A FIGHT AGAINST COVID-19' in black. Below this is a stylized illustration of a virus particle. The text 'CALL FOR PROPOSALS' is in blue. The submission details are in red and blue: 'SUBMIT ORIGINAL AND INNOVATIVE IDEAS: LOW COST SANITIZERS, VENTILATORS, MASKS, IMMUNOMODULATORS, AI-BASED APPS ETC. (PROTOTYPE NOT MANDATORY)', 'ELIGIBILITY: STUDENTS, RESEARCH SCHOLARS, ALUMNI.', and 'LAST DATE FOR THE SUBMISSION: 3RD MAY 2020'. It also states 'GUIDELINES WILL BE MADE AVAILABLE ON REQUEST' and 'FOR SUBMISSION: USE THE LINK BELOW' with the URL <https://forms.gle/ZcMWg9eHHkKUZSn7>. A QR code is provided with the text 'SCAN QR CODE' below it. The footer of the poster reads 'KURUKSHETRA UNIVERSITY TECHNOLOGY INCUBATION CENTRE'.

March 30th  
2020

As the entire world is taking all necessary steps to ensure that we are prepared to meet the challenge and danger presented by the growing COVID 19 pandemic – The Corona virus.

Kurukshetra University Technology Incubation Centre (KUTIC) took initiative and launched KUTIC-IDEAthon programme on March 30<sup>th</sup> 2020 to encourage and involve the Kurukshetra University community to take part in the fight against COVID 19 by calling proposals to develop low cost sanitizers, low cost ventilators, masks, immunomodulators and AI-based apps.

A total of 20 teams participated in KUTIC IDEAthon and 12 teams out of 20 have been shortlisted for the final evaluation (in person presentation), which will be held in the month of August tentatively after 15<sup>th</sup> August, 2020/ whenever students will be allowed to come to the university.

# Webinar on “Artificial Intelligence Powered Engineering”

The screenshot shows a webinar interface. On the left, a presentation slide titled "WHAT ARE THE COMPONENTS OF ARTIFICIAL INTELLIGENCE..." is visible. In the center, a video feed shows the speaker, Sanjay Ahuja. On the right, a slide titled "TIMELINE OF AI" displays key milestones: 1943 (TURING TEST), 1950 (I, ROBOT), and 1956 (ARTIFICIAL INTELLIGENCE).

Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on “Artificial Intelligence Powered Engineering” on 18<sup>th</sup> April 2020, its first activity during lockdown to encourage the students helping in broaden their skills to attain new knowledge in addition to regular academic subjects. Prof. Manjula Chaudhary, Dean Academic Affairs, was the guest of the honor for the webinar and Mr. Sanjay Ahuja, Vice-President, Accenture Technologies Ltd. Bengaluru, was the speaker of the day, who was welcomed by Dr. Srinadh, Incubation Consultant, KUTIC. The invited talk was preceded by short speech by Prof. Manjula Cahudhary. She gave an account on various activities going under RUSA 2.0 project and appreciated the speaker for his contribution in giving the talk. Followed by, Prof. Anurekha Sharma, Coordinator KUTIC has introduced the speaker to the audience and appraised the audience about the objectives of the webinar. Mr. Sanjay Ahuja, started his talk by giving an insight of timeline of Artificial Intelligence (AI) from Turing (1950) to Eugene Goostman, Alexa (2014). He then talked about classifications of AI such as strong AI and week AI, followed by the evolution of outcomes and solutions provided by Artificial Intelligence (AI). Further, he discussed about the industrial evolution from mechanical to Cyber Physical World, which has evolved over a period of time, converging Information and Operational Technology. He gave a detailed overview of technologies encompassed by Artificial Intelligence such as, virtual agents, robotic process automation, natural language processing, image recognition and machine learning. Then he discussed about various components of Artificial Intelligence (AI), emerging AI technologies and solutions, how AI play an important role in modern world in various fields like banking, healthcare, transportation, communications etc. Further, he also discussed about how different levers were useful to create value from AI, that each AI value lever delivers specific and tangible benefits to the enterprise. Later, he talked about risks and challenges of AI, and shared an example how AI is used to diagnose the COVID 19. Finally, he gave an overview of opportunities in the field of Artificial intelligence. The webinar was attended by 75 participants of Science and technology stream, who participated with a lot of zeal during the interactive session with the speaker. Webinar ended with a vote of thanks.

April 18th  
2020

## MACHINE LEARNING FOR COVID-19 AN EXAMPLE OF THE PRINCIPLES OF SENSE, COMPREHEND AND ACT



## AI RISKS AND CHALLENGES





# Webinar on “Research and Innovation opportunities for seeking a solution to covid-19 pandemic”

### Funding opportunities for innovations

### COVID-19

### Airlens Minus Corona

- IIT and AIIMS alumni have developed a device called Airlens Minus Corona that will travel on streets to sterilise the city.
- It will sterilise the surfaces which may cause the spread of the coronavirus in hospitals, bus stops, railway stations, shopping malls and other public places
- It electrifies water droplets to kill coronavirus using charged or ionised water droplets.
- Such ionised water droplets can help in the oxidation of viral proteins into non-harmful molecules. Oxidation is one of the most potent antimicrobial tools.

Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on “**Research and Innovation opportunities for seeking a solution to covid-19 pandemic**” on **22nd April 2020** to make the students aware of the health risks posed by Covid-19 and the ways in which science and technology may be used to seek viable solution in a short time. The speaker of the day **Dr. Ashwin Kotnis**, Associate Professor, Department of Biochemistry, All India Institute of Medical Sciences (AIIMS) Bhopal, Madhya Pradesh who was welcomed by Dr. Srinadh, Incubation Consultant, KUTIC and introduced by Prof. Anurekha Sharma, Coordinator KUTIC the faculty and the students. Dr. Ashwin Kotnis gave an insight into outbreak of Coronavirus, factors affecting Covid19 and the challenges of tackling of corona virus. He gave a detailed overview of how SARS CoV2 virus can cause the Covid19 disease affecting various organs of the body. He emphasized the role of R&D in finding a viable solution to tackle pandemic by making low cost herbal/organic sanitizers, masks, ventilators, drug development, etc. He discussed few innovations from the students from different part of the country and world for detection and prevention of COVID-19. He encouraged the students to come up with innovative solutions to detect SARS-Cov2 by developing low cost technology based on AI and mobile applications and use the knowledge of life sciences for development of PPE, masks and drugs. He gave an overview of funding opportunities, which can give a kick-start to their ideas and translate them into viable innovative products. He also assured the students of all help at his end and urged KUTIC to consider the possibility of signing an MOU with AIIMS, Bhopal. The webinar, was attended by around 100 participants, who participated with a lot of zeal in the interactive session with the speaker. Webinar ended with a vote of thanks.

**April 22nd  
2020**

### Drones

Students from IIT, Guwahati have made a drone equipped with an automated sprayer. This drone can be used to sanitise public areas like roads, parks, which could help in preventing spread of coronavirus.

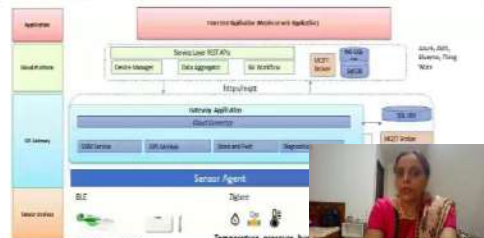
# Webinar on “Embedded Systems and Internet of Things”



## Embedded systems examples In Your Daily Life



## Architecture of IoT



Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on “**Embedded Systems and Internet of Things**” on **02<sup>nd</sup> May 2020**. The speaker of the day **Ms. Rajani Bhandari**, Senior Manager, Accenture Technologies Ltd. Bengaluru, who was welcomed by Dr. Srinadh, Incubation Consultant, KUTIC and introduced by Dr. Reeta Devi, PAG Member, KUTIC. Ms. Rajani Bhandari, introduced the audience to Embedded systems, its specific functions, how embedded software is in every electronic devices used in our daily life such as mobile phones, digital camera, washing machine etc. She then discussed about embedded systems and its importance in IoT, their characteristics of real-time computing, low power consumption, high availability which are becoming key enablers of IoT. She also introduced the audience about need of Internet of Things (IoT), how IoT connects all the potential devices to interact with each other by using internet to provide comfort life to humans. How network physical objects such as devices, sensors, actuators that are connected on the internet, how each connected object is uniquely identified and has the ability to transfer data over a network without a human to human or human to computer interaction. Then she gave a detailed overview of IoT, characteristics of IoT, fundamental components of IoT such as sensors/devices, gateway, cloud and user interface and architecture of IoT. Followed by detailed discussion on applications of IoT in various fields such as logistics and supply chain, vehicle monitoring and accident rescue, healthcare, agriculture, and mines. Further, she discussed the challenges in IoT such as security, privacy, handling huge data volumes, real time actions and complex event processing. Later, she discussed about edge computing and data storage closer to the device to reduce latency issues and how IoT enables device monitoring and controlling efficiently in real-time. Finally, she interacted with students and discussed the opportunities in the field of IoT. The webinar was attended by 130 participants, who participated with a lot of zeal in the interactive session with the speaker. Webinar ended with a vote of thanks.

May 2nd  
2020

## IOT in Agriculture



## Vehicle Monitoring and Accident Rescue



# Webinar on “ARMABLE – A Game Based Arm Rehabilitation Device”

## PATENTED ARM REHABILITATION DEVICE PROBLEM

The composite image illustrates the ARMABLE device and its application. On the left, the 'armable' device is shown as a desk-mounted system with a monitor and a specialized input device. Below it are icons for 'SAVE SPACE', '15X INCREASED REPETITION', 'PRECISE & RECOVERY DATA', and '360° REHABILITATION'. The central flowchart shows a cycle between a 'Therapist' and a 'Patient' using the 'ARMABLE' device. The cycle includes 'Goal Setting', 'Virtual Reality based Serious Games', 'Motivation', 'Progress Information', 'Adherence Tracking', 'Movement Tracking', 'Cloud Storage', and 'Self Rehabilitation'. To the right, a pyramid diagram lists market statistics: 'Target Number' (2.1 Million stroke victims, 85% with upper limb disability, 50,000 therapists), 'Quality' (100,000 therapists only), and 'Market' (100 Million CAPEX, 2.1 Billion CAPEX, 100 Billion USD). A small inset shows a person speaking.

Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on “**ARMABLE – A Game Based Arm Rehabilitation Device**” on **02<sup>nd</sup> May 2020**. The speaker of the day **Mr. Habib Ali**, Founder & CEO, Beable Health, Hyderabad, who was welcomed by Dr. Reeta Devi, PAG Member, KUTIC and introduced by Prof. Anurekha Sharma, Coordinator KUTIC. Mr. Habib Ali, started his talk by interacting with the students about entrepreneurship, and risk management in entrepreneurship. Then he shared his personal experiences regarding his academics, work experience, passion for entrepreneurship and how he has started his Beable Health startup. Later, he introduced the audience a four step process, observe, problem, Needs statement and Outcomes, how one can be successful regardless of field whether it is a job or startup. Focusing on startups, he further emphasized on four step processes, how one should observe what’s happening around them, identify the problem that people are facing, identifying the need of people and finding the solution which leads to successful startup. He also introduced the audience about his innovative arm rehabilitation device, which aimed at neuro-rehabilitation of stroke victims and rehabilitating upper motor impairment victims due to conditions such as cerebral palsy, multiple sclerosis, traumatic brain injury, fracture, frozen shoulder etc. He also stated that, the innovative device “ArmAble” addresses a growing need for the upper limb for intensive, stimulating and regular rehabilitation therapy. Further, in his insightful presentation, he projected the working of Armable rehabilitation device used by various paralyzed people. The webinar was attended by around 100 participants, who participated with a lot of zeal in the interactive session with the speaker. Webinar ended with a vote of thanks.

May 9th  
2020





# Tech Talk on “Arduino Programming”.

## ARDUINO TECH-TALK

Parshant

## WHAT'S ON YOUR ARDUINO



Kurukshetra University Technology Incubation Centre (KUTIC) opened its first students “Tech Talks” (Online) activity, a talk series on business ideas and technology-related topics during lockdown to encourage and motivate the students to broaden their skills on various technology related areas. Dr. Ashwani Mittal, PAG member, KUTIC has given the welcome address and asserted why student Tech Talks were important. The first “Tech Talk” was held on 13<sup>th</sup> May 2020 and the title of the talk was “Arduino Programming”. Mr. Vikas Varma, Founder: M/s Electromotive Engineers at HSIIDC, Saha, was the Technical expert for the event. The invited talk was preceded by short speech by Mr. Vikas Varma. He shared his valuable experiences on Embedded Systems, Digital Electronics and Power Electronics. He appreciated the KUTIC community for the great initiative and congratulated the speaker for his good start. **Mr. Parshant**, of M.Sc. Electronic Science, KUK was the speaker of the day. Mr. Parshant, started his talk by introducing himself and gave an insight of his talk about arduino programming. He gave a detailed overview of Arduino, the essential components of Arduino and how arduino platform is used to build the projects in the field of electronics. He also introduced to the audience about different types of arduino such as Arduino Nano, Arduinio Mini, Arduino Uno etc. and suggested Arduino Uno is one of the most popular boards in the Arduino family and a good choice for beginners. Further, he gave a detailed overview on Thinkercad, and how thinkercad is used for 3D design, electronics and coding. Besides this, he also gave a live demo to audience regarding how to program in arduino by explaining step by step instructions. The Tech Talk was attended by 75 participants from Science and Technology stream, who participated with a lot of zeal during the interactive session with the speaker. Tech Talk ended with a vote of thanks.

May 13th  
2020

## DIFFERENT TYPES OF ARDUINO



# Webinar on "A Multidisciplinary Systems Approach To 21st Century Education 4.0 Based Experiential Learning, For Enabling Employment, Research, Innovation & Entrepreneurship"

## A Multidisciplinary Systems Approach To 21st Century Education 4.0 Based Experiential Learning For Enabling Employment, Research, Innovation & Entrepreneurship

Prof. B. S. Satyanarayana Ph.D (Cambridge UK)

Founder & CEO, Satya Bharathi Consultants, Bangalore

Emeritus Professor & Strategic Consultant (MBA)  
Executive Financial Advisor  
Former Founder Vice Chancellor, BML Munshi



### Global Innovation Index (GII)2019

India Ranked 52<sup>nd</sup> /129 Nations (GII)

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1. Switzerland (number 1)       | 11. Korea, Republic of (12) |
| 2. Sweden (3)                   | 12. Ireland (10)            |
| 3. United States of America (5) | 13. Hong Kong (China) (14)  |
| 4. Netherlands (2)              | 14. China (17)              |
| 5. United Kingdom (4)           | 15. Japan (13)              |
| 6. Finland (7)                  | 16. France (16)             |
| 7. Denmark (8)                  | 17. Canada (18)             |
| 8. Singapore (5)                | 18. Luxembourg (15)         |
| 9. Germany (9)                  | 19. Norway (19)             |
| 10. Israel (11)                 | 20. Iceland (23)            |

Indian ranks 77<sup>th</sup> in global Sustainable Development Index (SDI)

Assessment based on about 116 indicators

broadly grouped into 5 sub-indices:

- Natural Capital,
- Resource Efficiency & Intensity,
- Intellectual Capital,
- Governance Efficiency, and
- Social Cohesion.



Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on "A Multidisciplinary Systems Approach To 21st Century Education 4.0 Based Experiential Learning, For Enabling Employment, Research, Innovation & Entrepreneurship" on 16<sup>th</sup> May 2020. The speaker of the day Prof. B. S. Satyanarayana, Founder & CEO, Satya Bharathi Consultants, Bengaluru, who was welcomed by Dr. Hardeep Anand, PAG Member, KUTIC and introduced by Prof. Anurekha Sharma, Coordinator KUTIC. Prof. B. S. Satyanarayana, in his talk introduced his organization Satya Bharathi consultants' vision and approach. He also shared his organization's principle is to Teach, Reach and Enshrine. In his lecture, Prof. B. S, Satyanarayana, emphasized on education and learning for education 4.0, how universities must align their teaching with technical developments in order to prepare potential students for the opportunities by integration of skills in curriculum documents, it is also necessary to indentify the knowledge levels and skills at both practice and policy level. It may be considered similar to replacing manual jobs with machine handled tasks that occurred in the 21<sup>st</sup> Century as a revolution. By stating, the key 21<sup>st</sup> Century skills will be 4C's Critical Thinking, Collaboration, Communication and Creativity. Then he gave an overview of current Indian higher education scenario, how India projected to be a \$ 5 Trillion economy by 2023, soon 600 Million people in the age group of 15 to 30 would need quality education and skilling. how education 4.0, 21<sup>st</sup> Century framework for skills and Industry 4 in the Era of knowledge economy is expected to be as learner centric, facilitating life long learning, multidisciplinary focused and ability to laterally and critically think and leverage the skills and competency. He then discussed about world intellectual property, shared his views on how countries like US, China and other European countries has filing Patents every year. Later, he introduced the audience about simple approaches to enable ourselves to be employable, innovative, research oriented and entrepreneurial. In his talk, he also stated that innovation can happen with a multidisciplinary approach and never with a linear or one-dimensional approach. Further, he also shared that, through multi-disciplinary immersive experimental and a system design thinking approach how they have been working towards outcomes in a systematic way. Finally, he also gave an overview about the industry, academic and government policy collaborations with their organization. The webinar was attended by around 150 participants, who participated with a lot of zeal in the interactive session with the speaker. Webinar ended with a vote of thanks.

May 16th  
2020



# Webinar on “Student IDEA to Startup Journey”

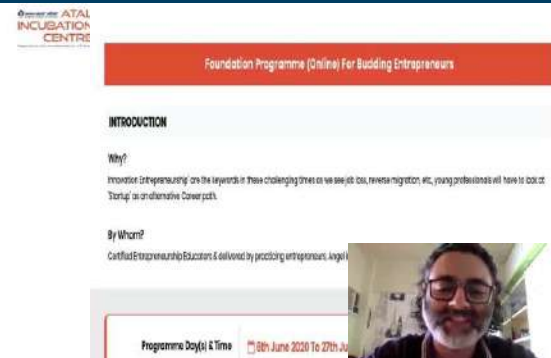


Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on “**Student IDEA to Startup Journey**” on **22<sup>nd</sup> May 2020**. **Mr. Uday Wankawala**, CEO, Atal Incubation Centre-Rambhau Mhalgi Prabodhini, Mumbai, was the speaker of the day, who was welcomed by Dr. Ashwani Mittal, PAG member, KUTIC. Followed by, Prof. Anurekha Sharma, Coordinator KUTIC introduced the speaker to the audience attended the webinar. Mr. Uday Wankawala, began his talk by sharing his vast experience on startup ecosystem, guiding and mentoring various startups. He then discussed the process of Student idea to startup journey, how one can lead successful startup journey by considering some of the personality traits such as passion, setting a mission that we want change or solving a problem, to self-belief or confident on what we work on, hunger to learn more new things and being truthful. By presenting a graph, he gave a detailed overview of entrepreneurial journey, how one shall find a purpose through analysis of four components like Passion, Mission, Profession and Vocation. He also discussed about how a student can take an entrepreneur's journey and what are the opportunities to look out while studying. He then shared his working experiences with various student entrepreneurs and their startups, which includes Team Prayaas, Greensole, and Ashioto Analytics for their brilliant performances. Then he emphasized the steps to develop an idea for a business model. Followed by he gave valuable suggestions on how to use different platforms such as What's app, Facebook, friends, and other college network to effectively build a business while in college. Finally, he shared an foundation programme for budding entrepreneurs organizing by Atal Incubation Centre – RMP academy. The webinar was attended by around 150 participants, who participated with a lot of zeal during the interactive session with the speaker. Webinar ended with a vote of thanks.

May 22nd  
2020

## Steps in your journey

- Idea, Innovation (problems) & Idea validation
- Opportunity Evaluation (3Cs- Competition, Competency, Customer)
- Customer traction
- Experimentation
- MVP
- Business Model





# Webinar on "Leveraging Modern Tools of Communication to optimize your Entrepreneurial Initiatives"

## Leveraging Modern Tools of Communication to optimize your Entrepreneurial Initiatives

by  
Anil Jain

Ph.D. ( BITS, Pilani)  
President , Vaiseshika Electron Devices  
Mentor & Advisor  
Kurukshetra University  
Technology Incubation Centre

## Website

- The most potential and yet-to-be-explored field by the entrepreneurs to promote their product , services and capabilities.
- Build your website right from the first day of your Venture .
- Upload activities, papers



Kurukshetra University Technology Incubation Centre (KUTIC) organized a webinar on "**Leveraging Modern Tools of Communication to optimize your Entrepreneurial Initiatives**" on **30<sup>th</sup> May 2020**. The speaker of the day **Dr. Anil Jain**, President, Vaiseshika Electron Devices, Ambala Cantt. who was welcomed by Dr. Srinadh, Incuabtion Consultant, KUTIC and introduced by Dr. Reeta Devi, PAG Member KUTIC. In his talk, **Dr. Anil Jain**, gave his opening statement on importance of communication as a fundamental need of a human being to interact with the fellow beings. He then shared his views on tools of communication used in earlier days such as message on a piece of paper tied to the feet of pigeon (Pigeon mail), telegraph conveying short messages instantaneously through Morse Code, letter writing and fax machine a photocopy of the written textual and printed message and documents. Further, he introduced, how communication technology is advancing rapidly by creating an impact on modern entrepreneurship. He then emphasized on how modern tools such as Website, LinkedIn and YouTube can be used by the entrepreneurs to promote their product, services and capabilities. He also shared an example how a 6 Year Old South Korean Girl makes 6 million US \$ in 2 Years with the help of YouTube. Finally, he gave a valuable comment to the participants especially to the students, "Leveraging Modern Tools of Communication is your prerogative .You can encash it or you can squander it". Anything available Free-of-Cost has more chances of being "WASTED". For an entrepreneur, it is needed to connect with others and foster relationships through powerful communication tools for entrepreneurial success. The webinar was attended by 180 participants, who participated with a lot of zeal in the interactive session with the speaker. Webinar ended with a vote of thanks.

May 30th  
2020

## LinkedIn

- International Community of experienced peers and specialists.
- LinkedIn provide connectivity to you with potential mentors across the globe.
- Start Communication through search of potential sta



Sumit Kansal  
PLS REMOVE UMA FLIP ASAP



# ACKNOWLEDGEMENTS

Kurukshetra University Technology Incubation Centre (KUTIC), would like to express sincere and deep sense of gratitude to **Prof. Manjula Chaudhary**, Dean Academic Affairs & Nodal RUSA Officer for the initiating the Technology Incubation Centre at Kurukshetra University, Kurukshetra and providing guidance throughout the development of Incubation Centre.



**Prof. Manjula Chaudhary,**

**Dean Academic Affairs & Nodal RUSA Officer, KUK**

## Backbone of KUTIC: Student Co-ordinators

Kurukshetra University Technology Incubation Centre (KUTIC), would like to thank all the student co-ordinators for actively helped in organising all the activities organized by KUTIC. Without their diligence and hard work, KUTC wouldn't have been able to meet its deadlines.

- Vikramjeet
- Manisha Solankey
- Ankita
- RIMPY KAMBOJ
- Mahak mittal
- Anuj Sharma
- Vipin Bala
- Veena
- Kunal Malik
- Shruti
- Sheetal Kaushik
- Aanchal
- Ajay Sharma
- Himanshu Jain
- Amit Tanwar
- Sewata Goyal
- Arun Kumar
- Soubhagya Parida
- Govind
- Harpreet Kaur
- Vinod Kumar
- Parshant Sharma
- Jitin Gera
- Madhu Sharma
- ROHIT SHARMA
- Rajat Kumar
- Tanya Kaushal
- Jorawar Bura
- Gurpreet Kaur
- Dwaraka
- Nishtha Chuhan
- Anju Devi
- Rajendra Gupta
- SHALEEN
- Mridula Mittal
- Manisha yadav
- Manisha Yadav
- Yoginder Singh
- Sunabh Garg
- Sonu Devi
- Hardeep Kaur
- Satender Kumar
- Upasana
- Nikitha Phogat
- Harpreet Singh
- Chetan Kumar
- Kalpana Bishnoi
- Sanjeev
- Guramrit Singh
- Dharam Dass
- Manisha Chauhan
- Nikita
- Sunil Kumar
- Sabeena
- Rajiv Kumar
- Itra Singh
- Om Prakash
- Harsh
- Amit phogat
- Inderjeet Singh
- Manisha
- Annu Kaushik
- Simran Arora
- Sheetal Yadav
- Harpreet Kaur



# KUTIC

email: [kutic@kuk.ac.in](mailto:kutic@kuk.ac.in)



# KUTIC

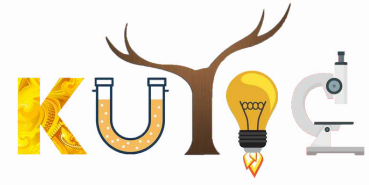
Kurukshetra University Technology Incubation Centre

## Technology Incubator

Kurukshetra University, Kurukshetra







# KURUKSHETRA UNIVERSITY TECHNOLOGY INCUBATION CENTRE (KUTIC) under RUSA 2.0



## ANNUAL REPORT July 2020- June 2022



[www.kutic.rusakuk.in](http://www.kutic.rusakuk.in)



[kutic@kuk.ac.in](mailto:kutic@kuk.ac.in)



70821-13059

# INVITED TALKS

Power of Personal Branding  
by Dr. Anjali Pai, (Scientist &  
Integrator)

25th July 2020



Learning from Rural Women:  
The unorganized Thinkers,  
Doers and Dreamers by Ms.  
Surabhi Yadav

25th Sept. 2021

Awaken the Entrepreneur  
within you by Ms. Nitika  
Khurana (Head Operations  
CAN, Chandigarh)

18th Sept. 2021



From Invention to Innovation  
by Prof. Ashutosh Sharma,  
Former Secretary, DST,  
Professor, IIT Kanpur

4th Oct. 2021

# INVITED TALKS

**The Power of Personal Branding**  
Play your story NOW...

**Top Interview Tips**  
Practice + Repeat  
Research the company.  
Be on time—that means early!  
Follow up after the interview.  
Try to stay calm.

**Communication**  
Use your connections  
Be clear  
Formal greeting  
Spell check  
Test message  
Include a signature  
Bcc: Yourself

**Zoom Meeting Participants:**  
Srinadh Mattaparthi (You)  
Anurekha Sharma  
Shiny Deepak  
anjali pai

July 25th,  
2020

Kurukshetra University Technology Incubation Centre(KUTIC) organized a Webinar on "Power of Personal Branding" on 25-07-2020 at 11:30 am. Dr. Anjali Pai. Scientist and Integrator was invited as a speaker. She told about the importance of communication with a wonderful two minute exercise in which she told that "no matter what job you have in your life , your success will be determined 5% by your academic credential, 15% by your professional experiences, and 80% by your communication skills. She also highlighted the importance of networking and importance of stay connecting while networking, importance of collaborative approach. She told the importance of story telling. She also highlighted the importance of soft skills and motivated the students by telling about Srikant Bolla. About 60 students participated in this event. Session ended with a vote of thanks by Prof. Anurekha Sharma, co-ordinator KUTIC.

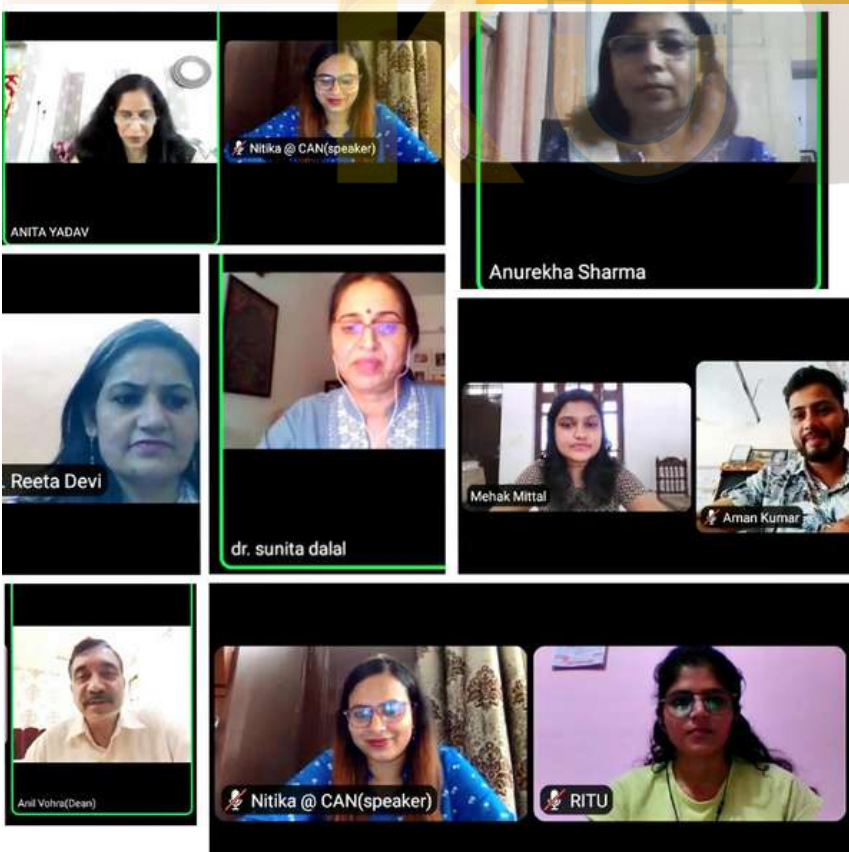


# INVITED TALKS

On July 25th 2021, KUTIC organized a talk "Awaken the Entrepreneur within you. Ms. Nitika Khurana, Head operations, CAN, Chandigarh was invited as the speaker. Prof. Anurekha Sharma (Co-ordinator, KUTIC) welcomed Ms. Nitika Khurana, faculty members, students and introduced "KUTIC and its objectives, activities, achievements." Dr. Anita Yadav (Member of Project Action Group, KUTIC) introduced Ms. Nitika Khurana. Ms. Nitika Khurana engaged with the students on "Awaken the Entrepreneur Within You",



She detailed the meaning of start-up, entrepreneur, issues related to it along with their solutions. She motivated the students by giving several real examples of start ups founded by persons from rural and moderate backgrounds. She explained what to, why to, and how to start up. She described how to become a successful entrepreneur by identifying the passion within you, She emphasized that passion is the most important tool for conversion of ideas into business opportunity. She also discussed various start up ideas and answered the various queries of the students. Dr. Sunita Dalal (Dept. of Biotechnology) cordially thanked Ms Nitika Khurana, faculty members, students and volunteers for their valuable time, energy and information. More than 130 students attended the event and participated with zeal in interactive session with the speaker.



Sept. 18th,  
2021

# INVITED TALKS

On 25th Sept. 2021, KUTIC organized a talk on " Learning from Rural Women: the Unorganised Thinkers, Doers and Dreamers". Ms. Surabhi Yadav, (Founder and CEO, Sanjhe Sapne ) was invited as the speaker.

Dr. Reeta Devi (member off project action group KUTIC) welcomed miss Surbhi Yadav. Ms. Surbhi Yadav started the talk from very basic thing that how women do rest after household chores, she describe gender inequality, women's suppressive identity with this very basic criteria. She detailed women's livelihood in rural areas how their imagination is being restricted, how they do work in house, in fields and how they are satisfied without any recognition of their talent. potential. leadership skills. She also described some acts movement that help in supporting women equality, give them rights against sexual harassment, domestic violence. She emphasized that to become a successful entrepreneur, firstly we need to identify the problem, then whole ground is yours make the best you can do to frame it out secondly, you need to be self aware and why you need a dream team to respect how every women in rural areas is full of passion, skill, potential but waiting for a chance to pursue it. She told how SANJHE SAPNE is giving rural women a platform to grow and glow. Prof. B,S , Bodla also detailed some of the facts and experience related to rural women's development. Talk was ended by vote of thanks by doctor Reeta Devi more than 90 students attended the talk



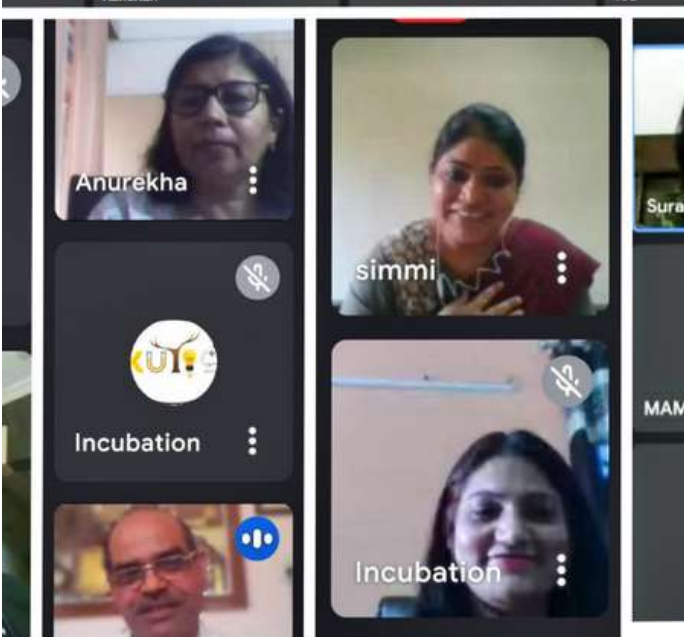
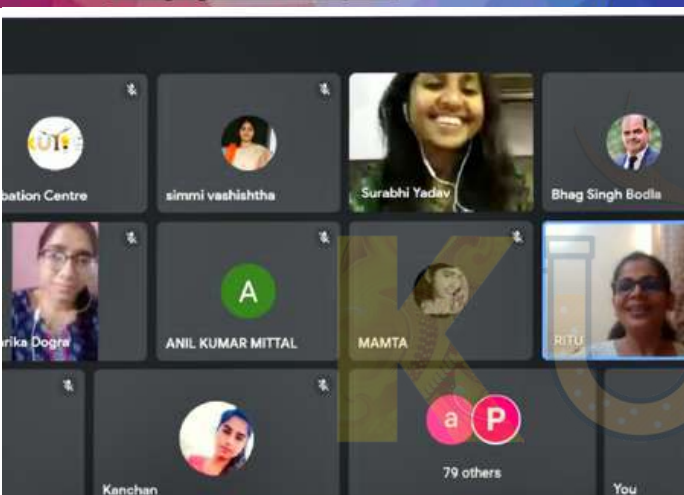
**Kurukshetra University Technology Incubation Centre**  
"Under the aegis of Kurukshetra University RUSA Project Society (KURPS)"

Presents Invited Talk On  
**Learning from Rural Women: The Unrecognised Thinkers, Doers and Dreamers**  
By  
**Surabhi Yadav**  
Founder & CEO, Sanjhe Sapne

Date: 25th September, 2021 Time: 11:00 am to 12:30 pm

Presided by : Prof. B.S. Bodla , Dean , Faculty of Commerce and Management, Kurukshetra University, Kurukshetra.

Click here to join goole meet link : [meet.google.com/ooo-ksju-vnt](https://meet.google.com/ooo-ksju-vnt) ALL ARE CORDIALLY INVITED



Sept. 25th,  
2021



# INVITED TALKS

KURUKSHETRA UNIVERSITY TECHNOLOGY INCUBATION CENTRE  
"Under the aegis of Kurukshetra University RUSA Project Society (KURPS)"

Presents an Invited Talk on  
**'FROM INVENTION TO INNOVATION'**

Presenter:  
**Prof. Ashutosh Sharma**  
Former Secretary, DST & Professor at IIT Kanpur

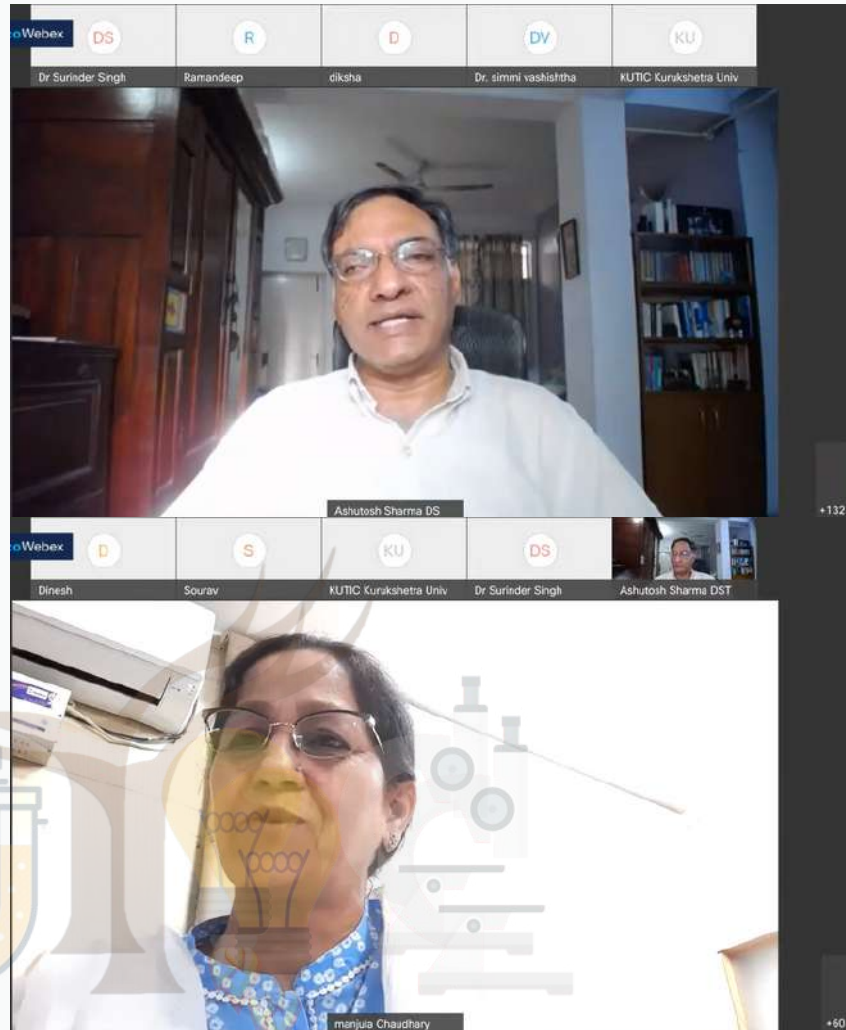
Presided By :  
**Prof. Manjula Chaudhary**  
Dean Academic Affairs  
Kurukshetra University, Kurukshetra

MON | OCTOBER  
DAY 4th 4 PM onwards

TO JOIN US:- [CLICK HERE](#) TO JOIN US:- [CLICK HERE](#) TO JOIN US:- [CLICK HERE](#)

All are cordially invited.

Designed by:- Sonam & Aman Kumar



On 4th Oct. 2021, KUTIC organised a talk on "From Invention to Innovation". Prof. Ashutosh Sharma, former Secretary, DST and Professor at IIT Kanpur was invited as the speaker.

Prof. Ashwani Mittal welcomed and introduced about KUTIC and its activities. Prof. Anurekha Sharma, Co-ordinator KUTIC introduced Prof. Ashutosh Sharma.

Prof. Ashutosh Sharma, talked about the future of startups in India, national startup policy, need for innovation, the bottlenecks for innovation in the institutes for higher education, what it takes to be entrepreneur.

Prof. Manjula Chaudhary, Dean Academic Affairs & Nodal Officer RUSA, discussed the challenges in the university level for entrepreneurship. More than 120 students participated in this talk and the talk was ended with a vote of thanks by Dr. Om Parkash Thakur, faculty co-ordinator KUTIC.

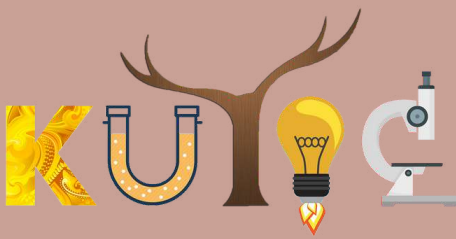
Oct. 4th,  
2021



# MoUs

S. N.	Date of MoU	MoU with
1	09-Aug-2021	Chandigarh Angels Investors Forum, Chandigarh
2	09-Aug-2021	Foundation for Innovation and Technology Transfer (FITT), IIT Delhi
3	23-Aug-2021	Gujrat Grassroot Innovations Augmentation Network (GIAN), Gujrat

# MoU with FITT, IIT DELHI and CAN Chandigarh



On 9th August 2021 KUTIC signed TWO agreements to boost the activities of incubating the startups. One of the Agreement was signed with Foundation for Innovation and Technology Transfer, IIT Delhi in presence of Prof. Manjula Chaudhary, Nodal Officer , RUSA and Dean, Academic Affairs, Kurukshetra University, Kurukshetra and Dr. ANIL WALI in an online event. FIIT with its vast experience of 32 years, will help KUTIC with handholding of startups, co-incubation, IP management and Technology Transfer. The team from FIIT included Ms. Pooja Bhatia, Chief Manager Innovation-Technology Transfer Office Foundation for Innovation Technology Transfer , Reema Sahni Mediratta, Patent Agent and Mr. Ashutosh. The second MOU was signed with Chandigarh Angels Network , represented by Nitika Khurana along with her team members Kunal Nandwani and Mr. J.B Singh. KUTIC was represented by Dr. Anurekha Sharma, Prof. Anita Yadav , Prof Anil Mittal, Dr. Hardeep Anand, Dr. Ashwini Mittal and Dr. Reeta Devi

CHANDIGARH  
ANGELS NETWORK

Aug 9th,  
2021





# MoU with GiAN, Gujrat

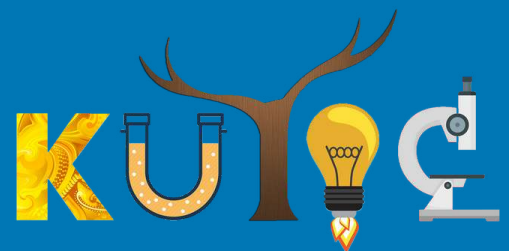


On August 23, 2021, KUTIC Kurukshetra achieved a new milestone, as it entered into agreement with GiAN ([www.gian.org](http://www.gian.org)). CEO Anamika Dey signed on behalf of GiAN in presence of her team members which included Prof. Anil Gupta, Founder, Honeybee Network, Padmashri and an Alumnus of Kurukshetra University. With this Agreement, Kurukshetra University, reached out to its Alumni for building the ecosystem for grassroots innovation.



Aug 23rd,  
2021

**gian**





The background features a light blue world map at the top. Below it, there are stylized illustrations of business professionals: a woman on the left with a blue speech bubble containing three horizontal lines, and a man on the right with a yellow speech bubble containing a percentage sign and an upward arrow. A large blue gear is visible on the far right. In the center, a person is shown holding a tablet displaying a bar chart. The overall theme is global business and technology.

# **STARTUP EVALUATION**

The background features a light blue world map at the top. Below it, there are stylized illustrations of business professionals: a woman on the left with a blue speech bubble containing three horizontal lines, and a man on the right with a yellow speech bubble containing a percentage sign and an upward arrow. A large blue gear is visible on the far right. In the center, a person is shown holding a tablet displaying a bar chart. The overall theme is global business and technology.

**22nd Oct. 2021**

# STARTUP EVALUATION

22nd Oct. 2021



On 22nd Oct. 2021, Kutic Kurukshetra evaluated its first startup.

Mr. Prashant, Mr. Nikhil Aggarwal and Mr. Ajay Kumar presented their start up project captioned, LivSmart Automation and Security wherein the entrepreneurs are proposing to design, develop and produce Centralized Home Automation System. Other projects were also presented.

Mr. Bhavish Sood, General Partner , Modulus Capital Chandigarh ( Venture Capitalist), Prof. Dilbag Singh, Prof and Head , Department of Electrical Engineering, NIT Jalandhar (Academic Expert), Dr. Anil Jain , President Vaisesikha Electronics, Ambala Cantt. (Industry Expert), Mr. Gurdarshan Aggarwal, Additional Resident Director, Haryana PHD Chamber of Commerce , Chandigarh, Mr. Sanjay Ahuja, Founder and CEO CIONLabs , Bangalore ( Entrepreneur) were the evaluators.



## Solution

- While sitting in home no internet will be required.

- Outside home IoT will come into

be kept at home to ensure privacy.

camera's and sensors will be used for safe house for safety.



# STARTUP MENTORING





# STARTUP MENTORING

On 4th February 2021, a mentorship session was organised by KUTIC. Mr. Sanjay Ahuja, Vice President Industry X.0, Accenture was invited as a mentor. 4 teams participated in this mentorship session. They learnt different aspects of starting a start-up. Team discussed their challenges and learned about execution of their idea into a marketable product.

Mr. Ahuja guided the teams on how to make a proposal and how to present their idea for fund raising. Teams were also mentored about their presentation skills, what skillset they will be requiring while presenting in front of a venture capitalist.



## 1<sup>st</sup> Mentoring Session

27-02-2021

By Mr. Sanjay Ahuja

Vice-President , Industry X.0 , Accenture





# **OUTREACH PROGRAMS**

**Outreach Program in  
Central University  
Haryana, Mahenderagarh,  
on Journey from Invention  
to Innovation**

**12-March-2022**

**Outreach Program in  
Dyal Singh College, Karnal on  
Journey from Invention  
to Innovation**

**13th- May-2022**



# Outreach Program in Central University Haryana, Mahendergarh, on Journey from Invention to Innovation



On 12th March 2022, Prof. Anurekha Sharma, Co-ordinator, KUTIC and Mr. Manoj Sharma, Incubation Consultant, KUTIC delivered a talk on "Journey from Invention to Innovation". Prof. Anurekha Sharma told about innovation, its ingredients, and how does innovation occurs. Mr. Manoj told about the activities of KUTIC and also discussed about setting up of the incubation centre. About 170 students attended the talk.

## राष्ट्र की प्रगति में नवाचार का विशेष महत्व : टंकेश्वर

संवाद सफलता, मोटोपद : राष्ट्र की प्रगति में नवाचार अपना विशेष महत्व रखता है। जिस देश के नागरिक जितने ज्यादा नवाचार के प्रति प्रयासरत रहते हैं, वहाँ आत्मनिर्भरता, स्वयं रोजगार व रोजगार के अवसर उतने ही अधिक बेहतर विकसित होते हैं। भारत में प्राचीन काल से ही शोध व नवाचार पर बल दिया जाता रहा है। जिसके फलस्वरूप भारत ने विश्व का प्रतिनिधित्व करते हुए विश्वविरुद्ध का दर्जा हासिल किया। वर्तमान में कोरोना महामारी में जहाँ एक तरफ पूरा विश्व महामारी के प्रकोप से जुझ रहा था, वहीं उस मुश्किल समय में महामारी से बचाव के साध-साध भारत ने इससे बचाव के लिए वैक्सिन भी विकसित करने का कारनामा अंजाम दिया। आज भारत



प्रो. टंकेश्वर कुमार

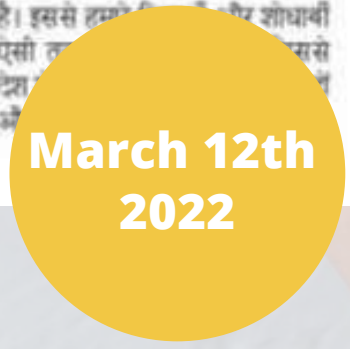


होमिनि में आयोजित कार्यक्रम में मुख्य वक्ता को स्मृति शिष्टन देकर सम्मानित करती प्रो. सुनीता श्रीवास्तव

को इस उपलब्धि से करोड़ों लोगों का जीवन बचाने के साथ-साथ इससे लाखों लोगों को रोजगार भी मिल रहा है। वसुधैव कुटुम्बकम् यानि संपूर्ण धरती ही अपना परिवार है और परिवार की समृद्धि के लिए नवाचार करना भारतीय संस्कृति का नियम रहा है। यह विचार हस्तियाग केंद्रीय विश्वविद्यालय महेंद्रगढ़ के कुलपति प्रो. टंकेश्वर कुमार ने विश्वविद्यालय

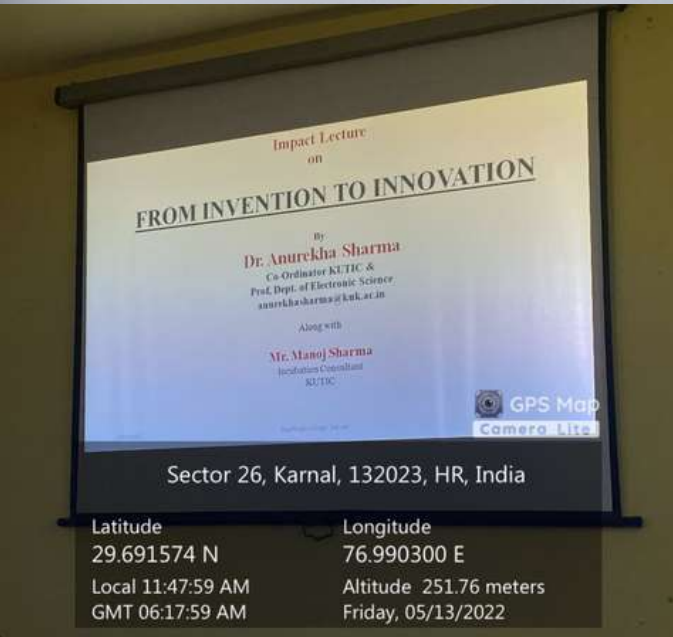
स्वित्वा इनोवेशन एवं इंक्यूबेशन सेंटर द्वारा आयोजित कार्यक्रम 'अविष्कार से नवाचार तक' में अपने संबोधन में व्यक्त किए। इस अवसर पर कुरुक्षेत्र विधि, कुरुक्षेत्र के नवाचार एवं उद्यमिता केंद्र की संयोजिका प्रो. अनुरेखा शर्मा मुख्य वक्ता के रूप में उपस्थित रहीं। कार्यक्रम की मुख्य वक्ता प्रो. अनुरेखा शर्मा ने अपने वक्तव्य में अविष्कार और

नवाचार के महत्त्व पर विस्तृत प्रकाश डाला। वर्तमान में जिस प्रकार भारत में रोजगार की उपलब्धता को लेकर लगातार प्रयास जारी है उसे देखते हुए अब हमारे युवकों को उद्यमिता की तरफ से जाना आवस्यत आवश्यक है। प्रो. शर्मा ने स्टार्टअप के विषय पर भी प्रतिभागियों से चर्चा की। कार्यक्रम में अन्य विशेषज्ञ टोपक शर्मा ने भी नवाचार की महत्ता पर प्रकाश डाला और प्रतिभागियों को इसके लिए निरंतर प्रयासरत रहने के लिए प्रेरित किया। कार्यक्रम एवं विधि में इनोवेशन एंड इंक्यूबेशन केंद्र की संयोजिका प्रो. सुनीता श्रीवास्तव ने मुख्य वक्ता की बातों को सार्वक बताया। इसके लिए विधि में व्याख्यान, शोध कार्यशालाएं, विज्ञान प्रदर्शनी एवं विषय विशेषज्ञ चर्चाओं का आयोजन निरंतर किया जा रहा है। इससे हमारे विद्यार्थी और शोधार्थी ऐसी तकनीकें विकसित कर सकते हैं जो देश के विकास में अहम भूमिका निभा सकें।





# Outreach Program in Dyal Singh College, on Journey from Invention to Innovation



The Institution's Innovation Council of Dyal Singh College, Karnal, organised a program on the topic "Invention to Innovation" on 13th May, 2022. The keynote speakers of the event were Dr. Anurekha Sharma, Co-ordinator, KUTIC and Professor, Dept. of Electronic Science; and Mr. Manoj Sharma, Incubation Consultant, KUTIC. The topic of the program was "Invention to Innovation". Dr. Anurekha Sharma familiarised the students with the concepts of both of these terms and differentiated between them. The focus of her lecture was to teach the students to successfully float a start up. She also iterated the prerequisites of innovation and how innovation incubation centres provide for necessary resources to researchers and innovators.

The workshop was attended by over 70 students from various streams of the college. Following was a session by Mr. Sharma who laid down the framework of incubation center and how they operate.

May 13th  
2022





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[kutic@kuk.ac.in](mailto:kutic@kuk.ac.in)



70821-13059

KUK. SKILL DEV. (RUSA)

# **Admission Brochure**

## **2019-20**

### **SHORT-TERM CERTIFICATE COURSES IN SKILL DEVELOPMENT (Under RUSA)**



**KURUKSHETRA UNIVERSITY KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(‘A’+ Grade NAAC Accredited)

Website: [www.kuk.ac.in](http://www.kuk.ac.in)





## **VISION**

**Be globally acknowledged as a distinguished Centre of academic excellence.**

## **MISSION**

**To prepare a class of proficient scholars and professionals with ingrained human values and commitment to expand the frontiers of knowledge for the advancement of society.**

## KURUKSHETRA UNIVERSITY

Located in Kurukshetra, the land of the Gita, Kurukshetra University is a premier Institute of higher learning in India. It is spread over 400 acres of land on the south bank of the holy tank, BrahmSarovar. Its foundation stone was laid on 11 January 1957 by Bharatratna Dr. Rajendra Prasad, the first President of the Indian Republic. Since then it has aimed at pursuing excellence in teaching and research in science, technology, humanities, social sciences, performing arts and sports.

Today, Kurukshetra University is offering a world-class education to students from throughout the country, by providing a learning experience designed to develop intellectual abilities, as well as social, moral and ethical values. In doing so the University is equipping its students with the skills, insights, attitudes and practical experience that will enable them to become discerning citizens.

The University's programs combine the enduring value of a liberal arts education with the skills and experience offered by professional departments. The University has 472 qualified teaching faculty members. The University also has 390 affiliated colleges and institutes situated in the Districts of Ambala, Panipat, Kaithal, Yamuna Nagar, Hisar, Fatehabad, Jind, Karnal, Sirsa, Kurukshetra and Panchkula.

The Campus of the University has often been rated as one of the most beautiful campuses in India. It resembles a large, self-contained village with lecture theatres, seminar rooms, accommodation, cafeterias, canteens, shops and sports facilities, libraries and laboratories all within easy walking distance. The most remarkable feature of the campus is the seamless interconnection of nature and the built environment. There are a number of lush green gardens, water fountains and sidewalks which provide ideal environment on the campus for study and leisure.

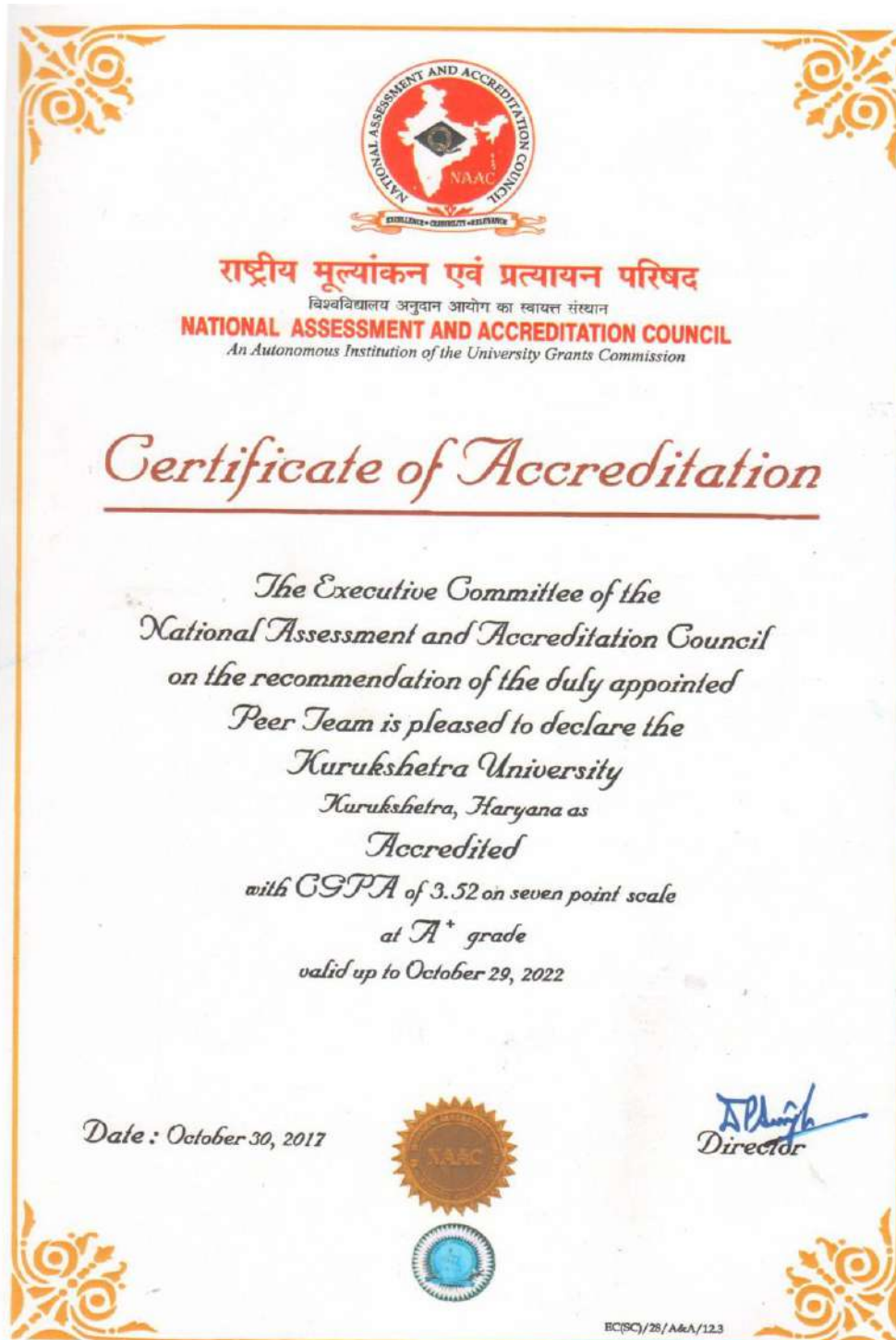
The National Assessment and Accreditation Council (NAAC), an autonomous body of the University Grants Commission to assess and accredit universities and colleges, has conferred an 'A+' grade to Kurukshetra University. The University has made a mark on the international map as accreditation of educational institutions is now acknowledged as an important indicator of their quality and relevance all over the world.

In the emerging global scenario of competition-focused education and training, quality sustenance and quality enhancement in the institutions has gained paramount importance. The Internal Quality Assurance Cell works to ensure quality in different activities related to academics and administration of the university. The Cell set up in the University has been effectively functioning for the last many years. Various improvement strategies based on feedback from the stakeholders like students, parents are recommended by the IQAC towards developing quality culture in the campus.

The Directorate of Distance Education of Kurukshetra university, Kurukshetra meets the needs of thousands who wish to enrol for different courses. Today the Directorate is engaged in providing Under-Graduate and Post-Graduate education in about 45 courses having an enrolment of 37,500 students. In addition to conventional courses, the Directorate also offers professional courses in the areas of Computer, IT, Commerce, Management, Finance, Marketing, Law, Tourism and Hotel Management, Journalism & Mass Communication, Library and Information Sc., M.A. (Education), B.Ed. (Two Year Course).

The University Library has rich resources mainly in Social Sciences, Humanities, Commerce, Management and Sciences. It is a centrally air conditioned three-storey building situated in the midst of the academic complexes of the University having a total collection of 323610 volumes (including manuscripts/theses/periodical etc.). The Library has an ERNET Centre at the first Floor with 160 Computers for the students and research scholars to access the available online resources. Access to

4,500 full text scholarly electronic journals from 25 publishers across the globe is available, under the UGC-INFONET E-journals Consortium in all the libraries and Departments through 900 Internet nodes. Bar-coding of books, computerization of library catalogue, automated circulation of books, OPAC database, Bar-coded ID and library Cards, Digital Library for E-resources—all have contributed to speedy retrieval and dissemination of information in the library.





## INTRODUCTION TO THE SKILLS DEVELOPMENT CERTIFICATE/ TRAINING COURSES

The course contents of the skill based certificate courses are developed for enhancing the specific skills of diverse group including existing/old/dropouts students of college and university, those who are already in employment or seeking employment and those who wish to enhance their skills to become professionals.

To undertake the skill based training programme, it is mandatory that the candidate must fulfil the entry criteria provided for the job profile. The training and assessment will certify that the candidate is able to undertake specific set of activities. These certificate courses must not be equated with the formal qualifications- diploma/ degrees which are given by a University. These course take care of the Standards in accordance with The National Skills Qualifications Framework (NSQF), Ministry of Skill Development and Entrepreneurship,

to a large extent. A brief introduction to the various certificate courses run under RUSA Project by Kurukshetra University, Kurukshetra is given here.

<b>COURSE CODE &amp; Title: QM-1 PRACTICAL ASPECTS OF QUANTUM CHEMICAL CALCULATIONS: BASIC CONCEPTS</b>
-------------------------------------------------------------------------------------------------------------

This certificate course will be beneficial for science graduates as it will enable them to keep pace with rapid advancements in the field of science and technology. It is highly important to familiarize our young workforce to leading and complex scientific fields. Research output will be increased and scholars will be in better position to develop quantum codes which may lead to several new start-ups and less dependency on software from abroad. Highly skilled professional in field of quantum chemistry will easily be absorbed in various Research Institutes and Research and Development division of leading corporations like IBM.

*Entry Requirements:* Completed/ Pursuing M.Sc. in Physical Sciences; Course Duration: 120 Hrs. (15 days X 8 Hrs.) and the batch size is 20 candidates. The registration fee for this course is only Rs. 5000/ can be submitted both online and Bank draft.

<b>COURSE CODE &amp; TITLE: CLA: CHEMICAL LABORATORY ASSISTANT – BASICS</b>
---------------------------------------------------------------------------------

This certificate course is aimed to enhance the employability skills of all such candidates who are willing to serve as Chemical Laboratory Assistant in Schools,

Colleges, Universities and Research institutions. Even those who are already working as Laboratory Assistants would acquire the appropriate skills required to perform their job effectively and efficiently. It is established fact that a chemical laboratory run by a skilled laboratory assistant will provide students with a better learning experience. A well-managed laboratory will facilitate the better utilization of funds. In addition, in such a favourable environment teacher will be in better position to get engaged with students in intensive discussions and scientific temperament of students can be improved. Hence, the certificate holders in chemical laboratory would have an edge over the others.

*Entry Requirements:* 10+2 pass (any discipline); Course Duration: 40 Hrs. and the batch size is 25 candidates. The registration fee for this course is only Rs. 500/ which can be submitted both online and Bank draft.

<p><b>COURSE CODE &amp; TITLE: QC-QA: CERTIFICATE COURSE IN QUALITY CONTROL AND QUALITY ASSURANCE</b></p>
-----------------------------------------------------------------------------------------------------------

Quality control and quality assurance is the most vital and almost inseparable parts of healthcare industry, healthcare product manufacturing, or even healthcare service providers. Proficient and effective QA and QC checks are much needed to ensure safe products in the market. Graduates of **Quality Control and Quality Assurance** program can pursue careers in QA & QC, which is quiet essential parts of pharmaceutical, biotech and all other verticals of the healthcare industry. QA & QC are highly treated and most regarded divisions thus the career prospects and opportunities are never ending. The course has potential to employ candidates targeting to take over the quality assurance and quality control divisions of the industry as: Document Reviewer/Laboratory Analyst/Laboratory Chemist/Validation Chemist/Stability Chemist/Laboratory Technician/QC Analyst/Document Control etc. This course is exhaustive hands-on certificate course, which is suitable for student's desires employment in the areas of pharmaceutical industry where physical and chemical techniques coupled with the state-of-the-art instrumentation are used for analysis of raw materials, in-process and finished products. The course includes training using the latest instruments and techniques like High Performance Liquid Chromatography (HPLC), tablet disintegration & dissolution, Infra-Red and Ultra Violet Spectroscopy. The course provides students the comprehensive knowledge and skills in the fields of Pharmaceutical Analysis, Quality Assurance and Regulatory Affairs. The courses provide the students with strong technical and practical skills needed by Quality Council of India (QCI) and Food Safety and Standards Authority of India (FSSAI) and US-FDA.

*Entry Requirements:* Diploma in Pharmacy or degree in Sciences (i.e. Pharmaceutical Sciences, Chemistry, Microbiology, Food Sciences etc). The final year students of graduation are also eligible for the course.; Course Duration: 50 Hrs. and the batch size is 20 candidates. The registration fee for this course is only Rs. 500/ which can be submitted both online and Bank draft.

<b>COURSE CODE: RS-1: CERTIFICATE COURSE IN RETAIL SALES SKILLS</b>
---------------------------------------------------------------------

The changing economic paradigm requires for a new market-oriented model of the sales process, as well as the modification of the behaviour of shop assistants. The main responsibility of a retail associate is to sell, rent, or lease a product or service to a consumer. Helping customers find what they are looking for is a large part of the selling process in any retail business. The retail associate may be selling anything from shoes, to wallpaper, to computer equipment. To be successful as a retail associate, it is important that the associate is able to accurately describe a product's features, demonstrate its use, and show the styles and options available. This program is ideal for anyone planning to work at a retail business such as a grocery or clothing store. This course explores the Essential Skills required to work successfully in this field. The course is designed to develop interpersonal interaction and selling skills for effective employability in various retail sector organisations. Course will also focus on the developing the frontline salesforce for cross sectional jobs in the retail store. Sector specific batch may be given appropriate training in the concerned retail setup through a corporate tie-up preferably.

*Entry Requirements:* 10+2 pass (any discipline); Course Duration: Class room training for 36 Hrs. and 6 weeks on the job training in retail stores. The batch size is 30 candidates. The registration fee for this course is only Rs. 500/ which can be submitted both online and Bank draft.

<b>COURSE CODE: CGD-1: CERTIFICATE COURSE IN GRAPHIC DESIGN- BASIC</b>
------------------------------------------------------------------------

Many employing graphic design skills work in a communications and marketing role. Technically, graphic design is visual communication. The field formally incorporates creative and function understanding of seven elements into its own form of communication: space, texture, colour, line, size, form, and shape. Graphic designers have to articulate ideas to companies, clients, employers, etc. It requires strong public speaking skills for presentations and writing skills



for proposals. While many in graphic design do complete a college degree, it is not required. You will, however, need to demonstrate your graphic design skills beyond what is listed in your resume. Thus, the course in graphic design is aimed to provide well rounded and comprehensive training about graphic design so as to prepare skilled graphic designers for the industry. This certification is likely to give reach to the skilled persons in Television Industry, Publishing House, Newspaper & Magazine, Packaging Industry, Multimedia Companies, Education Centres & E-Learning, etc.

*Entry Requirements:* 10+2 pass (any discipline); Course Duration: 41 Hrs. The batch size is 30 candidates. The registration fee for this course is only Rs. 500/ which can be submitted both online and Bank draft.

### **COURSE CDM-1: CERTIFICATE COURSE IN ONLINE FACTS CHECKING & DIGITAL MEDIA SKILLS**

In this course You'll experience best practices for telling stories to an online audience —through social media, on the web, and to a mobile audience. You'll learn to engage with video, digital photography, audio recordings, and data visualizations. You'll have the tools and storytelling skills to produce, edit, and post content. Upon completion of this program, participants will have the knowledge and tools necessary to apply their new skill set immediately to their profession. It will help in knowing best practices for shooting, editing and producing *videos*, Learning to produce engaging *content* for *digital* platforms and learning to create *interactive data visualizations*, charts, graphs, and maps to tell stories. On completion of the course, you will have opportunity to serve in Print media, digital media, and advertising, printing & packaging Industry.

*Entry Requirements:* 10+2 pass (any discipline); Course Duration: 40 Hrs. The batch size is 30 candidates. The registration fee for this course is only Rs. 500/ which can be submitted both online and Bank draft.

**Skill Development Cell Officials**

<b>Officials</b>	<b>Name of Official</b>	<b>Mobile</b>
Nodal Officer RUSA	Prof. Manjula Chaudhary	9896001727
Convener: Skill Dev. Cell	Prof. B. S. Bodla	9466174087
Coordinator: Chemical Lab. Assistant; Practical Aspects of quantum chemical calculations	Dr. Sangeeta Saini	9416979650
Coordinator: Quality Control and Quality Assurance	Dr. Sukhbir Singh	9991226086
Coordinator: Retail Sales Skills	Dr. Rajan Sharma	9813055116
Coordinator: On Line Facts Checking and Digital Media Skills and Graphic Design	DR. Ashok Sharma	9813155366

### **Admission schedule, eligibility & other details about the Skill Development Courses**

<b>Course Name</b>	<b>Eligibility (Minimum)</b>	<b>Intake</b>	<b>Last date of application Submission</b>	<b>Display of merit List for admission</b>	<b>Dates for Deposit of registration fees</b>	<b>Commencement of course</b>
Chemical Laboratory Assistant	10+2 & above	25	31-10-2019	05-11-2019	6-11-2019 to 11-11-2019	15-11-2019
Practical Aspects of Quantum Chemical Calculations: Basic Concepts	M.Sc. Physics., Chemistry and allied	20	31-10-2019	05-11-2019	6-11-2019 to 11-11-2019	15-11-2019
Quality control & quality assurance (QC-QA)	Diploma or Degree in Sciences or Pharma	20	31-10-2019	05-11-2019	6-11-2019 to 11-11-2019	15-11-2019
Graphic Design	10+2 & above	30	31-10-2019	05-11-2019	6-11-2019 to 11-11-2019	15-11-2019
Online Facts Checking and Digital Media Skills	10+2 & above	30	31-10-2019	05-11-2019	6-11-2019 to 11-11-2019	15-11-2019
Retail Sales Skills (BATCH-1)	10+2 & above	30	31-10-2019	05-11-2019	6-11-2019 to 11-11-2019	15-11-2019
Retail Sales Skills (BATCH - 2)	10+2 & above	30	31-10-2019	05-11-2019	01-01-2020 to 08-01-2020	10-01-2020

### **Important Instructions:**

1. The interested students are required to download the application forms from the KUK website. [www.kuk.ac.in](http://www.kuk.ac.in)
2. Interested applicants have to download application form from the KUK website ([www.kuk.ac.in](http://www.kuk.ac.in)) and submit duly filled in form in the office of the Convener-Skill Development Cell (RUSA) i.e. Institute of Management Studies, Kurukshetra University, Kurukshetra. Or the same can be emailed at [director.ims@kuk.ac.in](mailto:director.ims@kuk.ac.in) as per schedule given in the brochure.
3. The merit list will be prepared on the basis of the marks of qualifying examination and the same will be displayed on the university website. Therefore, all the applicants are required to check the university website on a regular basis for the necessary information related to the admission to the course. No separate communication would be sent in this regard.
4. The course would be conducted in the respective departments/institute of the course coordinators.
5. No tuition fees will be charged for the skill development course except the nominal registration fees. The registration fees will be accepted by way of demand draft in favour of Registrar, Kurukshetra university, Kurukshetra as well as through online mode, at the time of commencement of the course.
6. For any further query, the respective course coordinator can be contacted.
7. The terms and conditions of the course are subject to change if needed by the university. And the information in this regard would be put on the university website as and when required.



**KURUKSHETRA UNIVERSITY RUSA PROJECT SOCIETY**  
**Admission Application Form**  
**For Skill Development Short-Term Courses**

<p>Important Instructions: Interested applicants have to download application form from the KUK website (www.kuk.ac.in) and submit duly filled in form in the office of the Convener-Skill Development Cell (RUSA) i.e. Institute of Management Studies, Kurukshetra University, Kurukshetra. Or the same can be emailed at director.ims@kuk.ac.in as per schedule given in the brochure.</p>	<p>(To be filled by office)          Application Form No _____          Date of Receipt _____          Signature of the Official _____</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

1.

Name of the Course:	
Name of the Department/Institute:	

2.

Candidate's Name		Date of Birth	
Father's Name		Gender	
Mother's Name		Nationality	
Phone/Mobile no.		Email id	
Bonafide resident of Haryana		Reservation category	
Aadhaar No.			

3.

**Details of Educational Qualifications:**

Examination Passed	University/ Board	Year of Passing	Subject(s)	Roll No.	Marks obtained/ Total Marks	% age of marks	Division

4.

Permanent Address:

Correspondence Address:

\*\* Applicants have to deposit the enrollment fees as notified in the merit list.

5. Are you employed? (pl. tick  $\surd$ )  NO  YES
6. Have you ever been expelled/rusticated/punished on account of misconduct/indiscipline by any Institution?  NO  YES
7. Are you enrolled in any other course in K.U.K.?  NO  YES
8. Are you studying in any other course in K.U.K.?  NO  YES

**Declaration by the Applicant and his/her Father/Guardian**

I declare that entries made by me in this Admission Application Form are true in all respects and in any case, my information is found to be false, this shall entail automatic cancellation of my admission besides rendering me liable to such action, as the university may deem proper.

I note that my admission to the university and my continuance on its rolls are subject to the provisions/rules of the University, issued from time to time. I shall abide by the rules of discipline and proper conduct. I am fully aware of the law regarding ragging as well as the punishment and that if found guilty on this account I am liable to be punished appropriately.

I undertake that I shall not indulge in any act of ragging.

**Dated:**

**Place:**

**Signature of the Father/Guardian**

**Signature of the Applicant**

Following documents are attached with Admission Form

- 1. DMC of Qualifying Examination**
- 2. Aadhaar Card/DOB proof.**

**Dated:**

**Place:**

**Signature of the Applicant**

## **Report on Certificate Course “Chemical Laboratory Assistant - I”**

Certificate Course under RUSA 2.0 “**Chemical Laboratory Assistant - I**” was organised by Department of Chemistry, Kurukshetra University, Kurukshetra between November, 2019 to January, 2020. In the course the participants were introduced to preliminary concepts, procedures and precautionary measures essential for working in Chemical Laboratory. The course objective was to create skilled workforce for position of Chemical Laboratory Assistant. A chemical laboratory run by a skilled laboratory assistant will provide students with a better learning experience. A well-managed laboratory will facilitate the better utilization of funds. In addition, in such a favourable environment teacher will be in better position to get engaged with students in intensive discussions and scientific temperament of students can be improved.

This course was coordinated by Dr. Sangeeta Saini (Assistant Prof. Department of Chemistry, KUK) under the able guidance of Prof. B.S. Bodla, Coordinator, Centre for Skill Development, KUK and Prof. Manjula Chaudhary, Nodal Officer, RUSA 2.0, Kurukshetra University, Kurukshetra.

The resource persons of the course were:

1. Prof. Sanjiv Arora, Department of Chemistry, KUK
2. Prof. Neera Raghav, Department of Chemistry, KUK
3. Prof. Kiran Singh, Department of Chemistry, KUK
4. Dr. Suman Mahendia, Department of Physics, KUK
5. Dr. Ashwani Vihana, Department of Chemistry, KUK
6. Dr. Rashmi Pundeer, Department of Chemistry, KUK
7. Dr. Sangeeta Saini, Department of Chemistry, KUK
8. Dr. Raj Kamal, Department of Chemistry, KUK



9. Dr. Sohan Lal, Department of Chemistry, KUK
10. Mr. Harish, External Expert from Fire-Training
11. Mr. Hemant Oberai, External Expert for purification of water
12. Sh. Suresh Ahalawat, Department of Instrumentation, KUK

On the first day of the course, Prof. H. K. Sharma, Chairman, Department of Chemistry, Kurukshetra University, Kurukshetra welcomed all the participants of the course and wished that the course will fulfil its objectives and would benefit the participants. The course included training on all aspects required for a Laboratory Assistant with included Familiarization with chemical laboratory structure, Knowledge about cause and prevention of accidents, personnel safety and use of personnel protective equipment required while handling hazardous chemicals. The participants were given hands-on training on operating fireextinguisher. The course included lectures and laboratory hands-on sessions on chemical concepts related to solution preparation and standardization, acid-base concept, different methods of determination of concentration and percentage purity of samples, complexometric titrations, pH-concept, buffers, maintenance of Distilled and Deionised water units.

In total, the course had **22 lectures** and the course duration was **32 hours**. The course was conducted in months of November, 2019 and January, 2020 as per the convenience of participants. The number of participants who registered for the course was 23 and out of these 16 successfully completed the course.

Few Selected Photographs of the Course



















## **Report on “Practical Aspects of Quantum Chemical Calculations: Basic Concepts”**

Certificate Course under RUSA 2.0 on “**Practical Aspects of Quantum Chemical Calculations: Basic Concepts**” was organised by Department of Chemistry, Kurukshetra University, Kurukshetra from 25th December, 2019 – 10th January, 2020. This course was coordinated by Dr. Sangeeta Saini (Assistant Prof. Department of Chemistry, KUK) under the able guidance of Prof. B.S. Bodla, Coordinator, Centre for Skill Development, KUK and Prof. Manjula Chaudhary, Nodal Officer, RUSA 2.0, Kurukshetra University, Kurukshetra. Renowned scientists in the field visited department to conduct the sessions on various topics.

Prof. Sourav Pal (Director, IISER - Kolkata), Prof. Swapan Kumar Ghosh (Dean, CBS-Mumbai) , Prof. Prasad V. Bharatam (NIPER, Mohali), Prof. Harjinder Singh Laltu (IIIT Hyderabad), Prof. R. K. Moudgil (Kurukshetra University), Prof. Sambhu Nath Datta (IIT, Mumbai) and Prof. Debashree Ghosh (IACS, Kolkata).

The course objective was to introduce participants to advanced Quantum methods employed for Quantum Chemical Calculations. The course vision was that such a course will tend to increase research output and scholars will be in better position to develop quantum codes which may lead to several new start-ups and less dependency on software from abroad.

The resource persons of the course were:

1. Prof. R. K. Moudgil, Department of Physics, KUK
2. Dr. Sangeeta Saini, Department of Chemistry, KUK
3. Dr. Neetu Goel, Department of Chemistry, Panjab University, Chandigarh
4. Prof. Harjinder Singh Laltu, IIIT-Hyderabad
5. Prof. S. N. Datta, Professor Emeritus, IIT-Bombay, Mumbai

6. Dr. Debashree Ghosh, School of Mathematical and Computational Science, Indian Association for the Cultivation of Science, Kolkata
7. Prof. Sourav Pal, Director, IISER Kolkata
8. Prof. Swapan K. Ghosh, Center for Excellence in Basic Sciences, Department of Atomic Energy and University of Mumbai, Mumbai
9. Prof. P. V. Bharatam, NIPER, Mohali
10. Dr. Chetti Prabhakar, NIT, Kurukshetra
11. Dr. Saurav, Gaussian Expert, SCUBE Scientific Software Solutions (P) Ltd.

In this 16-day long certificate course, there were total 51 lectures including hands-on demonstrations. The total duration of the course was 76.5 hours. There were 19 participants in the course from different institutes of north India including IISER Mohali, IIT Ropar, IIT Roorkee, Thapar Institute of Engineering and Technology, Patiala; Panjab University, Chandigarh; HAU, Hisar and Kurukshetra University, Kurukshetra.

The course started with hands-on session on Fortran language and the necessary mathematics required for the course related to matrices was recapped. The lectures on later days build on the various formalisms of Quantum Chemistry and included lectures on Variation theorem, perturbation methods (time-independent and time-dependent), Solving Schrodinger equation for atoms and molecules, discussion on Self-consistent field methods (Hartree, Hartree-Fock methods), Slater determinants, Spin-orbit interactions, Electron-correlation, Restricted and unrestricted SCF methods, Introduction to molecular orbitals, spin orbitals. During the lectures the stress was laid on developing basic understanding of algorithms used for quantum chemical calculations and geometry optimization techniques. Lectures on Configuration interaction and Multiconfiguration methods including Coupled Cluster were held towards the end of the course. Basics of Density Functional Theory, importance of exchange-correlation functions were also discussed at length with the participants.



In the Valedictory session of the course, Prof. H.K. Sharma, Chairman, Department of Chemistry, Kurukshetra University welcomed Prof. B.S. Bodla, Coordinator, Centre for Skill Development, KUK (under RUSA 2.0) as Chief Guest. The Course Co-ordinator Dr. Sangeeta Saini briefed the Chief Guest regarding various lectures during the course. Prof. B.S. Bodla praised and congratulated all the participants on the successful completion of the course. He shared that such advanced courses are the need of hour and that he is happy that course could catch the interest of students from reputed institutes of country like IITs and IISER. He praised the efforts of Dr. Sangeeta Saini for bringing prominent personalities of the quantum chemistry field to Department of Chemistry, Kurukshetra University. In the end, Dr. Sangeeta Saini proposed the Vote of Thanks and expressed heartfelt gratitude towards Prof. Manjula Chaudhary, Nodal Officer, RUSA 2.0 and Prof. B.S. Bodla for their encouragement and support. She thanked Prof. H. K. Sharma for providing the necessary facilities to conduct the course including the computer Lab. She added that without the support of Chairperson it was not possible to conduct the course. On the occasion, Prof. Neera Raghav, Department of Chemistry, KUK was also present. The course ended with high tea and the course coordinator and Chairperson, Department of Chemistry wished success to all the participants.



**Photo Caption:** Prof. Sourav Pal (Director, IISER - Kolkata) and Prof. Swapan Kumar Ghosh (Dean, Center for Excellence in Basic Sciences, Department of Atomic Energy and University of Mumbai, Mumbai) with the participants of RUSA 2.0 sponsored course “**Practical Aspects of Quantum Chemical Calculations: Basic Concepts**” held in Department of Chemistry, Kurukshetra University, Kurukshetra from 25th December, 2019 – 10th January, 2020.



**Photo Caption:** Prof. H. K. Sharma (Chairperson, Department of Chemistry, KUK), Prof. B. S. Bodla (Co-ordinator, Centre for Skill Development, RUSA 2.0), Prof. Swapan Kumar Ghosh (Dean, Center for Excellence in Basic Sciences, Department of Atomic Energy and University of Mumbai, Mumbai), Prof. K. C. Sharma (Vice-Chancellor, Kurukshetra University), Prof. Sourav Pal (Director, IISER - Kolkata), Prof. Neera Raghav (Department of Chemistry) and Dr. Sangeeta Saini (Course Co-ordinator, Department of Chemistry, KUK) during RUSA 2.0 sponsored course on **“Practical Aspects of Quantum Chemical Calculations: Basic Concepts”** held in Department of Chemistry, Kurukshetra University, Kurukshetra from 25th December, 2019 – 10th January, 2020.

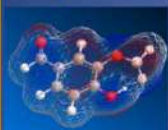


## Certificate Course under RUSA 2.0

on

### “Practical Aspects of Quantum Chemical Calculations: Basic Concepts”

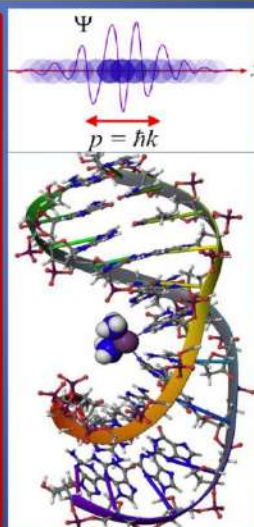
(25<sup>th</sup> December, 2019 – 10<sup>th</sup> January, 2020)



Venue: Department of Chemistry  
Kurukshetra University  
Kurukshetra

#### Topics to be covered

- Recapitulation of Basics including Mathematics and Computer Programming
  - Prof. Neetu Goel (Panjab University, Chandigarh)
  - Prof. Sangeeta Saini (Kurukshetra University)
- Self-Consistent Methods for atoms and molecules
  - Prof. Harjinder Singh Laltu (IIT Hyderabad)
  - Prof. R. K. Moudgil (Kurukshetra University)
- Basis set and LCAO expansion
  - Prof. Sambhu Nath Datta (IIT, Mumbai)
- Understanding Algorithms for Quantum Calculations
  - Prof. Debashree Ghosh (IACS, Kolkata)
- Electron Correlation Methods & Overview of Multi-configuration approach
  - Prof. Sourav Pal (IISER, Kolkata)
- Density Functional Theory
  - Prof. Swapan Kumar Ghosh (CBS, Mumbai)
- QM/ MM Methods
  - Prof. Prasad V. Bharatam (NIPER, Mohali)
- Introduction to Gaussian
  - Prof. Chetti Prabhakar (NIT, Kurukshetra)
  - Gaussian Inc Scube (New Delhi)



**Photo Caption:** Flyer of the course “Practical Aspects of Quantum Chemical Calculations: Basic Concepts” organised by Department of Chemistry, Kurukshetra University, Kurukshetra from 25th December, 2019 – 10th January, 2020 under RUSA 2.0

**More Selected Photographs of the Course**

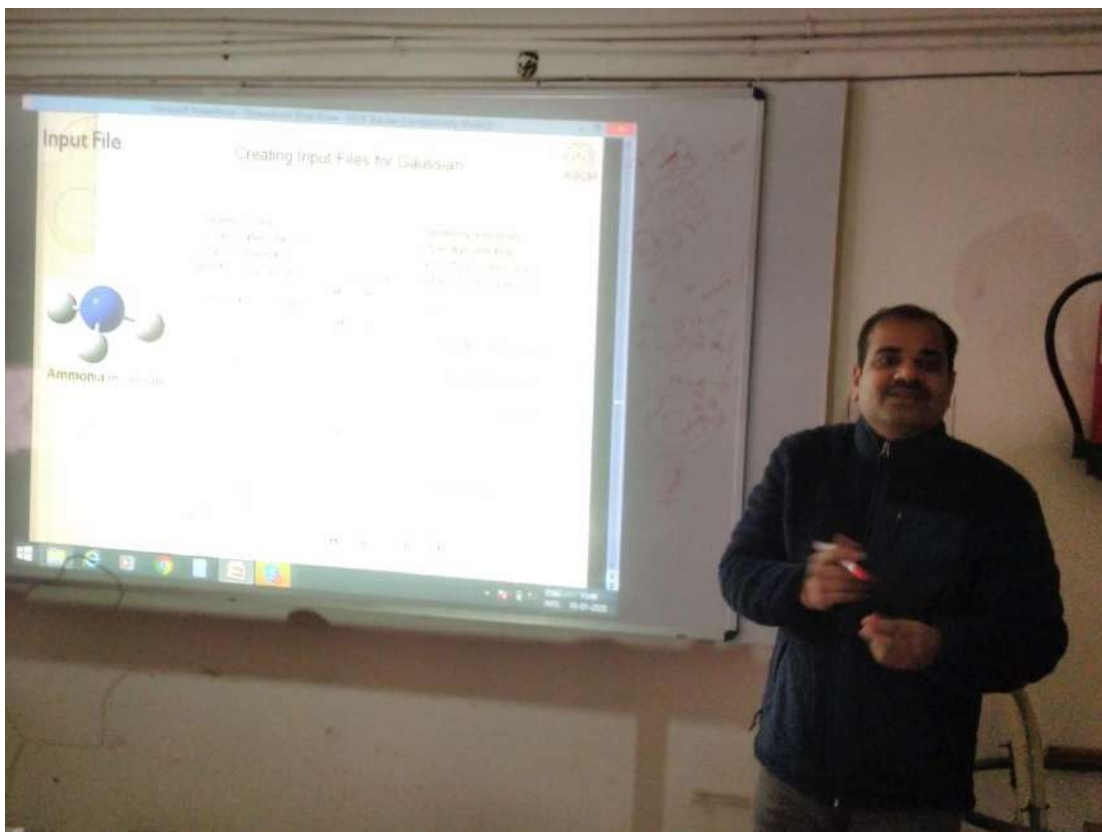
















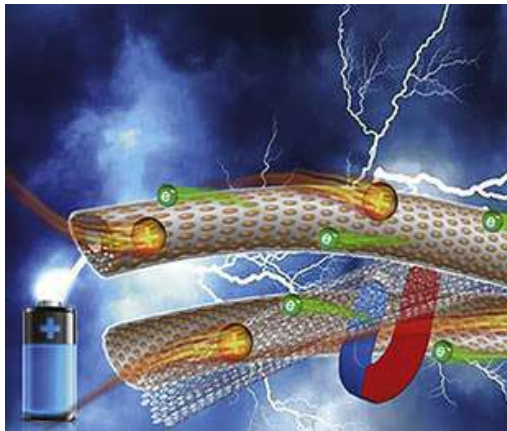








# Online Short Term Certificate Course on Electrochemistry from Basics to Applications

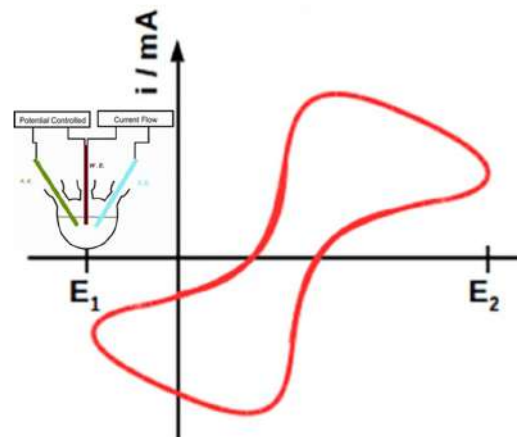


## Module 1: From Theories to Applications

Great opportunity to interact with experts from academia and industry

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21st June - 25th June, 2021



## Module 2: Fundamentals and Live Demonstrations

In Collaboration with:

Kanopy Techno Solutions Pvt. Ltd.  
IIT Kanpur

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8th July - 12th July, 2021



### Organized by:

- Centre for Skill Development
- Department of Chemistry
- Department of Physics

KURUKSHETRA UNIVERSITY



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### A Short Term Certificate Course in Electrochemistry from Basics to Applications funded by RUSA 2.0

Posted On : 19/06/2021

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# About the Course



**KURUKSHETRA UNIVERSITY RUSA PROJECT SOCIETY**



**Kurukshetra University RUSA Project Society invites applications for following  
ONLINE Short Term Certificate Course under RUSA 2.0.**

**Application Deadline: 20<sup>th</sup> June, 2021**  
**Selection Criteria: First Come, First Serve Basis**  
**Number of Seats: 80**  
**Course Duration: 54 Hrs. (approx.)**  
**Registration Fee: Rs. 300/-**

Certificate Course Name	Eligibility (Minimum Condition)	Intake
Electrochemistry from Basics to Applications	B.Sc. Degree Holder in Physical Sciences or B. Tech Degree Holder in Engineering	80 (Maximum)

The workshop aims to nurture students and research fellows with fundamentals of electrochemical science and engineering. The content of workshop focuses on theoretical understanding of the subject through experimental demonstrations which translates scientific knowledge into technological solutions. Key highlights of the course include quantification of electrochemical properties through identification of electrochemical parameters using numerous cutting-edge experimental examples. This initiative in collaboration with Kanopy Techno Solutions Pvt. Ltd. ([www.kanopytech.com](http://www.kanopytech.com)) redirects the basic understanding of electrochemistry to understand real life advancements in electrochemistry and technology applications (e.g corrosion technology, sensor technology, energy conversions and storage technology etc).

## **Report**

### **“Online Short-term Certificate Course on Electrochemistry from Basics to Applications”**

Online Short-term Certificate Course **on Electrochemistry from Basics to Applications** under RUSA 2.0 was organised by Department of Chemistry, Department of Physics and Centre for Skill Development, Kurukshetra University, Kurukshetra in two modules. Module 1 was conducted between 21<sup>st</sup> June to 26<sup>th</sup> June, 2021 and Module 2 was held between 8<sup>th</sup> July to 12<sup>th</sup> July, 2021. This course was jointly coordinated by Dr. Suman Mahendia (Associate Prof. Department of Physics, KUK) and Dr. Sangeeta Saini (Assistant Prof. Department of Chemistry, KUK) under the able guidance of Prof. B.S. Bodla, Coordinator, Centre for Skill Development, KUK and Prof. Manjula Chaudhary, Nodal Officer, RUSA 2.0, Kurukshetra University, Kurukshetra. The website of the course is available at <https://sites.google.com/view/electrochemkuk2021/home> .

Electrochemistry is a highly interdisciplinary area covering physics, chemistry, environmental science, chemical engineering, biology and medicine. It is often not realized but we use lot of electrochemistry in our day-to-day life. For example, glucose monitoring device is a sensor with working similar to potentiostat; all kinds of batteries we use as a power source; solar panels exemplify photoelectrochemical device. In recent times, with need to develop technologies with lesser negative impact on environment, the focus has shifted to greener sources of energy. Hydrogen production via electrochemistry (water-splitting reaction) is one such greener technology. The success of electric vehicles also depends on advances in battery electrochemistry. Most of the reactions taking place inside the bodies of living organisms are electrochemical in origin. Biomedical devices like pace-makers are the example of application of electrochemistry to medicine. In chemistry, electroanalytical techniques are extensively used in detection of ions, elucidation of reaction mechanism and

detection of adsorbed species etc. In recent times, electrochemistry is also being used for electrochemical synthesis of organic compounds.

It would not be wrong to say that in coming years electrochemistry field will lead to generation of jobs in various sectors. Considering such a futuristic scenario, having human resource equipped with the knowledge of electrochemistry will be highly desired and this course was conceptualized to achieve this very goal i.e. to have a trained workforce in field of electrochemistry. Electrochemistry is the central science to current prominent research areas and technological advances as for example, solar energy, hydrogen production, batteries, super-capacitors, biomedical devices, sensors and electrocatalysis. This course familiarized the participants with the fundamentals of different aspects of electrochemistry via lectures and online demonstrations.

The course began on 21<sup>st</sup> June with the inauguration session in which **Prof. Sanjiv Arora**, Senior Professor, Department of Chemistry, Kurukshetra University was the Chief Guest and **Dr. Ramesh Krishnamoorthy**, Research Advisor, Sinsil International Pvt. Ltd. was the invited speaker. Prof. Sanjiv Arora highlighted the importance of the course and congratulated the participants as well as the course co-ordinators for their vision to conduct and participate in the course that has enormous applications in field of greener energy, sensing and biomedicine. He wished and hoped that the course will benefit the participants in coming future. Thereafter, Dr. Ramesh Krishnamoorthy gave the participants an elaborated overview of various electroanalytical techniques through online demonstration.

The course was **ten days** long and included **24 lectures** by experts in the field. The details of subject experts are included in **Table I**. The total course duration was **41 hours**. The detailed schedule of Module 1 and Module 2 is presented in Table II and III, respectively. The course had 49 registered participants out of which 36 participants successfully completed the course.



The speakers of both Module 1 and Module 2 covered topics thoroughly from fundamentals to recent developments in the various fields of electrochemistry. The sessions were very interactive with lot of questions being asked by the participants. The registered participants consisted of faculty members, Ph.D. scholars and Masters' students from Physics and Chemistry. The participants learned in detail about different electrochemical techniques like linear sweep voltammetry, cyclic voltammetry, amperometry, hydrogen evolution etc. through online demonstrations conducted in collaboration with Kanopy Techno Solutions Pvt. Ltd, 404, TechnoPark, Indian Institute of Technology, Kanpur (Website: [www.kanopytech.com](http://www.kanopytech.com)) during Module 2 of the course. The upcoming opportunities in electrochemistry were also discussed with the participants.

On 12<sup>th</sup> July, valedictory session of the course was held in which **Prof. Pawan K. Sharma**, Dean, Research and Development, Kurukshetra University was the Chief Guest and **Prof. B. S. Bodla**, Co-ordinator, Centre for Skill Development, RUSA 2.0, Kurukshetra University, Kurukshetra was the Guest of Honour. The invited speaker of the valedictory session was **Dr. Priyanka Sabherwal**, Centre of Nanoscience and Nanotechnology, University of Mumbai where she talked on different aspects of COVID-19 based sensing techniques and the involved electrochemical mechanism in her lecture on "Combating COVID-19 using Nanoscience and Nanotechnology". **Dr. Sangeeta Saini**, Course Co-ordinator welcomed all the valedictory function and presented a brief report of 10-day long workshop held in two modules. **Prof. B. S. Bodla** speaking on the occasion congratulated the course co-ordinators and participants on the successful completion of the course. He briefly talked about the various activities that Centre of Skill Development under RUSA 2.0 initiative had conducted. Followed by the lecture of Dr. Priyanka Sabherwal, **Prof. Pawan K. Sharma**, Chief Guest of the function shared his views with the participants related with the future of electrochemistry

and its major role in shaping our economy as well as ecology in coming years. His insights were deeply appreciated by the participants. In the end, he congratulated Dr. Suman Mahendia and Dr. Sangeeta Saini as well as Prof. B.S. Bodla. The Vote of Thanks was proposed by **Dr. Suman Mahendia**, Course Co-ordinator where she thanked Prof. Manjula Chaudhary, Prof. Pawan K. Sharma, Prof. B.S.Bodla, Prof. Sanjiv Arora, Prof. Uday Deshpandey (UGC-DAE, CRS Indore) as well as Prof. Sanjeev Aggarwal (Chairperson, Department of Physics, KUK) and Prof. Neera Raghav (Chairperson, Department of Chemistry, KUK) for their support and encouragement. A special gratitude was extended to all the speakers of the course for their time and efforts. The active participation of all the participants was appreciated.

**Table I: The details of subject experts who delivered lectures and conducted online demonstrations during the course.**

<b>S.No.</b>	<b>Subject Experts and Affiliation</b>
<b>1.</b>	<b>Dr. Ramesh Krishnamoorthy</b> , Research Advisor, Sinsil International Pvt. Ltd.
<b>2.</b>	<b>Dr. Ashwini</b> , Department of Chemistry, University of Pune
<b>3.</b>	<b>Dr. Sasanka Deka</b> , Department of Chemistry, University of Delhi, New Delhi
<b>4.</b>	<b>Prof. Saurabh Soni</b> , Department of Chemistry, Sardar Patel University, Anand, Gujrat
<b>5.</b>	<b>Dr. Priyanka Sabherwal</b> , National Centre for Nanoscience and Nanotechnology, University of Mumbai
<b>6.</b>	<b>Dr. D. Shanthana Lakshmi</b> , EU-Marie Curie Fellow
<b>7.</b>	<b>Prof. Rama Kant</b> , Department of Chemistry, University of Delhi, New Delhi
<b>8.</b>	<b>Dr. Gyan Prakash Sharma</b> , Research Advisor, Kanopy Techno Solutions Pvt. Ltd.
<b>9.</b>	<b>Dr. Moitrayee Chatterjee</b> , Head R&D, Kanopy Techno Solutions Pvt. Ltd.
<b>10.</b>	<b>Mr. Anuj Awasthi</b> , Director & Co-Founder, Kanopy Techno Solutions Pvt. Ltd.
<b>11.</b>	<b>Dr Prashant Gupta</b> , Indian Institute of Technology, Jodhpur
<b>12.</b>	<b>Prof. Fakir Chand</b> , Department of Physics, Kurukshetra University, Kurukshetra

**Table II:** The detailed scheduled along with the lecture titles delivered during Module 1 of “Online Workshop on Electrochemistry from Basics to Applications”

Schedule: Module-1 (21-06-2021 to 26-06-2021) <u>Online Workshop on Electrochemistry from Basics to Applications</u>		
Date	Time	Event
<b>21-06-2021 (Day-1)</b>	9:00 AM – 9:15 AM	Inauguration
	9:15 AM – 11.45 AM	<b>Dr. Ramesh</b> , Research Advisor, Sinsil International Pvt. Ltd <i>(Topic: Introduction to electroanalytical technique)</i>
	11.45 AM – 1.15 PM	<b>Dr. Ashwini</b> , Assistant Professor, Department of Chemistry, University of Pune <i>(Topic: electrochemistry of graphene based electrodes for energy storage)</i>
	1.15 PM – 3.00 PM	<b>Lunch Break</b>
	3.00 PM – 4.30 PM	<b>Dr. S. Deka</b> , Associate Professor, Deptt. of Chemistry, University of Delhi, New Delhi <i>(Topic: Electrochemical water splitting- Hydrogen/oxygen generation and their storage.)</i>
<b>22-06-2021 (Day-2)</b>	11:00 AM – 12:30 PM	<b>Dr. Saurabh Soni</b> , Professor, Department of Chemistry, Sardar Patel Univ., Anand, Gujrat <i>(Topic: "Metal Ion Battery : From Fundamental to Advancement")</i>
	12:30 PM – 3.00 PM	<b>Lunch Break</b>
	3.00 PM – 4.30 PM	<b>Dr. Saurabh Soni</b> , Professor, Department of Chemistry, Sardar Patel Univ., Anand, Gujrat <i>(Topic: Electrochemistry of Li ion battery and electrodes)</i>
<b>23-06-2021 (Day-3)</b>	10.00 AM – 11.30 AM	<b>Dr. Priyanka Sabherwal</b> , Associate Professor, Department of Nanoscience, University of Bombay <i>(Topic: Designing of electrodes for electrochemical sensors)</i>
	11.30 AM – 11.45 AM	<b>Break</b>
	11.45 AM – 1.15 PM	<b>Dr. Priyanka Sabherwal</b> , Associate Professor, Department of Nanoscience, University of Bombay <i>(Topic: Study of electrochemical sensors)</i>
<b>24-06-2021</b>		<b>DAY- OFF</b>
<b>25-06-2021 (Day-4)</b>	9:30 AM – 11:00 A.M.	<b>Dr. D. Shanthana Lakshmi</b> , EU-Marie Curie Fellow <i>(Topic: Fabrication of Membranes)</i>
	11:00 AM – 11.15 AM	<b>Break</b>
	11:15 AM to 12:45 PM	<b>Dr. Rama Kant</b> , Professor, Department of Chemistry, University of Delhi, New Delhi <i>(Topic: Electrochemical Impedance)</i>
	2:00 PM – 3:30 PM	<b>Dr. D. Shanthana Lakshmi</b> , EU-Marie Curie Fellow <i>(Topic: Characterization of Membranes)</i>
<b>26-06-2021 (Day-5)</b>	11:30 AM – 1:00 PM	<b>Dr. Rama Kant</b> , Professor, Department of Chemistry, University of Delhi, New Delhi <i>(Topic: Modelling Fundamental Electrochemistry and Devices)</i>
		<b>Break</b>



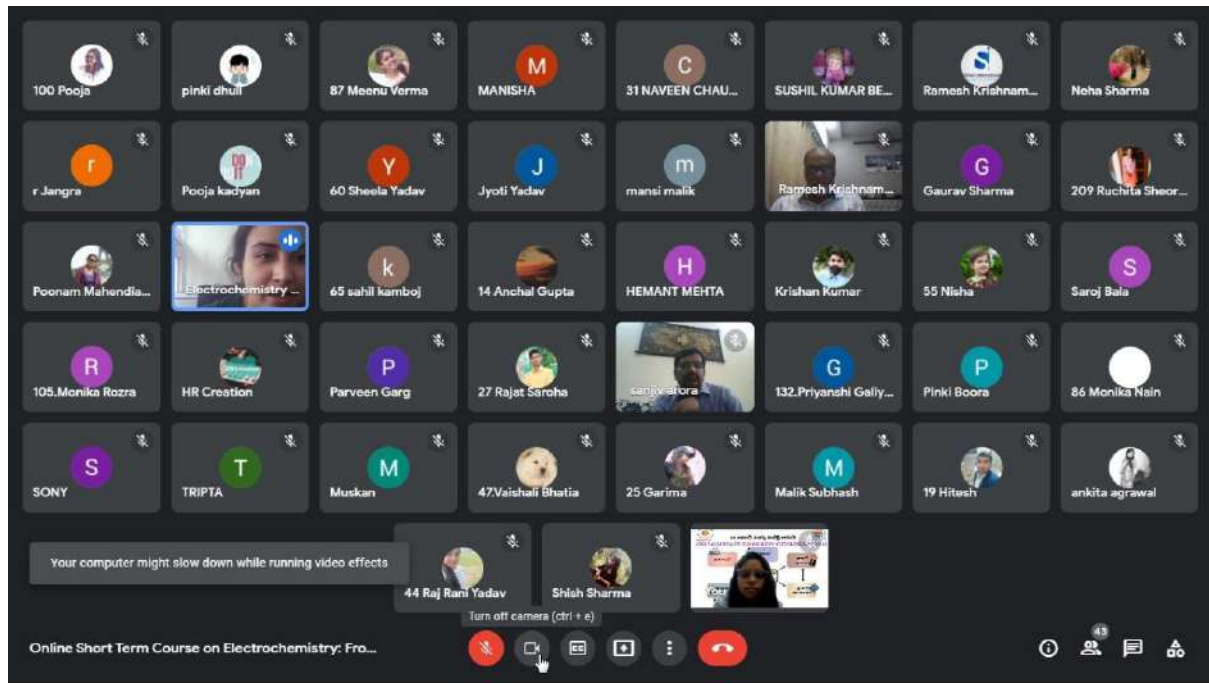
	3:00 PM – 4:30 PM	<b>Dr. Rama Kant</b> , Professor, Department of Chemistry, University of Delhi, New Delhi (Topic: Theories related to rates of electrode reactions)
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**Table III:** The detailed scheduled along with the lecture titles delivered during Module 2 of “Online Workshop on Electrochemistry from Basics to Applications”

<b>Module-2</b>		
<b>Schedule (08<sup>th</sup> July to 12<sup>th</sup> July, 2021)</b>		
<b><i>Online Workshop on Electrochemistry from Basics to Applications</i></b>		
<b>Date</b>	<b>Time</b>	<b>Event</b>
<b>Day 6</b> (08-07-2021)	10:00 A.M. – 10:30 A.M.	<b>Inauguration</b> (Module 2)
	10:30 A.M. – 1.00 P.M.	Invited Talk by <b>Dr. Gyan Prakash Sharma</b> , Research Advisor, Kanopy Techno Solutions Pvt. Ltd (Introduction to electrochemical engineering) Experimental demonstration 01 (Electrochemical potential measurement) Q and A
		<b>Break</b>
	2.00 PM – 4.00 PM	Invited Talk by <b>Dr. Moitrayee Chatterjee</b> , Head R&D, Kanopy Techno Solutions (Electroanalytical methods: Experiments and Applications_Part 1), Interactive session for ~15-30 mins
	4.00 PM – 5.00 PM	Invited Talk by <b>Mr. Anuj Awasthi</b> , Director & Co-Founder, Kanopy Techno Solutions Pvt. Ltd (Electrochemical Water Quality Analysis)
<b>Day 7</b> (09-07-2021)	10.30 AM – 1.00 PM	Invited Talk by <b>Dr. Gyan Prakash Sharma</b> , Research Advisor, Kanopy Techno Solutions Pvt. Ltd (Solar Hydrogen Generation -The Future of Green Energy)
		<b>Break</b>
	2.00 PM – 4.00 PM	Invited Talk by <b>Dr. Moitrayee Chatterjee</b> , Head R&D, Kanopy Techno Solutions (Electroanalytical methods: Experiments and Applications_Part2), Interactive session for ~15-30 mins
	4.00 PM – 5.00 PM	Invited Talk by <b>Dr Prashant Gupta</b> , Assistant Professor, IIT Jodhpur (Energy storage system: challenges and opportunities)
<b>Day 8</b> (10-07-2021)	10.30 AM – 1.00 PM	<b>Dr. Gyan Prakash Sharma</b> , Research Advisor, Kanopy Techno Solutions Pvt. Ltd Experimental demonstration 03 (Electrochemical water splitting) (Electrochemical Water Splitting) Q and A
		<b>Break</b>
	2.00 PM – 4.00 PM	<b>Dr. Moitrayee Chatterjee</b> , Head R&D, Kanopy Techno Solutions Experimental demonstration 03 (Electroplating of Copper on steel Substrate)
	4.00 PM – 5.00 PM	Invited Talk by <b>Mr. Anuj Awasthi</b> , Director & Co-Founder, Kanopy Techno Solutions Pvt. Ltd (Role of Electrochemical Instrumentation in Electric Vehicle Mobility)

	5:00 P.M. – 5:30 P.M.	<b>Vote of Thanks to Kanopy Techno Solutions Pvt. Ltd.</b>
<b>Day 9 (11-07-2021)</b>	10:30 AM – 12:00 noon	<b>Dr. Fakir Chand</b> , Professor, Department of Physics, Kurukshetra University, Kurukshetra <i>(Topic: Instrumentation- Potentiostat)</i>
	12:00 noon – 2:00 PM	<b>Break</b>
	2:00 PM – 3:30 PM	<b>Dr. S. Deka</b> , Associate Professor, University of Delhi, Delhi <i>(Topic: Designing of electrodes for supercapacitor application, their study using electrochemistry from basic to calculation/data analysis)</i>
	3:30 PM – 3:45 PM	<b>Break</b>
	3:45 PM – 5:15 PM	<b>Dr. Fakir Chand</b> , Professor, Department of Physics, Kurukshetra University, Kurukshetra <i>(Topic: FET and Sensors)</i>
<b>Day 10 (12-07-2021)</b>	Morning Session	<b>Examination</b>
		<b>Break</b>
	Evening Session	<b>Valedictory Session</b>

## Inauguration Session of the Course





Ramesh Krishnamoorthy is presenting

86 Monika Nain and 41 more

10:02 AM

Ramesh Krishnamoorthy

Online Short Term Course on Electrochemis...

Turn on captions

Ramesh Krishnamoorthy is presenting

Ramesh Krishnamoorthy is presenting

Jal Parkash Research Scholar Deptt. of Chem... and 31 more

10:14 AM

Current / 1e-5A

Potential / V

June 21, 2021 10:12:12  
Title: CV  
File: Run Unsaved  
Init E (V) = 0.1  
High E (V) = 0.7  
Low E (V) = 0.1  
Init P/N = 1  
Scan Rate (V/s) = 0.05  
Segment = 4  
Step Interval (V) = 0.001  
Quiet Time (s) = 2  
Sensitivity (A/V) = 1e-5  
Segment 1:  
Ep = 0.440V  
ip = -1.302e-5A  
Ah = -1.782e-5C  
Segment 2:  
Ep = 0.333V  
ip = 1.367e-5A  
Ah = 1.834e-5C  
Segment 3:  
Segment 4:

Ramesh Krishnamoorthy

Gaurav Sharma

44 Raj Rani Yadav

SUMAN MAHENDIA

chairperson chem...

pinki dhull

87 Moonu Verma

Online Short Term Course on Electrochemis...

Turn on captions

Ramesh Krishnamoorthy is presenting

## Inauguration Session of Module -2



## Valedictory Function



### Online Short Term Certificate Course on Electrochemistry from Basics to Applications

Website: Electrochemkuk2021  
<https://sites.google.com/view/electrochemkuk2021/home>



**Module 1: From Theories to Applications**  
Great opportunity to interact with experts from academia and industry  
21st June - 25th June, 2021

**Chief Guest**



**Prof. Pawan Sharma**  
Dean Research & Development, KUK  
Department of Chemistry, KUK



**Course Coordinator**  
**Dr. Sangeeta Saini**  
Department of Chemistry, KUK

## VALEDICTORY FUNCTION

12<sup>TH</sup> JULY, 2021 AT 3.00 PM

**Invited Speaker**



**Dr. Priyanaka**  
National Center for Nanoscience and Nanotechnology  
University of Mumbai. Mumbai

**Google Meet Link**  
<https://meet.google.com/mwb-ykom-fri>

**Module 2: Fundamentals and Live Demonstrations**  
**In Collaboration with:**  
Kanopy Techno Solutions Pvt. Ltd. IIT Kanpur  
8th July - 12th July, 2021

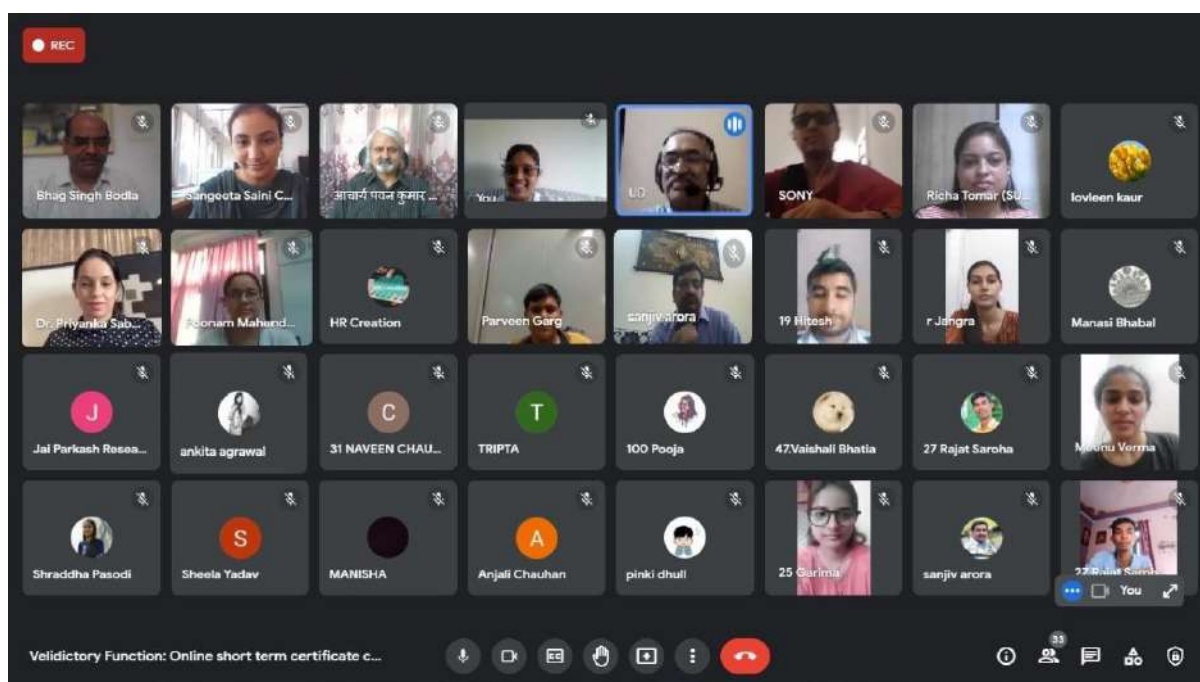
**Guest of Honour**



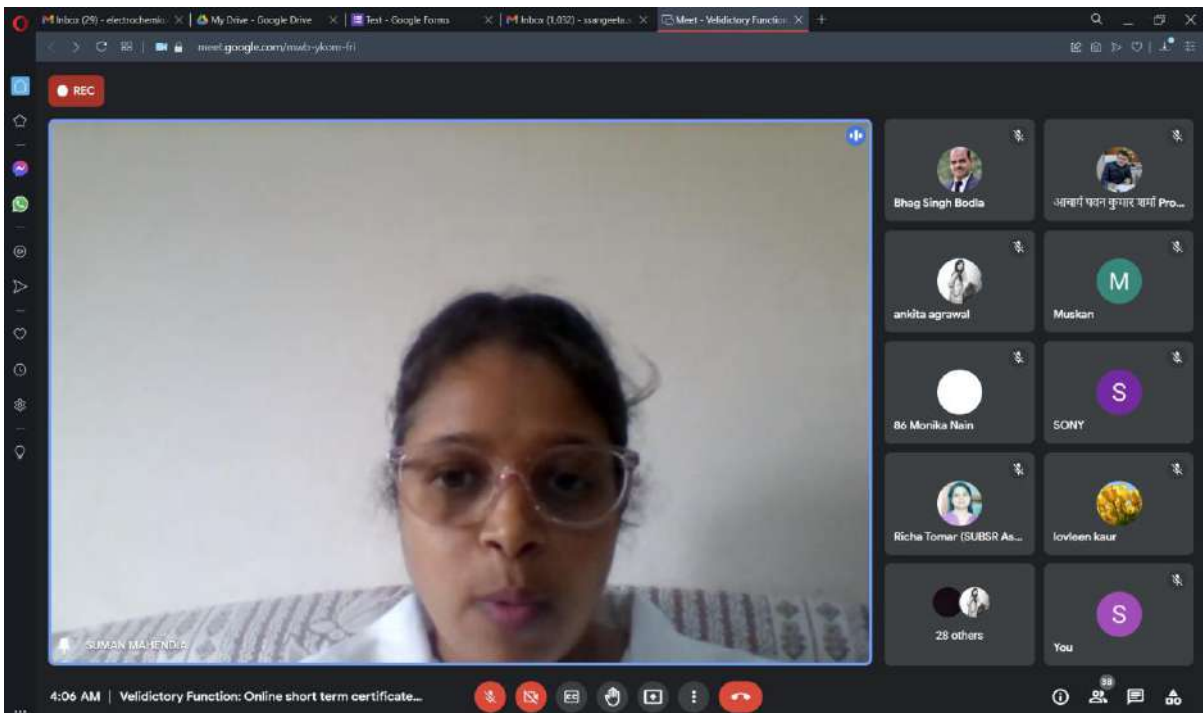
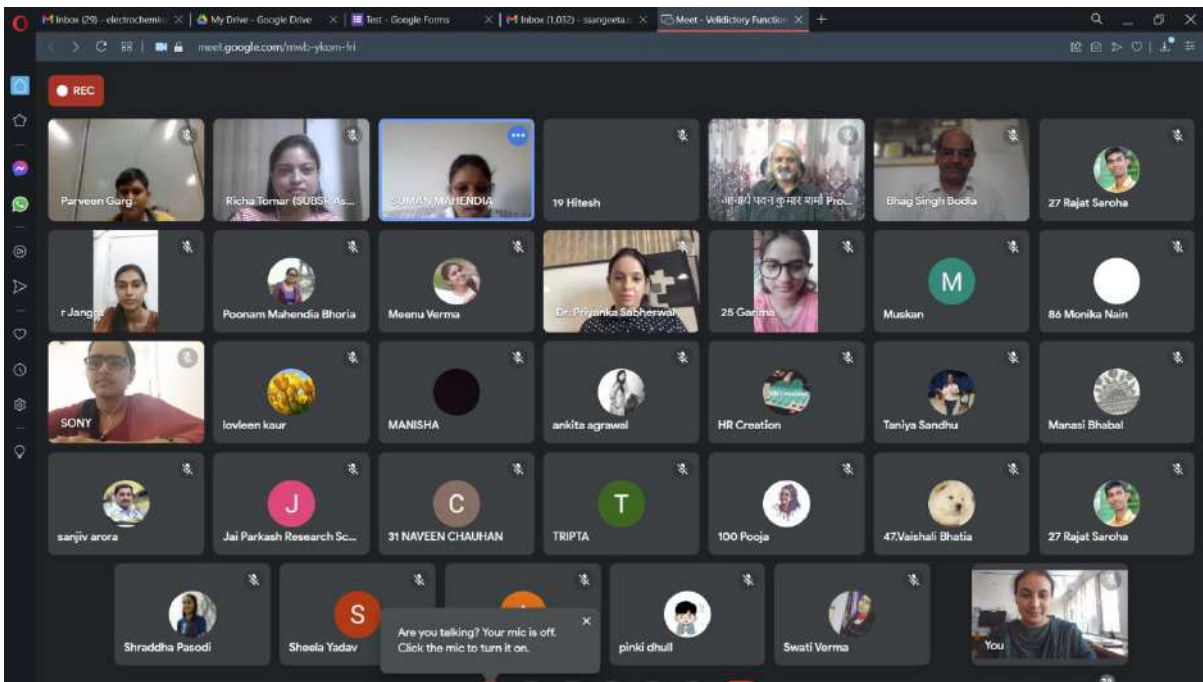
**Prof. B.S. Bodla**  
Coordinator  
Centre for Skill Development, RUSA 2.0, KUK

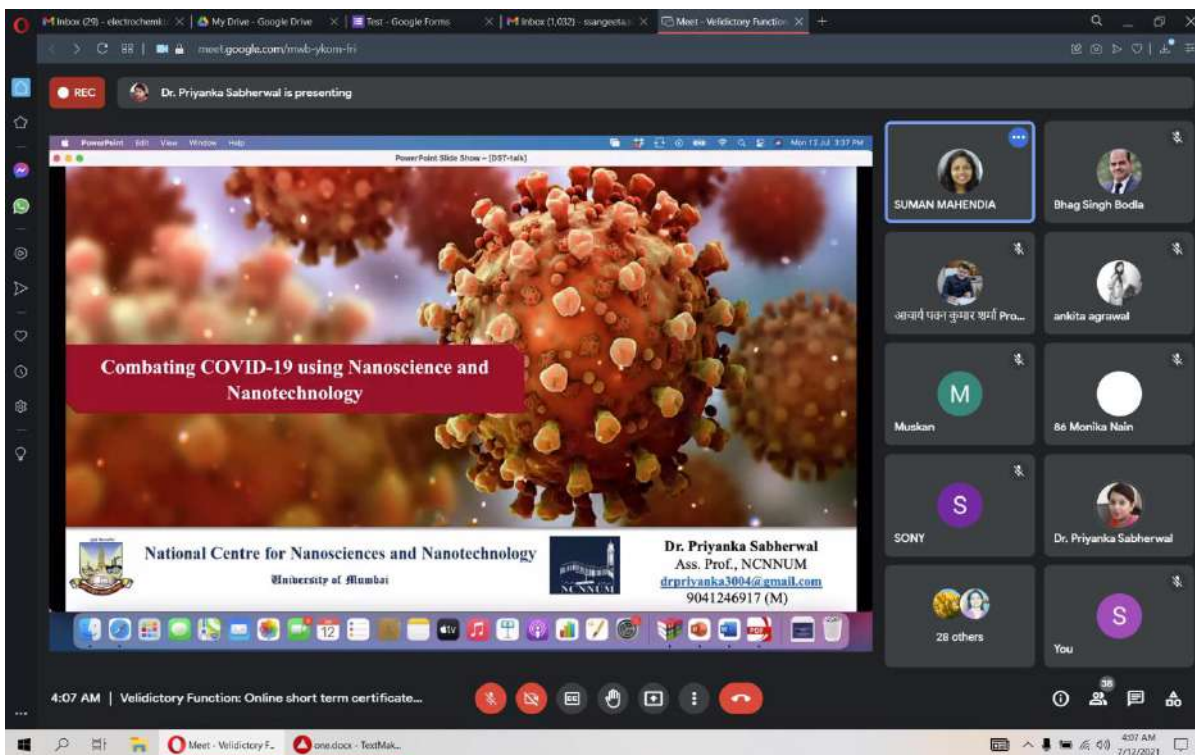
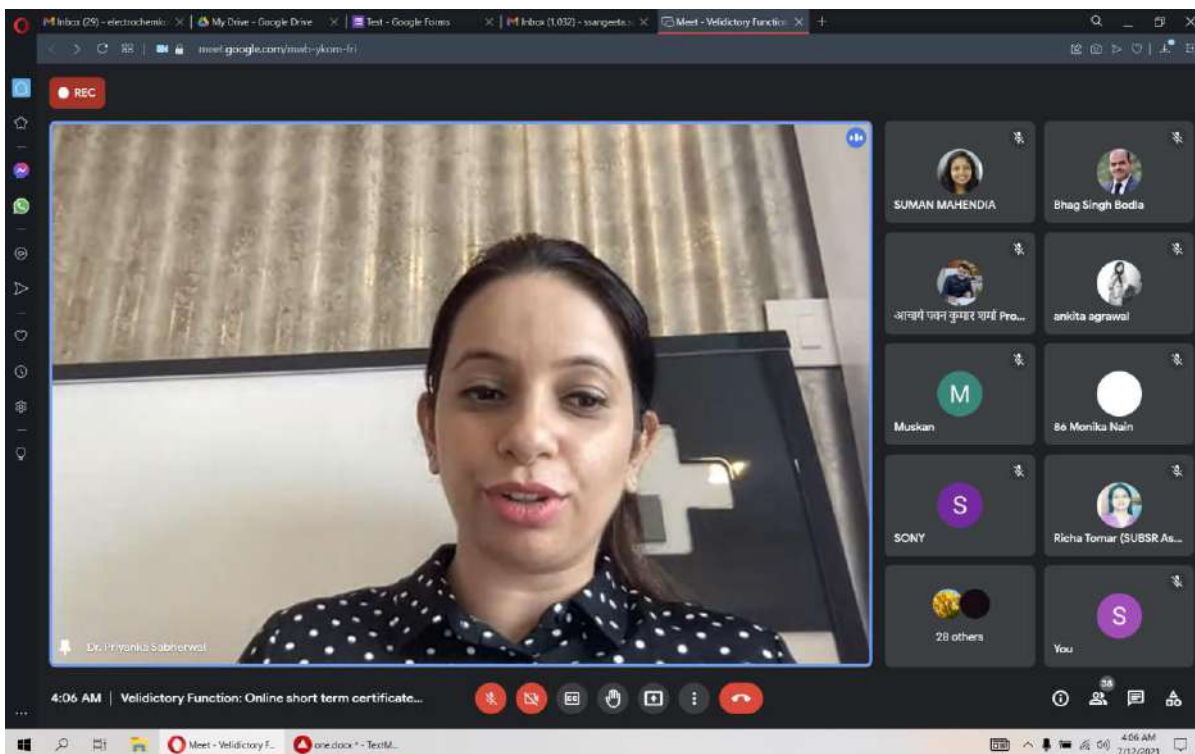


**Course Coordinator**  
**Dr. Suman Mahendia**  
Department of Physics, KUK











**News:**

<https://www.facebook.com/1784142941826825/posts/2968232823417825/>



## Workshop Days in photographs

Ashwini Alegaonkar is presenting

12:52 PM

### Nyquist Plot of an electrode material

The Nyquist plot shows the imaginary part of impedance ( $Z_{im}$ ) versus the real part ( $Z_{re}$ ). Key features include:
 

- Internal resistance:** The total resistance of the electrode.
- Electrode resistance and electrolyte resistance:** Components of the internal resistance.
- Diffuse layer resistance:** Resistance due to ion diffusion in the electrolyte.
- Equilibrium differential capacitance ( $C_{eq}$ ):** Capacitance at equilibrium.
- EDL formation (steep slope) vs. ion diffusion (low slope):** The plot shows a transition from a low-slope region (ion diffusion) to a steep-slope region (EDL formation) as frequency increases.

Online Short Term Course on Electrochemis...

Ashwini Alegaonkar is presenting

12:52 PM

Participants: Ashwini Alegaonkar, DIVYA, 87 Meenu Verma, SUMAN MAHENDIA, Nitin, pinki dhull, chairperson chemi..., Parveen Garg

Sasanka Deka is presenting

3:22 PM

### Electrocatalytic water splitting and H<sub>2</sub> evolution

The diagram illustrates the electrocatalytic water splitting process. At the anode, Oxygen Evolution Reaction (OER) occurs, and at the cathode, Hydrogen Evolution Reaction (HER) occurs. The typical structures of multicomponent composites are shown as:
 

- Photocatalytic System:** (a) Co-catalyst Deposition on n- or p-type photocatalyst.
- Photoelectrochemical System:** (b) Co-catalyst Deposition on n-type photocatalyst (anode) and p-type photocatalyst (cathode).

Online Short Term Course on Electrochemis...

Sasanka Deka is presenting

3:22 PM

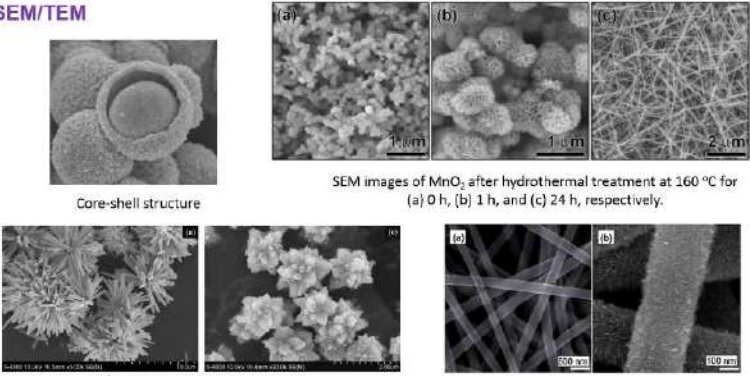
Participants: SUMAN MAHENDIA, Sasanka Deka, TRIPTA, lovleen kaur, DIVYA, 25 Garima, pinki dhull, Parveen Garg

meets.google.com/amw-nuee-imp?authuser=0

Saurabh Soni is presenting

### Characterizations

#### 1. SEM/TEM



Core-shell structure

Flower type structure

Nanostructures grown on nanofibers

SEM images of MnO<sub>2</sub> after hydrothermal treatment at 160 °C for (a) 0 h, (b) 1 h, and (c) 24 h, respectively.

Applied Catalysis B: Environmental 127 (2012) 182-189, J. Mater. Chem. A, 2015, 3, 21380-21423

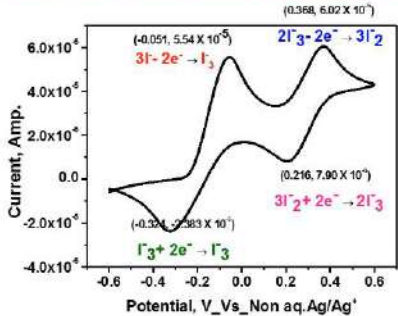
3:20 PM | Online Short Term Certificate Course on Ele...

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Saurabh Soni is presenting

### Applications

► Determination of electron transfer and reaction mechanisms.



Current, Amp.

Potential, V\_Vs\_Non aq.Ag/Ag<sup>+</sup>

$(-0.051, 5.54 \times 10^{-5})$   
 $3I^- - 2e^- \rightarrow I_3^-$

$(0.368, 6.02 \times 10^{-4})$   
 $2I_3^- - 2e^- \rightarrow 3I_2$

$(-0.324, 1.383 \times 10^{-4})$   
 $I_3^- + 2e^- \rightarrow I^-$

$(0.216, 7.90 \times 10^{-4})$   
 $3I_2 + 2e^- \rightarrow 2I_3^-$

3:51 PM | Online Short Term Certificate Course on Ele...

meet.google.com/oxn-nnbv-qyv

REC Dr. Priyanka Sabherwal is presenting

### DNA nano probes based innovative diagnostics solutions for human health and environment

National Centre for Nanosciences and Nanotechnology  
University of Mumbai

Dr. Priyanka Sabherwal  
Ass Prof. NCNNUM, Univ. of Mumbai  
Founder CEO & Director, Biosensika Labs, Mumbai  
[drpriyanka3004@gmail.com](mailto:drpriyanka3004@gmail.com) 9041246917 (M)

10:09 AM | oxn-nnbv-qyv

Participants: Dr. Priyanka Sabherwal, SUMAN MAHENDIA, 87 Meenu Verma, Saroj Bala, Parveen Garg, SONY, 13 others, You.

meet.google.com/kdb-kqjz-ney?authuser=0

REC Shanthana Lakshmi is presenting

### Membrane dominance in various fields

9:57 AM | Day4@Electrochemkuk2021

Participants: SUSHIL KUMAR BEH..., Electrochemistry w..., SONY, Arun Kumar, HR Creation, Shanthana Lakshmi, 19 others, You.



meet.google.com/kdb-kqjz-ney?authuser=0

REC Rama Kant is presenting

### Migration and Diffusion Coupling in Electrical Double Layer (EDL)

Extent of Migration-Diffusion Coupling  $\chi_M = |L_M L_{DL}| < 1$

Admittance  $Y_{MS}(\omega) = \frac{A_0 T_{DC} \sqrt{i\omega D_O}}{1 + \delta_M + \Gamma_{DC} (R_H + R_H) \sqrt{i\omega D_O}}$

Kim and Greenawald, J. Phys. Chem. C, 2011, ASAP

12:06 PM | Day4@Electrochemkuk2021

meet.google.com/zro-bcmj-iow?authuser=0

REC Rama Kant is presenting

### Electrostatic Potentials in IHP of EDL for Metal/Electrolytes

PZC (Trasatti):  $E_z = \phi_{0d} + E_{ref}$   
 $E_0 = 4.78\text{V (vacuum) and } -4.44\text{V (NHE)}$

Electronic capacitance:  $C_m = \frac{\epsilon_0 \epsilon_m}{2 l_{TF}}$

$\epsilon_m = \frac{e^2}{60} \left( \frac{3n_0}{8\pi^2 E_f \phi_0^2} \right)^{1/3} = \frac{e^2}{60} \left( \frac{D_f}{4\pi^2 \phi_0^2} \right)^{1/3}$   
 $\epsilon_m \approx 4.5 - 7.2$

Electronic & dipolar capacitance:  $\frac{1}{C_{TE}} = \frac{1}{C_m} + \frac{1}{C_{dp}}$   $C_{dp} = \left( \frac{dg_0^d}{dq} \right)^{-1} = \frac{\epsilon_0 \epsilon_d}{r_d}$

IHP  $\phi_1(E) = (E - E_0^P) \exp\left(-\frac{l_{TF} + r_d}{l_{ed}}\right)$  | Electronic-Dipolar Coupling Length  $1/l_{ed} = \frac{C_{TE}}{\epsilon_0 \epsilon_d}$

J. Kaur, R. Kant, J. Phys. Chem. Lett., 2015, 6, 2870-2874; J. Kaur, Ph.D. Thesis (2018)

Electronic Spill out, IHP and OHP Potentials of Nano-Structured Metal

11:51 AM | zro-bcmj-iow

Gyan P Sharma is presenting

### Quick Recap

- Electrode (Cathode and Anode)
- Electrochemical Cell and Reaction
- Standard Potential
- Reference electrodes: To-and-from conversions

Cathode	Anode
Reduction	Oxidation

11:50 | electrochemistry-Room2

Gyan P Sharma is presenting

### Efficiencies in solar H<sub>2</sub> production technologies

**Benchmark efficiency**

**Solar to Hydrogen conversion Efficiency**

$$STH = \left[ \frac{(j_{SC} \text{ mA/cm}^2) \times (1.23 \text{ V}) \times \eta_F}{(P_{total}) (\text{mW/cm}^2)} \right]_{AM 1.5 G} \times 100$$

$$STH = \left[ \frac{(\text{mmol H}_2/\text{s}) \times (237 \text{ kJ/mol})}{(P_{total}) (\text{mW/cm}^2) \times \text{Area} (\text{cm}^2)} \right]_{AM 1.5 G} \times 100$$

12:43 AM | Online certificate course on skill development in ...

Speed Dial | Updated invitation with e... | Meet - Online certificate c... | Channel content - YouTub... | meet.google.com/odq-fxap-jfn

REC | Prashant Kumar Gupta is presenting

### Energy Storage Devices Timeline and Material Abundance

1801 (Cu/Zn)  
1839 Fuel cells  
1859 Pb-acid  
1866 Leclanche  
1901 Ni-Fe  
1901 Ni-Cd  
1930 Ni-Zn  
1870 Ni-H<sub>2</sub>  
1975 Ni-MH  
1975 pseudocapacitor  
1991 Li-ion Sony  
2000 Li-ion polymer  
2005 Sony Nexelon  
Li-S  
Li-air  
Na-ion  
K-ion  
New Materials

4:56 AM | Online certificate course on skill development in E... | Activate Windows

Speed Dial | Invitation: Day 8, Module 2... | Meet - Day 8, Module 2... | meet.google.com/vee-zuas-ali

REC | Gyan P Sharma is presenting

### Cottrell equation

$$i = \frac{nFAC^0D^{1/2}}{\pi^{1/2}t^{1/2}}$$

$i$  = current, in unit A  
 $n$  = number of electrons (to reduce/oxidize one molecule of analyte)  
 $F$  = Faraday constant, 96485 C/mol  
 $A$  = area of the (planar) electrode in cm<sup>2</sup>  
 $C^0$  = initial concentration of the reducible analyte in mol/cm<sup>3</sup>  
 $D$  = diffusion coefficient for species in cm<sup>2</sup>/s  
 $t$  = time in s.

Length of diffusion layer =  $2D^{1/2}t^{1/2}$

12:19 AM | Day 8: Module 2: Online short term certificate co... | one.docx - TestMak...



Speed Dial | Invitation: Day 8: Module 2 | Meet - wee-zasi-akl

REC | Moitrayee Chatterjee is presenting

4:20 AM | Day 8: Module 2: Online short term certificate cou...

Meet - wee-zasi-akl | one.docx - TestMak...

Speed Dial | Invitation: Day 9: Module 2 | Meet - Day 9: Module 2: Online short term certificate cou...

REC | Sasanka Deka is presenting

2:38 AM | Day 9: Module 2: Online short term certificate cou...

Meet - Day 9: Mod... | one.docx - TestMak...

Speed Dial | Invitation: Day 9, Module 2 | Meet - Day 9, Module 2 | +

meet.google.com/ef-mjub-pni

REC FAQUIR CHAND is presenting

Voltage follower or Buffer amplifier

Current to voltage convertor

Assuming ideal Op-Amp

12:19 AM | Day 9: Module 2: Online short term certificate co...

Meet - Day 9, Mod...

Speed Dial | Invitation: Day 8, Module 2 | Meet - wee-zuas-ak | Speed Dial | +

meet.google.com/wee-zuas-ak

REC Anuj Awasthi is presenting

SUMAN MAHENDIA

SONY

Parveen Garg

UD

Iovleen Kaur

105.Monika Roza

9 others

Anuj Awasthi

5:26 AM | Day 8: Module 2: Online short term certificate cou...

Meet - wee-zuas-ak

one.docx - TextMak...








5:26 AM 7/10/2021

Speed Dial | Invitation: Day 8, Module 2 | Meet - wee-zaa-ak | Speed Dial

meet.google.com/wee-zaa-ak

REC | Anuj Awasthi is presenting

### TOOLS OF INSTRUMENTATION

	Voltage Source		Noise Filtering
	Current Source		Analog to Digital
	Voltmeter		Digital to Analog
	Ammeter		

5:31 AM | Day 8: Module 2: Online short term certificate cou...

Meet - wee-zaa-ak | one.docx - TestMak...

5:31 AM 7/10/2021

Participants: Anuj Awasthi, SUMAN MAHENDIA, SONY, Parveen Garg, UD, lovleen kaur, 105.Monika Roza, 10 others, You





**DEPARTMENT OF SOCIOLOGY  
KURUKSHETRA UNIVERSITY KURUKSHETRA**

(Established by the state Legislature Act -XII of 1956)  
("A+" Grade NAAC Accredited)

**Dr. Vijender Singh  
Chairperson**

**No.Soc/22/383  
Dated: 12-12-2022**

**CERTIFICATE FOR SOFT SKILL**

It is stated that Software Programme for Social Science (SPSS) exclusive software programme for data analysis in social research is included in the curriculum of M.A. Sociology (3<sup>rd</sup> Semester) under course Computer Applications in Social Research, which will generate soft skill among the students and prepare them for industry as Data Analysis experts.

*[Handwritten Signature]*  
Chairperson  
Department of Sociology  
Kurukshetra University  
KURUKSHETRA-



**Department of Botany**  
**Kurukshetra University, Kurukshetra**  
(‘A+’ Grade NAAC Accredited)



**In collaboration with**  
**Corporate Resource Centre (Under RUSA 2.0)**

**‘EDU-KUBOT’**

**A National Web series cum Training programme**

on

**A Fantastic World of Orchids**

Launching on

**WORLD ENVIRONMENT DAY**

Date : June 5<sup>th</sup>, 2020 Time:- 11:00 am to 12:00 noon

**Resource Person**



**Prof. Promila Pathak**  
Department of Botany  
Panjab University, Chandigarh

**Scan for Registration:**



**Patron**

**Dr. Nita Khanna**  
Vice-Chancellor, KUK

**Convener**

**Prof. Neelu Sood**  
Chairperson, Deptt of Botany

**Organizing Secretary**

**Dr. Somveer Jakhar**  
Asistt. Professor

- No registration fee
- Registration is compulsory .
- E- Certificates will be provided





**EDU-KUBOT 3.0**

**Web Series -cum- Training Programme**

on

**World Rainforest Day**

**Organized by:**

**Department of Botany**

In collaboration with

**Corporate Resource Centre (under RUSA 2.0)**  
**Kurukshetra University, Kurukshetra**  
(‘A+’ Grade NAAC Accredited)



**Resource Person**



**Dr Rajiv Angrish**

**Principal Scientist/Professor Retd.**  
**Deptt. of Botany & Plant Physiology**  
**COBS&H, CCSHAU, Hisar**

**Event details**

**A Talk**

**On**

**‘Tree Communications in the Forest’**

**Date: June 22<sup>th</sup>, 2020.**

**Time: 11:00am- 12:30noon**

**Registration Link:**

<https://forms.gle/ELWKTtgj51Q6JieS6>



**Patron**

**Dr Nita Khanna**  
**Vice Chancellor, KUK**

**Convener**

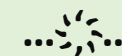
**Dr Neelu Sood**  
**Chairperson, Deptt. of Botany**

**Org. Secretary**

**Dr Somveer Jakhar**  
**Asstt. Prof., Deptt. of Botany**

**Joint Org. Secretary**

**Dr Yogesh Kumar**  
**Asstt. Prof., Deptt. of Botany**







**EDU-KUBOT 4.0**

**Web Series -cum- Training Programme**

**Organized by:**

**Botanical Association  
Department of Botany  
Kurukshetra University, Kurukshetra  
(‘A+’ Grade NAAC Accredited)**

**Key Note Speaker**



**Dr Rajesh Jalota**  
Senior Environmental Officer  
(Energy & Extractive)  
South West Queensland  
Australia



**Event Details**

**International Webinar  
on  
Ecosystem Restoration**

**Date: June 27<sup>th</sup>, 2020  
Time: 11:00 AM - 12:00 NOON**

**Registration link**



**Patron**

**Dr Nita Khanna**  
Vice Chancellor, KUK



**Convener**

**Dr Neelu Sood**  
Chairperson, Deptt. of Botany



**Org. Secretary**

**Dr Somveer Jakhar**  
Asst. Professor, KUK



**Joint Org. Secretary**

**Dr Yogesh Kumar**  
Asst. Professor, KUK



**DEPARTMENT OF CHEMISTRY**  
**KURUKSHETRA UNIVERSITY KURUKSHETRA**  
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**DEPARTMENT OF CHEMISTRY**  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
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(A+ Grade, NAAC Accredited)

**NOTICE**

Dated : 07.03.2019


Lectures will be delivered by the Goyal awardees for the year 2018-19 as per following schedule in the Department of Chemistry, K.U. Kurukshetra (Room No. 07). All the **Teachers, Research Scholars and M.Sc. (Final) Chemistry Students of Organic Chemistry and Pharmaceutical Chemistry** of the Department are required to attend the lecture as per schedule below:-

1. **Dr. Vandana Bhalla** will deliver a lecture on **08.03.2019 at 9.30 a.m. to 10.30 a.m.**
2. **Prof. Lakshmi Kantam** will deliver a lecture on **08.03.2019 at 11.00 p.m. to 12.00 p.m.**

Further, the **classes of M.Sc. (Previous) students will be shifted in Room No. 42 instead of Room No. 7 on 07-03-2019 afternoon to 08-03-2019.**

  
**CHAIRMAN**

**Circulate among all the Teachers/Research Scholars/Notice Board**

  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA

**DEPARTMENT OF CHEMISTRY**  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
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**NOTICE**

Dated : 06.04.2022

Lectures will be delivered by the Goyal awardees as per following schedule in the Department of Chemistry, K.U. Kurukshetra (Room No. 07). All the Teachers of the Department are requested to attend the lecture as per schedule below:-

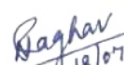
1. **Dr. A. Ajayaghosh, director of CSIR-NIIST, Thiruvananthapuram** will deliver a lecture on **07.04.2022** at **10.15 a.m.**
2. **Dr. Kana M. Sureshan** will deliver a lecture on **07.04.2022** at **2.45 p.m.**
3. **Dr. Rajneesh Misra, Indian Institute of Technology, Indore** on **08.04.2022** at **8.45 a.m.**

Further, the classes of M.Sc. (Previous) students will be shifted in Room No. 42 instead of Room No. 7 on 07-04.2022 to 08.04.2022.

Schedule of Seminars of M.Sc. (Final) students may be rescheduled accordingly (if any)

  
**CHAIRPERSON**

**Circulate to all Teachers of the Department**

  
18/07/2022  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA.



Dr. Ajayaghosh described the application of fluorescent pi-system in details. He discussed about the basic methodology of fluorescence and its application in detail.

Dr. Kana M. Sureshan detailed the covalent and non-covalent polymers and their applications in the formation of Supramolecular assembly structures. The instrumentation involved in the study was also discussed.

Dr. Rajneesh Mishra made the audience aware about the recent advances in research involved in the Mechanofluorochromic Functional Materials.

<https://www.facebook.com/1784142941826825/posts/pfbid08L2twMkhzdPzBXHTMxZN2j68iKjgVC5fYe hKjBHZnbqbpDVrQAjtcKAcTCJ74Bjkl/>



**DEPARTMENT OF CHEMISTRY**  
KURUKSHETRA UNIVERSITY, KURUKSHETRA  
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### Organizes Expert Lectures



**Dr. A. Ajayaghosh (Goyal Prize Awardee)**

Director, CSIR-National Institute for Interdisciplinary Science and Technology (NIIST),  
Thiruvananthapuram

**Title:** *Applications of Fluorescent pi-systems*

*Thursday, 7<sup>th</sup> April 2022, 10:30 AM,*

*Venue- Department of Chemistry, Room No. 7*



**Dr. Kana M. Sureshan (Rajib Goyal Prize Awardee),**

Indian Institute of Science Education and Research (IISER), Thiruvananthapuram

**Title:** *Covalent and Non-covalent polymers and their applications*

*Thursday, 7<sup>th</sup> April 2022, 03:00 PM,*

*Venue- Department of Chemistry, Room No. 7*

*Raghar*  
18/07/2022  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA

<https://www.facebook.com/1784142941826825/posts/pfbid0T3oQDWy9gbHa6CNdPV7C2SUKWYqghDzyriDA8BVcfooQwk71z3nBDuH4nYetnrhz/>



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(A+ GRADE, NAAC ACCREDITED)

**Organizes Expert Lecture on**  
**Title: *Mechanofluorochromic Functional Materials***



**Dr. Rajneesh Misra,**  
Professor, Indian Institute of Technology (IIT), Indore  
*Friday, 8<sup>th</sup> April 2022, 9:00AM,*  
*Venue- Department of Chemistry, Room No 7*

*Raghar*  
18/07/2022  
Chairperson,  
Department of Chemistry  
K.U. KURUKSHETRA

## Supramolecular Architectures by Molecular Self-assembly

*J. Am. Chem. Soc.* **2006**, *128*, 5146  
*Chem. Rev.* **2006**, *10*, 3677

*Angew. Chem.* **2006**, *118*, 1402  
*Angew. Chem.* **2006**, *118*, 1345  
*Angew. Chem.* **2007**, *119*, 400  
*Angew. Chem.* **2007**, *119*, 3741  
*Angew. Chem.* **2007**, *119*, 3514  
*Angew. Chem.* **2008**, *120*, 1100

*Angew. Chem.* **2009**, *121*, 1262  
*Angew. Chem.* **2009**, *121*, 1122  
*Chem. Commun.* **2009**, 507  
*J. Am. Chem. Soc.* **2009**, *131*, 1114

*Angew. Chem.* **2010**, *122*, 2407  
*J. Am. Chem. Soc.* **2009**, *131*, 1339  
*J. Am. Chem. Soc.* **2009**, *131*, 1127  
*J. Am. Chem. Soc.* **2009**, *131*, 1001

*Adv. Mater.* **2007**, *19*, 411  
*Adv. Mater.* **2008**, *20*, 2010  
*Adv. Mater.* **2009**, *21*, 4029  
*Adv. Mater.* **2007**, *19*, 3401-419  
*Adv. Mater.* **2007**, *19*, 1017-101

*Chem. Sci.* **2009**, *1*, 860  
*Chem. Sci.* **2008**, *1*, 1044  
*Nat. Chemistry* **2008**  
*Nature* **2003**, *426*, 141

*Angew. Chem.* **2003**, *115*, 1022  
*J. Am. Chem. Soc.* **2004**, *126*, 7160  
*Angew. Chem.* **2004**, *116*, 1400  
*Angew. Chem.* **2004**, *116*, 1400  
*Angew. Chem.* **2004**, *116*, 1400  
*Angew. Chem.* **2004**, *116*, 1400

## Materials for Security Application

**ADVANCED MATERIALS**

ADVANCED SCIENCE NEWS

**Nanosheets of an Organic Molecular Assembly from Aqueous Medium Exhibit High Solid-State Emission and Anisotropic Charge-Carrier Mobility**

Samrat Chhab, Dnyanesh Phalgun, Alimur Rashid, and Apurba Kumar Samanta

**Adv. Mater.** **2017**, *29*, 1605408

Chemical structures of DPP-oxide and DPP-amine.

Patent Filed

### COMMUNICATION

A Supramolecular Nanocomposite as a Near-Infrared-Transmitting Optical Filter for Security and Forensic Applications

Samrat Chhab, Sandeep Chandra, Chiranjit Kumar H. Sarma, and Apurba Kumar Samanta

**Adv. Mater.** **2017**, 1703783

Chemical structures of PDMs, DPP-Azobenzene, and PDMs-DPP-Azobenzene.



2022.04.07 11.26 Office Lens.jpg

### Coordination Polymer Gels

ARTICLE

#### Stepwise control of host-guest interaction using a coordination polymer gel

Paulo Din, Maheshwari, Gurun Din, & Christopher Amaratunga

Research Article

#### Thermochromic Color Switching to Temperature Controlled Volatile Memory and Counter Operations with Metal-Organic Complex and Hybrid Gels

Amal Kumar, Indira Madan, Shashi Sharma, and Anupam Kumar

Angew. Chem. Int. Ed. 2020, 59, 0000–0000  
International Edition: doi.org/10.1002/anie.202011180  
German Edition: doi.org/10.1002/ange.202011180

#### Pictorial representation of AIEE

The CN group imparts an effect on mechanoluminescence, however it induces the

Expert lecture  
08.04.2022 10:15

**DEPARTMENT OF CHEMISTRY**  
**KURUKSHETRA UNIVERSITY KURUKSHETRA**  
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**Brief report on the Offline workshop on Practical Skills for Handling  
NMR (09.11.2021)**

Offline workshop on Practical Skills for Handling NMR was organized on 09.11.2021 at 11.00 AM.

Registrations with link

<https://forms.gle/bspcoJKidxffeLS16>

67 participants were registered

The Resource Person was Prof. Pawan K. Sharma, Dean R&D.

The technical assistant was Mr. Jasbir Singh. The focus of the workshop was making the research scholars aware about the handling of NMR, preparation on Samples, labeling of samples and quantity required for the NMR, No. of scans depending upon the signals.

Precautions while using the solvents was discussed.

How to maintain the record from FID values, precautions to be taken and Significance of maintenance of records was also told.

The scholars were made aware how their small efforts can contribute to the efficiency of the NMR Machine.

*Rajhar*  
18/07/2022  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA



## KURUKSHETRA UNIVERSITY, KURUKSHETRA

Department of Chemistry, KUK is organizing a  
**Workshop on 'Practical Skills for Handling NMR'**  
on **09.11.2021 at 11:00 a.m.**

**Resource Person: Prof. Pawan K. Sharma, Dean R & D, KUK**

Technical Assistant: JASBIR SINGH

**The Workshop is open for Research Scholars and Faculty members associated with KUK. Interested participants are required to register at the following link by 06.11.2021 -**

[https://docs.google.com/forms/d/e/1FAIpQLSdOYn99IJOZ4RZ1p2IRWRYKWntLiDRwxfZt\\_s3v9gVQlvFaxw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdOYn99IJOZ4RZ1p2IRWRYKWntLiDRwxfZt_s3v9gVQlvFaxw/viewform?usp=sf_link)

**CHAIRPERSON**



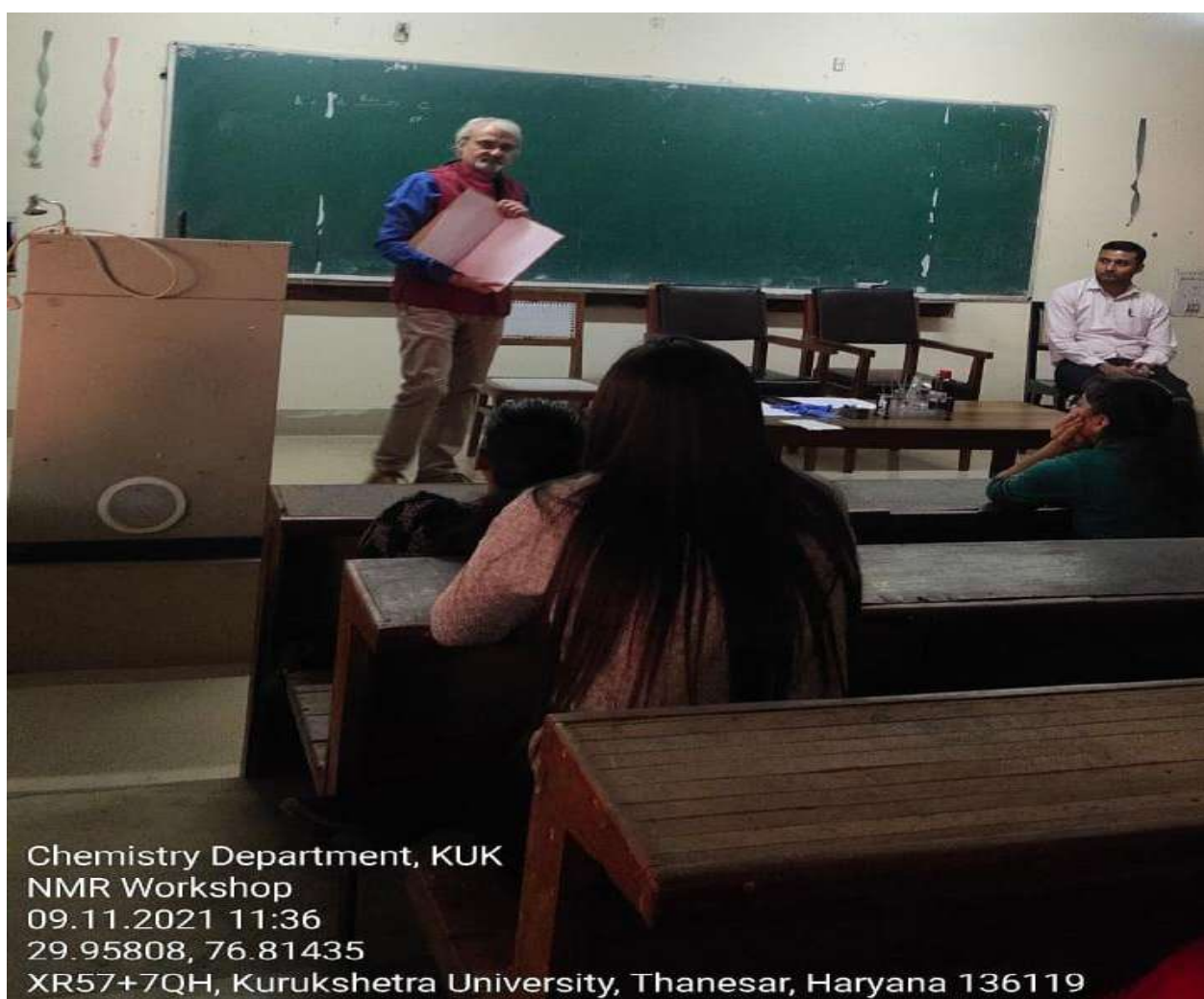




Chemistry Department, KUK  
NMR Workshop  
09.11.2021 11:13  
29.95981, 76.81677  
Kurukshetra University Campus, Kurukshetra University,  
Thanesar, Haryana 136119



Chemistry Department, KUK  
NMR Workshop  
09.11.2021 11:13  
29.9578, 76.81435  
Unnamed Road, Kurukshetra University, Thanesar, Haryana  
136119





**KURUKSHETRA UNIVERSITY KURUKSHETRA**  
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**Brief Report on the Webinar “Landscape of Covid-19 in India” 10.12.2021**

Department of Chemistry, Kurukshetra University, Kurukshetra organized a one-day webinar on “Landscape of Covid-19 in India” under the able guidance of Prof. Som Nath sachdeva, Vice Chancellor, Kurukshetra University, Kurukshetra. Invited speaker Prof. Narinder K Mehra, former Dean, AIIMS, Delhi presented a talk on the situation of Covid-19 in India.

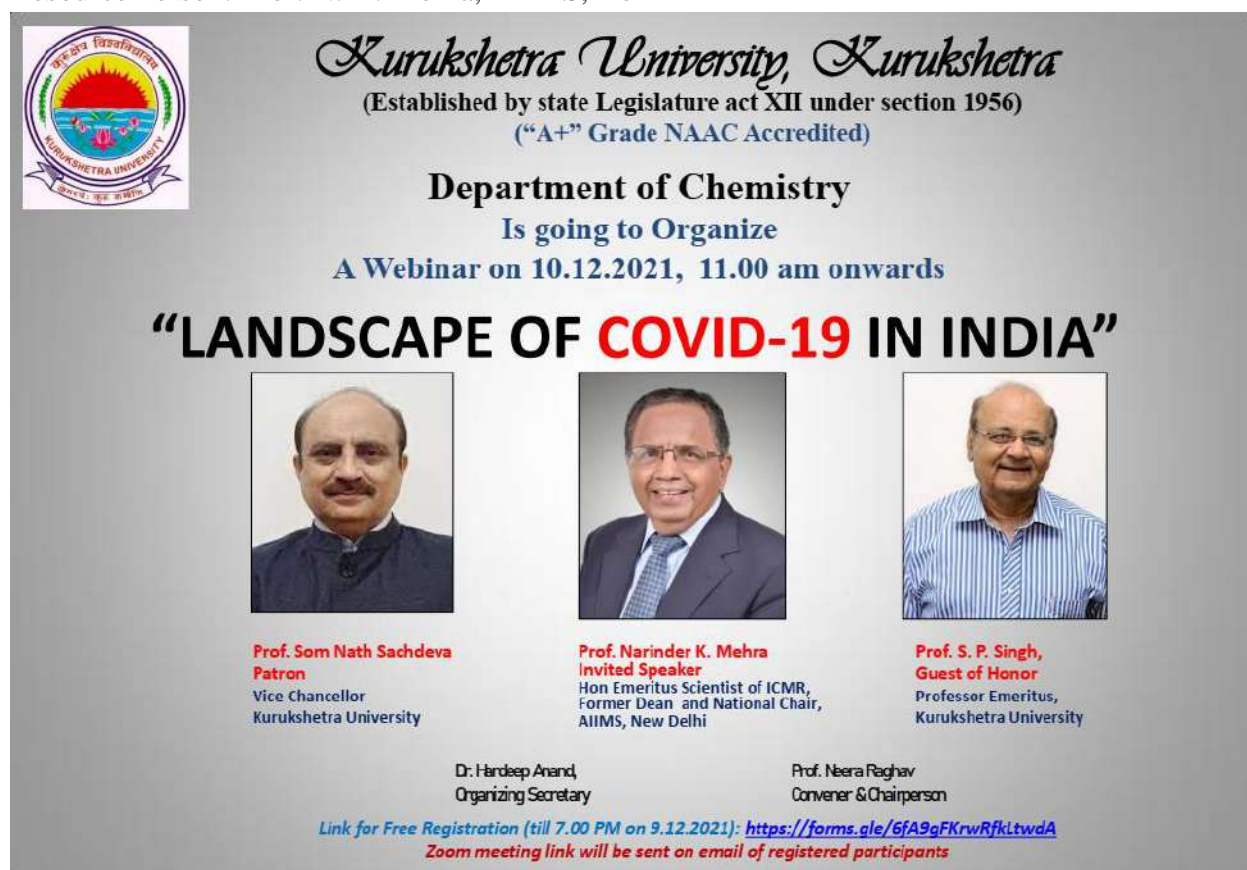
262 participants registered for the webinar.

Registration Link <https://forms.gle/y5BvqoYdem2FKT6x7>

Convener: Prof. Neera Raghav

Organising Secretary:: Dr. Hardeep Anand

Resource Person: Prof. N. K. Mehra, AIIMS, Delhi



The poster is for a webinar titled "LANDSCAPE OF COVID-19 IN INDIA" organized by the Department of Chemistry at Kurukshetra University. It features three speakers: Prof. Som Nath Sachdeva (Patron, Vice Chancellor), Prof. Narinder K. Mehra (Invited Speaker, Hon Emeritus Scientist of ICMR), and Prof. S. P. Singh (Guest of Honor, Professor Emeritus). The event is scheduled for 10.12.2021 at 11.00 am onwards. A registration link is provided: <https://forms.gle/6fA9qFKrwRfkltdwA>. The poster also mentions the organizing secretary, Dr. Hardeep Anand, and the convener, Prof. Neera Raghav.

Prof. Narinder K Mehra, told the participants that majority of the Corona cases in South Africa are caused by the variant of delta strain, omicron, which has now been declared as a variant of concern by the WHO. While stating this, Prof. N.K. Mehra, former Dean of AIIMS, New Delhi said that it was similar to the delta variant, detected first in India, and later spread to Europe and USA. Prof Mehra was speaking in a Webinar " Landscapes of

*Raghav*  
18/10/2022  
Chairperson,  
Department of Chemistry  
K.U. KURUKSHETRA.



Covid-19 in India " organised by the Dept of Chemistry, Kurukshetra University on Friday. Prof. Mehra has recently authored the book "Host Immunity and Vaccines Covid-19" A White Paper published by Indian National Science Academy. Prof Mehra further stated that at the moment, it cannot be said with certainty that omnichrone virus can break through the vaccine protection and whether it is more pathogenic than the delta variant. He advised the people to continue to be cautious and take all the precautions.

While offering comments, Prof S.P.Singh, Professor Emeritus of Kurukshetra University said that the chances of a severe 3rd wave, if at all it comes, are far less in view of the elaborate preparation by the Govt. and also by tracing the history of Spanish Flu in which 15 million people died in the second wave in 1918 as compared to the casualties in the third and fourth waves of 1919 and 1920 which were just a few thousands.

Prof Neera Raghav convener and Chairperson of Chemistry Dept. and Dr Hardeep Anand organising secretary, Professor Sanjiv Arora and Dr Suresh Kumar thanked Prof Mehra for the illuminating talk.



## ओमिक्रॉन से डरें नहीं, सावधानी बरतें : प्रो. नरेंद्र

कुरुक्षेत्र। कोरोना का नया वैरिएंट ओमिक्रॉन भारत में पाए गए डेल्टा वैरिएंट के जैसा ही है। फिलहाल यह निश्चित रूप से नहीं कहा जा सकता है कि ओमिक्रॉन वायरस वैक्सिन के माध्यम से टूट सकता है या नहीं। इससे डरने की नहीं, सावधानी बरतने की जरूरत है।

### केयू के रसायन विज्ञान विभाग की ओर से वेबिनार

यह बातें एम्स नई दिल्ली के पूर्व डीन प्रो. नरेंद्र मेहरा ने कही। वह गुरुवार को कुरुक्षेत्र विश्वविद्यालय के रसायन विज्ञान विभाग की ओर से कोविड-19 का परिदृश्य विषय पर आयोजित सेमिनार में बतौर मुख्य वक्ता बोल रहे थे।

दक्षिण अफ्रीका में कोरोना के अधिसंख्य मामले नए वैरिएंट ओमिक्रॉन के पाए गए हैं, जिसके बाद डब्ल्यूएचओ ने भी चिंता जाहिर की है। प्रो. मेहरा ने कहा कि लोगों को सतर्क रहने और सावधानी बरतने की आवश्यकता है। गौरतलब है कि उन्होंने भारतीय राष्ट्रीय विज्ञान अकादमी से प्रकाशित एक श्वेत पत्र होस्ट इम्युनिटी एंड वैक्सिन कोविड-19 पुस्तक लिखी है। कुरुक्षेत्र विश्वविद्यालय के प्रो. एसपी सिंह ने कहा कि ओमिक्रॉन वायरस के कारण अगर तीसरी लहर की आशंका है, तो सरकार की ओर से उसकी तैयारी भी की गई है। इस मौके पर प्रो. नीरा राघव, आयोजन सचिव डॉ. हरदीप आनंद, प्रो. संजीव अरोड़ा और डॉ. सुरेश कुमार सहित अन्य मौजूद रहे। संवाद

## ओमिक्रोन से डरने की बजाय सचेत रहने की जरूरत : मेहरा

जागरण संवाददाता, कुरुक्षेत्र : अखिल भारतीय आयुर्विज्ञान संस्थान नई दिल्ली के पूर्व डीन प्रो. नरेंद्र के मेहरा ने कहा कि कोरोना के नए ओमिक्रोन वैरिएंट से डरने की बजाय सतर्क रहने की जरूरत है। यह बहुत तेजी से फैलता है। वह वीरवार को कुरुक्षेत्र विश्वविद्यालय के रसायन विभाग की ओर से करवाए गए एक दिवसीय वेबिनार में संबोधित कर रहे थे।



प्रो. नीरा राघव। ●  
जागरण आर्काइव

उन्होंने कहा कि दक्षिण अफ्रीका में कोरोना के अधिकांश मामले डेल्टा स्ट्रेन के सामने आए हैं। विश्व स्वास्थ्य संगठन की ओर से इसके नए प्रकार को लेकर चिंता जताई गई है। उन्होंने कहा कि इस तरह का डेल्टा वैरिएंट भारत में भी पाया गया है। हालांकि इससे सतर्क रहने और सावधानी बरतने की सलाह दी है।

कुरुक्षेत्र विश्वविद्यालय के प्रोफेसर एमरेटस डा. एसपी सिंह ने कहा कि ओमिक्रोन वायरस को देखते हुए



आयोजित वेबिनार में हिस्सा लेते प्रतिभागी।  
● सौजन्य : पीआरओ।

सरकार की ओर से भी सभी तैयारियां पूरी कर ली गई हैं। इसके साथ ही उन्होंने यह भी कहा कि स्पेनिश फ्लू का इतिहास बताता है कि 1919 और 1920 की तीसरी और चौथी लहरों में हताहतों की संख्या, 1918 में दूसरी लहर में हताहत हुए लोगों की तुलना में बहुत कम रही थी। उन्होंने कहा कि अभी भी लोग कोरोना और इसके नए वैरिएंट को लेकर लापरवाह नजर आ रहे हैं। भीड़भाड़ और सार्वजनिक स्थानों पर बिना मास्क घूम रहे हैं।

विभाग की अध्यक्ष एवं वेबिनार की संयोजिका प्रो. नीरा राघव ने सभी प्रतिभागियों का आभार जताया। इस वेबिनार में डा. हरदीप आनंद, प्रो. संजीव अरोड़ा, डा. सुरेश कुमार भी शामिल रहे।

*Naghar*  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA  
18/10/2022

# ओमीक्रोन से डरने की बजाए सतर्क रहने और सावधानी बरतने की जरूरत

हरिभूमि न्यूज ॥ कुलक्षेत्र

केयू के कुलपति प्रो सोमनाथ सचदेवा के कुशल मार्गदर्शन में कोविड -19 का परिदृश्य विषय पर रसायन विज्ञान विभाग द्वारा एक दिवसीय वेबिनार आयोजित किया गया। एम्स, नई दिल्ली के पूर्व डीन प्रो. नरेंद्र के मेहरा ने बतौर मुख्य वक्ता बताया कि दक्षिण अफ्रीका में कोरोना के अधिकांश मामले ओमाइक्रोन, प्रकार डेल्टा स्ट्रेन के

■ वैक्सीन के माध्यम से टूट सकता है ओमिक्रोन वायरस

कारण हैं जिसे अब डब्ल्यूएचओ द्वारा चिंता का एक प्रकार घोषित किया गया है। उन्होंने कहा कि यह डेल्टा वेरिएंट जो भारत में पाया गया, के जैसा है। प्रो. मेहरा ने हाल ही में भारतीय राष्ट्रीय विज्ञान अकादमी द्वारा प्रकाशित एक श्वेत पत्र होस्ट इम्युनिटी एंड वैक्सीन्स कोविड-19 पुस्तक लिखी है। प्रो. मेहरा ने कहा

कि फिलहाल, यह निश्चित रूप से नहीं कहा जा सकता है कि ओमिक्रोन वायरस वैक्सीन के माध्यम से टूट सकता है सुरक्षा और क्या यह डेल्टा संस्करण की तुलना में अधिक रोगजनक है। प्रोफेसर एमेरिटस प्रोफेसर एसपी सिंह ने कहा कि ओमिक्रोन वायरस के कारण अगर तीसरी लहर की संभावना है, तो सरकार द्वारा विस्तृत तैयारी बहुत है और स्पेनिश फ्लू का इतिहास भी यही बताता है।

*Raghar*  
18/07/2022  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA



**DEPARTMENT OF CHEMISTRY**  
**KURUKSHETRA UNIVERSITY KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(A+ Grade, NAAC Accredited)

**Brief report on an webinar on Entrepreneurship: Risk, Rewards and Intuition (25 May 2022)**

133 students got registered via

Link for registration: <https://forms.gle/Hdsesd7bH54GjFRP8>

Patron: Prof. Som Nath Sachdeva

Convener: Prof. Neera Raghav

Organizing Secretary: Dr. Hardeep Anand

Resource Persons and schedule:

Workshop on Entrepreneurship

Registration link: <https://forms.gle/6YQW9VPfa66faiyt6>

**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
(‘A+’ Grade, NAAC Accredited)



**DEPARTMENT OF CHEMISTRY**  
organizes a **Webinar** on 25.05.2022 (4.00 pm - 5.00 pm)  
**“Entrepreneurship : Risk, Rewards and Intuition”**



**Patron**  
Prof. Som Nath Sachdeva,  
Vice Chancellor,  
K.U. Kurukshetra

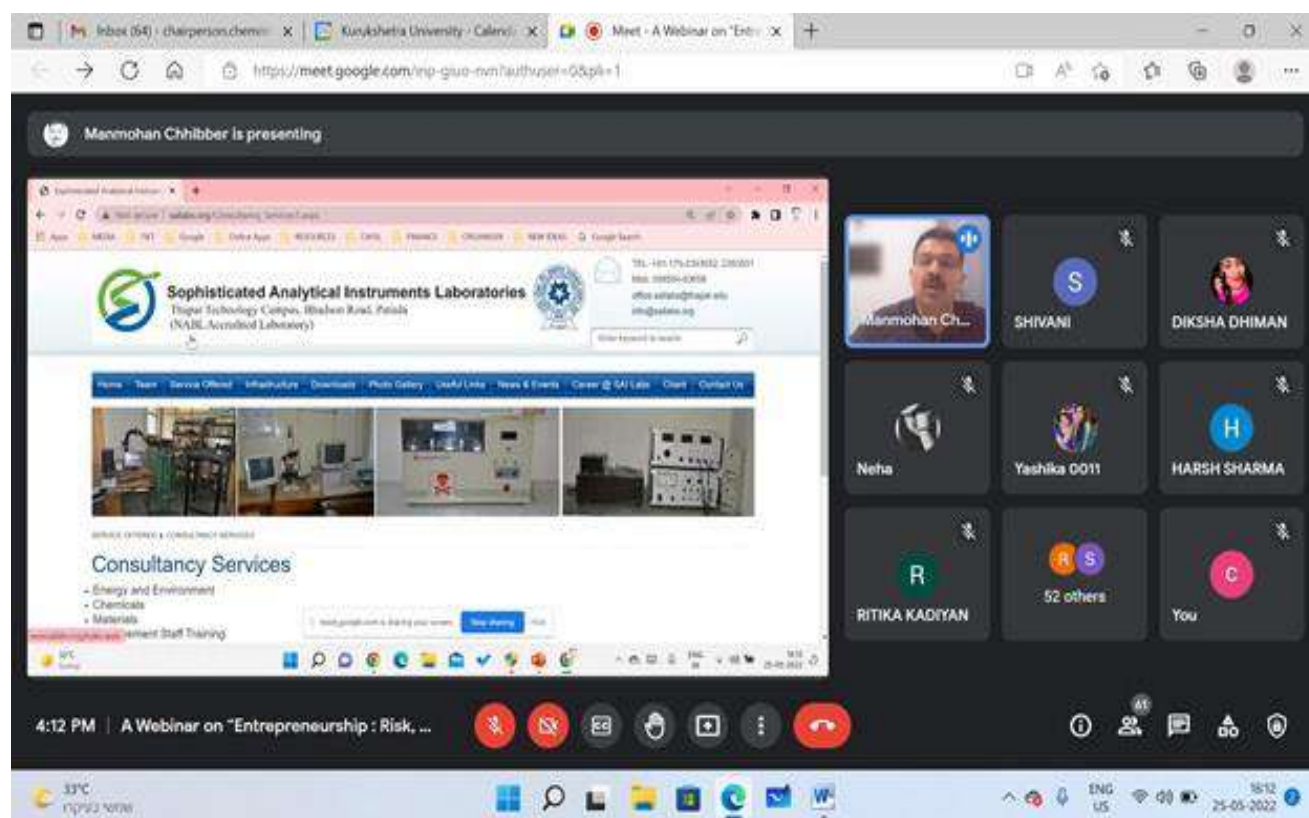


**Invited Speaker**  
Prof. Manmohan Chhibber  
Thapar Technology Campus,  
Patiala

**Prof. Neera Raghav  
(Convener)**  
**Dr. Hardeep Anand  
(Organizing Secretary)**

*Raghav*  
18/07/2022  
Chairperson,  
Department of Chemistry  
K.U. KURUKSHETRA.

The Department of Chemistry, Kurukshetra University has appointed Vice Chancellor Prof. Somnath Sachdeva organized a webinar program to encourage the students as per the instructions and cooperation. Prof. Somnath Sachdeva said that such topics are very important in today's context to move towards self-reliant India and to encourage the youth. The chief guest of the webinar Prof. Manmohan Chhibber who spoke on Entrepreneurship: Risk, Reward and Intuition. Prof. Manmohan Chhibber said that industry and business are very important responses to economic development. A person is an entrepreneur only when he takes risks and tries to start his business and make it successful. Entrepreneurship leads to higher quality of community life. All the participants participated enthusiastically and with interest. In the end Prof. Neera Raghav (Convenor) and Dr. Hardeep Anand (Co-Convenor) presented Prof. Manmohan Chhibber expressed his gratitude. On the spot Prof. Gyan Prakash Dubey, Dr. Suresh, Dr. Ramesh were present.



*Raghar*  
18/07/2022  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA

Manmohan Chhibber is presenting

amazon  
aws  
BLUE ORIGIN  
Google  
The Washington Post

Manmohan Ch... SHIVANI DIKSHA DHIMAN  
Neha Yashika 0011 HARSH SHARMA  
RITIKA KADIYAN 55 others You

4:15 PM | A Webinar on "Entrepreneurship : Risk, ..."

33°C  
18:15  
25-05-2022

*Baghav*  
Chairperson  
18/07/2022  
Department of Chemistry  
K.U. KURUKSHETRA.



Manmohan Chhibber is presenting


## Who is an Entrepreneur?

### Lifelong Learning

**READING**  
- Books  
- News sources  
- Online communities

**LEARNING**  
- Essential questioning  
- Action researching  
- Listening  
- Viewing  
- Experiencing  
- Thinking  
- Assessing  
- Metacognitive reflecting

**CONNECTING**  
- Creating  
- Writing  
- Speaking  
- Sharing  
- Engaging  
- Cooperating  
- Collaborating  
- Participating in a community of learners



# ATTITUDE IS EVERYTHING

CHANGE YOUR ATTITUDE, CHANGE YOUR LIFE!

JEFF KELLER

4:59 PM | A Webinar on "Entrepreneurship : Risk, ...

32°C  
03/23/2022

ENG US 16:59 25-05-2022

*Baghar*  
18/07/2022  
Chairperson,  
Department of Chemistry  
K.U. KURUKSHETRA.



Manmohan Chhibber is presenting

Indian Institute of Science, Bangalore

The Taj Mahal Palace, Mumbai

The Empress Mill, Nagpur

Tata Institute of Fundamental Research, Mumbai

Manmohan Ch...  
DIKSHA DHIMAN  
Shivaji Thareja  
RAHUL  
Neha  
Yashika OOTI  
HARSH SHARMA  
49 others  
You

4:25 PM | A Webinar on "Entrepreneurship : Risk, ...

33°C  
25-05-2022

**A Webinar on "Entrepreneurship : Risk, Rewards and Intuition"**  
Wednesday, May 25 - 3:40 - 5:50pm

**Join with Google Meet**  
meet.google.com/elp-giwo-nvn

**Join by phone**  
(US) +1 859-568-3080 PIN: 212 471 448#

More phone numbers

**Take meeting notes**  
Start a new document to capture notes

151 guests  
5 yes, 1 no, 1 maybe, 144 awaiting

A Webinar on "Entrepreneurship : Risk, Rewards and Intuition" is being organized by the Department of Chemistry, Kurukshetra University, Kurukshetra on 25-05-2022 from 4.00 PM to 5.00 PM

Invited Speaker: **Prof. Manmohan Chhibber**,  
Professor-Incharge  
Sophisticated Analytical Instruments  
Laboratory,  
Thapar Technology Campus,  
Patiala - 147004

Going?

*Raghar*  
18/07/2022  
Chairperson  
Department of Chemistry  
K.U. KURUKSHETRA



**DEPARTMENT OF CHEMISTRY**  
**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
(Established by the State Legislature Act XII of 1956)  
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**NOTICE**

Dated : 08.06.2022

All the students of M.Sc. (Previous) Chemistry and Research Scholars are directed to assemble in ground of P.C. Ray Bhawan at **4:30 PM** today i.e. **08.06.2022** for the **practical training of Fire Extinguishers**.

*Raghu*  
*08/06/2022*  
**CHAIRPERSON**

**Notice Board**

**Training Session to operate Fire Extinguisher (08.06.2022)**

An extension activity was conducted 'as Training session to operate fire extinguishers' in the surrounding of Chemistry Department where expired Fire extinguishers were used in order to provide training. M.Sc. students, Research Scholars, Faculty members and non-teaching staff were involved.

*Raghu*  
*18/07/2022*  
Chairperson,  
Department of Chemistry  
K.U. KURUKSHETRA.



GPS Map  
Camera Lite

XR47+XQJ, Kurukshetra University, Thanesar, Haryana  
136119, India

Latitude  
29.95767166666667°

Longitude  
76.81443666666668°

Local 04:41:40 PM  
GMT 11:11:40 AM

Altitude 233.6 meters  
Wednesday, 08-06-2022

Note : good day



GPS Map  
Camera Lite

XR47+XQJ, Kurukshetra University, Thanesar, Haryana  
136119, India

Latitude  
29.95767166666667°

Longitude  
76.81443666666668°

Local 04:43:58 PM  
GMT 11:13:58 AM

Altitude 233.6 meters  
Wednesday, 08-06-2022

Note : good day





GPS Map  
Camera Lite

XR47+XQJ, Kurukshetra University, Thanesar, Haryana  
136119, India

Latitude  
29.95767166666667°

Longitude  
76.81443666666668°

Local 04:40:45 PM  
GMT 11:10:45 AM

Altitude 233.6 meters  
Wednesday, 08-06-2022

Note : good day



XR47+XQJ, Kurukshetra University, Thanesar, Haryana  
136119, India

Latitude  
29.95767166666667°

Longitude  
76.81443666666668°

Local 04:36:55 PM  
GMT 11:06:55 AM

Altitude 233.6 meters  
Wednesday, 08-06-2022

Note : good day





GPS Map  
Camera Lite

XR47+XQJ, Kurukshetra University, Thanesar, Haryana  
136119, India

Latitude  
29.95767166666667°

Longitude  
76.81443666666668°

Local 04:40:40 PM  
GMT 11:10:40 AM

Altitude 233.6 meters  
Wednesday, 08-06-2022

Note : good day





GPS Map  
Camera Lite

XR47 +XQJ, Kurukshetra University, Thanesar, Haryana  
136119, India

Latitude  
29.95767166666667°

Longitude  
76.81443666666668°

Local 04:38:50 PM  
GMT 11:08:50 AM

Altitude 233.6 meters  
Wednesday, 08-06-2022

Note : good day

*Raghar*  
18/07/2022  
Chairperson,  
Department of Chemistry  
K.U. KURUKSHETRA.