

6.3.3 Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the session July 2021-June 2022

Year	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	No. of participants
2021-22	Advancements in the methodologies for the development of synthetic Materials	NIL	06.06.2022-11.06.2022	45

Vandana

6/12/2020

Head.
Department of Chemistry
IKG Punjab Technical University
Kapurthala-144603 Punjab (India)

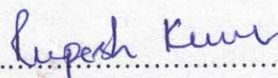
I. K. Gujral Punjab Technical University, Kapurthala-144603 (PB)


STATEMENT OF EXPENDITURE

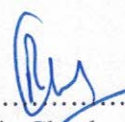
Name of the Scheme under which Grant was sanctioned	AICTE – Technical University Joint Training Programme for Teachers
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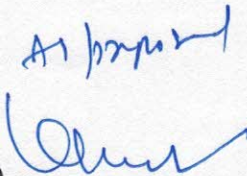
Reference No. : IKGPTU/REG/311 dated 24.05.2022
 Title of the Programme : Advancements in the Methodologies for the development of Synthetic Materials
 Duration of the FDP : 06.06.2022 to 11.06.2022 (One Week)
 Name of the Coordinators : Dr Rupesh Kumar, Department of Chemical Sciences, IKGPTU Kapurthala
 Organized at : Department of Chemical Sciences, IKGPTU Kapurthala
 Number of Participants : 45
 AICTE Sanctioned Grant : 1,50,000/- (One Lakh Fifty Thousand Only)
 IKGPTU Sanctioned Grant : 1,50,000/- (One Lakh Fifty Thousand Only)



S. No.	Heads	Details of Expenditures	IKGPTU
1.	Coordinator Honorarium	Honorarium to FDP Coordinator	3000
2.	Boarding & Lodging of Participants	Boarding & Lodging	NIL
3.	Stationary & Working Expenses	Flex, printing of certificates & Mementoes etc.	9812
4.		Bouquets & pants for chief Guest & speakers	4180
5.	Refreshment and Food	Tea, coffee, Lunch etc	56290
6.	Honorarium to Resource Persons	Exceeding to 20% of the total incurred amount	12123
Total Utilization of Funds			85405
Total Sanctioned Amount			150000
Balance Amount			64595

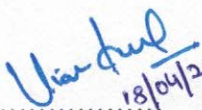

(1) 
 Dr Rupesh Kumar
 Assistant Professor, Chemistry
 Coordinator FDP
 (Name & Signature)

(2) 
 Dr Gaurav Bhargava
 Prof. & HoD (Applied Sciences)
 (Name & Signature with Seal)

(3) 
 Dr Rajiv Chauhan
 AICTE Coordinator, IKGPTU
 (Name & Signature with Seal)

(4) 
 Prof (Dr) Vikas Chawla
 Chief AICTE Coordinator-cum-
 Dean Academic, IKGPTU
 (Name & Signature with Seal)

(5) 
 (Name & Signature with Seal)
 Dr. Sukhbir Singh Walia
 Finance Officer
 IKG PTU Kapurthala


(6) 
 (Name & Signature of Chartered Accountant)
 Name: VARINDER SINGH
 Membership: 5312
 Rubber Stamp:
 Full Address: H.No. 31/18, Malsoni, Kapurthala
 member, Chartered Accountant


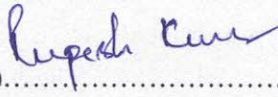
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S. No.	Heads	Details of Expenditures	AICTE
1.	Study Material	Study Material (File/Kit Bags etc)	47027
2.	Honorarium/TA/DA	Honorarium to Resources Persons	38877
3.	to resource persons	TA to Outstation Resources Persons	23077
Total Utilization of Funds			108981
Total Sanctioned Amount			150000
Balance Amount			41019

(1) 


Dr Rupesh Kumar
Assistant Professor, Chemistry
Coordinator FDP
(Name & Signature)

(2) 


Dr Gaurav Bhargava
Prof. & HoD (Applied Sciences)
(Name & Signature with Seal)

(3) 

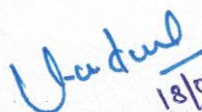
Dr Rajiv Chauhan
AICTE Coordinator, IKGPTU
(Name & Signature with Seal)

As proposed
(4) 

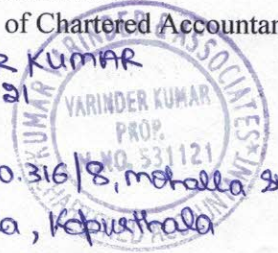
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Chief AICTE Coordinator-cum-,
Dean Academic, IKGPTU
(Name & Signature with Seal)

(5) 
(Name & Signature with Seal)

Dr. Sukhbir Singh Walia
Finance Officer
IKG PTU Kapurthala

(6) 
(Name & Signature of Chartered Accountant)

Name: VARINDER KUMAR
Membership: 531121
Rubber Stamp:
Full Address: H.No. 316/8, Mohalla Sheitatan
wala, Kapurthala



I. K. Gujral Punjab Technical University, Kapurthala (PB)

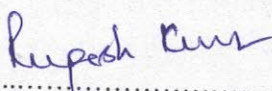
FUNDS UTILIZATION CERTIFICATE (2022-23)

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S. No.	Latter No. and date	Amount	Statements
(a)	Date of Order Ref. No.: IKGPTU/REG/311 dated 24.05.2022	Rs. 1,50,000	Certified that amount of Rs. 1,50,000/- of grants-in-aid sanctioned during the year 2022-23 by the Registrar, IKGPTU Kapurthala under this University Letter Ref. No.: IKGPTU/REG/311 dated 24.05.2022
(b)	Advance received	Rs. 90,000	A sum of Rs. 90,000/- was received at IKGPTU Kapurthala as advance.
(c)	Utilized amount from advance	Rs. 48597	Utilized for the purpose of Faculty Development Programme for which it was sanctioned.
(d)	Unutilized amount from advance	Rs. 41403	Remained un-utilized, surrendered and deposited in the account of IKGPTU Kapurthala (Account 50100235790245) dated 07.07.2022.

Certified that I have satisfied my self that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the propose for which it was sanctioned.

(1) 

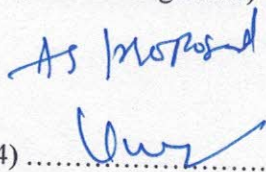
Dr Rupesh Kumar
 Assistant Professor, Chemistry
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 (Name & Signature)

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Dr Gaurav Bhargava
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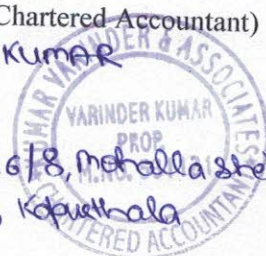
Prof (Dr) Vikas Chawla
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 Dean Academic, IKGPTU
 (Name & Signature with Seal)

(5) 

(Name & Signature with Seal)
 Dr. Sukhbir Singh Walia
 Finance Officer
 IKG PTU Kapurthala

(6)  18/04/2023

(Name & Signature of Chartered Accountant)
 Name: VARINDER KUMAR
 Membership: 531121
 Rubber Stamp:
 Full Address: H.No. 316/8, Mohalla Sheikhan
 wala, Kapurthala



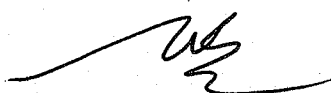
I.K. Gujral Punjab Technical University, Kapurthala
Department of Chemical Sciences

Report

AICTE and IKGPTU sponsored one week Faculty Development Programme on
“Advancements in the Methodologies for the development of Synthetic Materials”
06.06.2022-11.06.2022

An AICTE and IKGPTU sponsored one week Faculty Development Programme on **“Advancements in the Methodologies for the development of Synthetic Materials”** was conducted by the Department of Chemical Sciences during the **06.06.2022-11.06.2022**. A total of 45 participants from Punjab, Himachal and Haryana have participated in the event. Faculty members, research mentors and research scholars from various government & private universities and institutes attended the event. They got benefitted by interaction with several eminent personalities and experts and found new areas of research in their respective fields. In the event, patronized by the Vice-Chancellor of the University, Sh. Rahul Bhandari, IAS, the Chief Guest of the inaugural session was Dr Neelkanth Grover, Dean, Student Welfare, IKGPTU. In his address he stressed upon the importance of the development in materials science and its applications in the contemporary world. He correlated the underlying theme with the Current need of the society. He highlighted the importance and role of characterization techniques for different materials. During this programme of one-week, experts delivered their respective talks on different topics related to the importance of chemistry & materials, fluorescent sensors, surface chemistry, physical properties of the materials, supramolecular materials, biomaterials, organic materials etc. Workshop sessions was also conducted at Centre for Invention, Innovation, Incubation and Training at IKGPTU, Kapurthala. A short visit was also organised on renewable energy to visit the S S National Institute of Renewable Energy, Kapurthala.

On the day 1, i.e. 06.06.2022, in academic session II, Prof. Manoj Kumar delivered a lecture on History of chemistry: A beautiful journey. In his lecture he talked about the life, achievements and discoveries made by notable scientists like discovery of atom by Rutherford, J.J. Thomson and Bohr and work done by Prof. Onnes in the field of superconductivity, Madam Marie Curie in the field of radioactivity, discovery of Nitrogen by Lavoisier etc. He also told that year 2011 is now celebrated as the International year of chemistry to recognize the achievements of chemistry throughout history and its contributions to the humankind. He also



mentioned about the first physical and inorganic chemist of world such as Van't Hoff, Ostwald, Arrhenius, Nerst, Ramsay, Moissan, Werner and their contributions in scientific field. In the last he mentioned the renowned Indian Chemists Acharya Sir Prafulla Chandra Ray and Ruchi Rama Sahni. Dr. Manoj told that Sir PC Ray is known as "father of Indian Chemistry" and the first pharmaceutical company i.e. Bengal Chemical and Pharmaceutical Works Ltd in India was established by him in 1901.

In the session III Prof. Manoj Kumar talked on Fluorescent sensors. He started his talk by explaining the phenomenon of fluorescence and other radiative and non-radiative processes using Jablonski diagram. Then he discussed the various design principle of a fluorescent sensor and various mechanisms involving in a fluorescent molecule such as photoinduced electron transfer, fluorescence resonance energy transfer and highlighted the difference between through bond energy transfer and through space energy transfer. He emphasized that much of research on fluorescent sensors is going due to its wide range of applications such as real time visualization, sensitivity, drug delivery and as a therapeutic agents. Then he told that from the last 20 years his research group is actively involved in the design and synthesis of small fluorescent molecules for the detection of metal ions such as mercury, zinc, anions and reactive oxygen and nitrogen and sulphur species and their biological applications in living cells. He highlighted the role of real time detection of toxic metal ions such as mercury which causes the Minamata disease and hazardous effects of other metal ions. He concluded his talk by giving the representative examples of fluorescent molecules which are used as molecular keypad lock and molecular devices.

In the session IV of day 1, Dr Chander Prakash discussed the New Education Policy thoroughly. All the Participants interacted with the expert discussing the various aspects of the policy.

In the session I of day 2 (07.06.2022) of FDP, the resource person was Dr Tejwant Singh, Associate Professor, Department of Chemistry, GNDU, Amritsar. In his talk on "Ionic Liquids for Sustainable Preparation of Advanced Materials", he discussed about the exclusive properties, wide spread applications and tunable nature of ionic liquids. Further he elaborated on the synthesis of some nicotine-based ionic liquids and their role in the synthesis of silver/silver bromide nanoparticles and hence exfoliation of graphene. His talk was extremely elaborative and the concepts were thoroughly made clear.

The resource person for the session II of day 2 was Dr Ravi Chand Singh, Honorary Professor, Department of Physics, GNDU, Amritsar. In his talk on "Metal Oxide Semiconductor based Gas Sensors", he explained the need for gas sensors, their types and characteristics, specifically



the sensor response, response time, sensitivity, and reproducibility of gas sensors. He also explained the procedure to fabricate the sensors within the laboratory and use it for sensing applications. He explained how his research group had been actively engaged in the field of material research, synthesizing metal oxide nanoparticles and then depositing it into suitable substrates for their electrical and gas sensing properties. The talk was really informative and elaborative.

In the session III & IV, Dr Jujhar Singh delivered the talk on skill development. He apprised about the use of 3D printer, laser engraving etc. He described the use of 3D printer in the contemporary scenario for the advancements of the designs and other things. He accompanied the students to the CIIT skill centre and make it possible to get the hands-on experience on the available machines. These sessions involves the visit of participants to the Centre for invention, innovation, incubation and training Labs and Workshop at IKG Punjab Technical University, Kapurthala. Dr. Jujhar Singh, Coordinator CIIT briefed the project to the faculty and the students. Apart from this, SME's from Tata Technologies provided information about the additive manufacturing and advance manufacturing techniques.

Moreover, Technical Assistant, CIIT showed all the machines and equipment available at the CIIT Center. The main motive of this FDP was to make the faculty aware about the availability of high end industrial machines at the CIIT Centers so that the faculty members of the department can map their curriculum with the courses of the CIIT and students can be given training for the same.

On day 3, in the academic session I, Professor Prabodh Kumar Sehajpal presented his valuable talk on biochemical Markers. He elaborated the importance of biochemical markers as an aid in diagnosing or in predicting susceptibility to the disease. He beautifully explained the things by taking suitable examples.

In the session II of day 3, Dr. Amit Sarin delivered his talk of Bio-fuels, its synthesis and extensive applications. In his elaborative talk, he discussed about the importance of biomass and biofuels that are necessary for the development of green, renewable and sustainable alternative of fossil fuels. He discussed about the possible many technologies for the conversion of cellulosic biomass and other residues which are under development and research; the scientific know-how which is not yet widely known but it would be more than worthy of attention for the future development.

On day-3, 08.06.2022, in the academic session III, the resource person, Dr. Hitesh Sharma presented his talk on Modeling and Simulation of materials. He started his lecture by explaining the nature, types and interactions between materials and told how modeling and simulations is



widely used for the optimization of structure of materials as well as small molecules. He further added modeling is mathematical description of an entity or proceedings or state of affair. He also explained the types of models and multiscale materials modeling. He described the each term of Schrodinger wave equation and Born-Oppenheimer approximation in a very simple way. He also briefed that the Density functional theory in a nut shell is application that reduces the $3N$ - dimensional problem to a 3-dimentional one. He ended his talk by demonstrating the software which his research team is using for the simulation and modeling of materials.

In academic session IV, the resource person Dr. Gaurav Bhargava explained the cycloaddition reactions by taking the various examples from literature as well as from their own research work. He told that transition metal-catalyzed cycloaddition reactions are one of the few sustainable methods which lead to synthesis of complex molecules with high atom economy exploiting simple synthetic precursors. He further added the two-component cycloadditions such as $[4 + 2]$ or $[3 + 2]$ transformations are synthetically most explored reactions for the synthesis of six and five-membered carbo-/heterocycles. Contrary to this, synthesis of higher-membered carbo-/heterocycles using $[m+n+o]$ cycloadditions still is infancy and needs the attention of synthetic chemists. He mainly focused on Ni, Rh and Ru catalyzed cycloadditions and emphasized that there is still a room for other metal catalyzed reactions.

In the session I of day 4, Professor Vikas Chawla delivered his talk on Surface modifications for thermal and condensed materials. He emphasized on the various techniques for the surface modifications of different materials to get their properties improved.

In the academic session II, Prof. Susheel Mittal, Vice cancellor of Dr. Beant Singh state university was the resource person. He delivered his talk on Nano-Particle Modified Microbial Biosensors for Pesticide Detection. In his talk he talked about the biosensor, its need and highlighted the various applications of biosensors ranges from drug discovery, disease detection, water, soil and food quality monitoring to toxins of defence interest. He added that his research group is actively engaged in the development of sensor for the detection of pesticides as excess amount of pesticides responsible for neurological diseases as well as causes water contamination. He explained that complexation of pesticide with the alkaline phosphatase enzyme inhibit the dephosphorylation of p-Nitropheny phosphahate substrate which eventually decreases the magnitude of current. In the end, he explained the nonoparticle based approach for the pesticide detection.

In the academic sessions I & II of day 5, Dr. Prabhpreet Singh of Guru Nanak Dev University was the resource person. He delivered his talk on "Tailor made Rylene dye: Leveraging the synthetic design and its application as sensor for bioanalyte". He started his lecture by



explaining the difference between dye and pigments. He explained the types, reaction sites and applications of rylene dye emphasizing the perylene diimide dye. In the second part of his lecture he revealed the utilization of chromo-fluorescent dyes and small molecule for development of diagnostic kits as point-of-care testing (POCT) tools for biomarkers and or proteins. He elaborated his lecture on latent fingerprinting and highlighted that Latent fingerprints (LFPs) identification is of paramount importance for national security and criminal investigations.

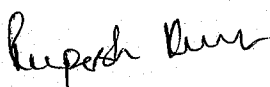
In the session III & IV, the speaker Prof. Narinder Singh from IIT, Ropar gave his valuable talk on "An interdisciplinary approach to analytical Techniques". In the first session, speaker shared research topic related to molecular contribution for detection of heavy metals like Hg^{2+} ion. One of them was using of rhodamine appended dipodal derivative for Hg^{2+} ion sensing. Various fluorescent active organic molecules were shared for their optimum analytical performances. In addition, the metal oxide decorated with organic nanoparticles were discussed for ratiometric sensor. The ratiometric sensor was on based ratio of two emission wavelength intensities. The metal complexes were discussed for cancer screening strategy and developed portable sensor. The fluorescent sensors were used for food adulteration by visual detection. The various advanced analytical instruments were used for characterizations and physico-chemical properties study. In the second session, the experimental evidence for understanding the complex structures and various process involved in the sensor development were discussed. This was believed that the mechanism would be first step to understand or design a new molecule and among those are Förster resonance energy transfer (FRET), photoelectron transfer, and intermolecular charge transfer. The organically modified copper nanocluster was discussed and shared that density functional theory calculation were used along with mass spectrometry technique to identify the probable copper cluster structure. In addition, it was also discussed the molecular rigidity could be one of the reason for formation organic nanoparticles. This gives us immense exultation for ongoing research activity in the fluorescent sensor development and this faculty development program motivated me towards more research activity.

On day 6, in the session I, Dr. Anirudh P. Singh delivered lecture on Developing R & D culture in Educational /Institutions and NEP 2020. He focused on Importance of Research in academics and how it can be developed in educational institutions. He also talked about creating awareness regarding research among students by the faculty. He further gives emphasis on adopting NEP 2020 and its benefits to students in their near future. He emphasised

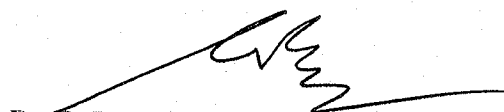


the importance of research because for any accreditation body the research component has the high contribution in the accreditation.

In the session II & III, the test was conducted and evaluated to the learnings of the participants. Feedback was also collected from the participants regarding the conduct of FDP and scope of the improvements for the future. In the last session, certificates were distributed among the participants. Dr. Rupesh Kumar, Coordinator of the programme, thanked the participants and guests.



Rupesh Kumar
Programme Coordinator



Prof. (Dr.) Gaurav Bhargava
Head, Chemical Sciences

Department of Chemical Sciences
I.K. Gujral Punjab Technic-
Kapurthala



I.K. Gujral Punjab Technical University, Kapurthala

Department of Chemical Sciences



AICTE and IKGPTU sponsored Faculty Development Programme on “**Advancements in the Methodologies for the development of Synthetic Materials**”
(06.06.2022-11.06.2022)

Day & Date	09.15 AM-10.45 AM		11.00 AM - 12.30 PM		01.30 PM - 03.00 PM		03.15 PM - 04.45 PM
Day-1 06.06.2022 Monday	Registration & Inauguration		Dr Manoj Kumar , Guru Nanak Dev University, Amritsar Keynote Speaker		Dr Manoj Kumar , Guru Nanak Dev University, Amritsar		Dr Chander Parkash IKGPTU, Main Campus
Day-2 07.06.2022 Tuesday	Dr Tejwant Singh Kang , GNDU, Amritsar		Dr Ravi Chand Singh , GNDU, Amritsar		Dr Jujhar Singh Workshop at Centre for Invention, Innovation, Incubation and Training (CIIT), IKGPTU Kapurthala	Tea Break	Dr Jujhar Singh Workshop at Centre for Invention, Innovation, Incubation and Training (CIIT), IKGPTU Kapurthala
Day-3 08.06.2022 Wednesday	Dr P K Sehajpal , Guru Nanak Dev University, Amritsar	Tea Break	Dr Amit Sarin , IKGPTU, Amritsar Campus	Lunch Break	Dr Hitesh , IKGPTU, Main Campus, Kapurthala		Dr Gaurav Bhargava , IKGPTU, Main Campus
Day-4 09.06.2022 Thursday	Dr Vikas Chawla , IKG PTU Kapurthala		Dr Susheel Mittal , Beant University, Gurdaspur		Dr Sachin Kumar , Deputy Director S S NIRE, Kapurthala		Dr Sachin Kumar , Deputy Director (Visit to S S NIRE, Kapurthala)
Day-5 10.06.2020 Friday	Dr Prabhpreet Singh , Guru Nanak Dev University, Amritsar		Dr. Prabhpreet Singh , Guru Nanak Dev University, Amritsar		Dr Narinder Singh , IIT Ropar		Dr Narinder Singh , IIT Ropar
Day-6 11.06.2020 Saturday	Dr Anirudh Pratap Singh , Desh Bhagat University, Mandi Gobindgarh)		Test, Evaluation & Feedback		Valediction, Followed by High Tea		

I.K. Gujral Punjab Technical University

The University was established in 1997 as Punjab Technical University and renamed as I. K. Gujral Punjab Technical University by State Government in 2015. University offers UG and PG degrees in sciences. It includes M.Sc. and B.Sc. Honours in Chemistry, Mathematics and Physics. Other established departments are Food Science and Technology, Journalism and Mass communication, Management & Hospitality and Humanities. University also offers B.Tech. degree programmes in different engineering streams like Electronics & Communication, Computer Science & Engineering, Electrical Engineering, Civil Engineering, and Mechanical Engineering.

Department of Chemical Sciences

Department of Chemical Sciences was established in 2016. Department of Chemical Sciences at I. K. Gujral PTU strives to achieve excellence in research and teaching in Chemistry. Department is offering PhD, MSc Chemistry and BSc Honours Chemistry. The Department has well-furnished and centrally air conditioned laboratories. The Department is well supported by the library possessing a vast variety of titles related to the different streams of Chemistry. The faculty is extremely well qualified and motivated with a strong commitment to research which is reflected in the sanctioned projects sponsored by the Ministry of Human Resource Development, Department of Science and Technology, Department of Atomic Energy, and many other organizations.

Advancements In the Methodologies for the development of Synthetic Materials

Chief Patron

Sh. Rahul Bhandari

Vice-Chancellor, IKGPTU Kapurthala

Patron (s)

Prof. (Dr.) Vikas Chawla

Dean Academics, IKGPTU Kapurthala

Dr. S. K. Mishra

Registrar, IKGPTU Kapurthala

Mentor

Prof (Dr.) Gaurav Bhargava

Head, Department of Chemical Sciences

Programme Coordinator

Dr Rupesh Kumar, Assistant Professor,

dr.rupesh@ptu.ac.in (94658-84829)

Organizing Committee

Dr. Chander Prakash, Assistant Professor

Dr. Vandana Naithani, Assistant Professor

Dr. Roopa, Assistant Professor

Dr. Reshu Sanan , Assistant Professor

Dr. Sanjeeb Sutradhar, Assistant Professor

Dr. Rashmi Sharma, Assistant Professor

For queries, please contact:

For registration: Dr. Reshu Sanan (9463725685)

For accommodation: Dr. Chander Prakash
(9478098059)

AICTE and IKGPTU sponsored Faculty Development Programme

Advancements in the Methodologies for the development of Synthetic Materials

June 06, 2022—June 11, 2022

Sponsored by



Organized by

Department of Chemical Sciences
I.K. Gujral Punjab Technical University
Kapurthala-144603
(Punjab)



Advancements in the Methodologies for the development of Synthetic Materials

Current research aims at developing new advanced materials manipulating their intrinsic properties to improve the performance of the material that work with very high efficiency and accuracy. Modern advanced materials with definite integral properties and functions are being designed and developed to be used for a specific purpose like catalysis, medicinal application, energy storage, energy conversion, sensing etc. These are expected to play a leading role in finding solutions to the problems of the modern era.

The objectives of the FDP are to provide comprehensive knowledge of recent developments in the synthetic materials, their characteristics, fabrication, characterization and applications in the advancement of Science and Technology in various fields. The other objective of the proposed FDP is to discuss the ongoing research activities covering various areas. The FDP comprises invited talks in the various fields of materials science.

COURSE CONTENTS

- **Design and development of novel multi-functional advanced / nano-materials and their applications in various domains.**
- **Refined Materials for solar energy conversion and storage.**
- **Fabrication and characterization of nano-materials for catalysis.**
- **Advanced characterization techniques.**

Eminent scholars from premier industry, academic and research institutions will be there to deliberate the research on new materials. Some of the renowned persons from industry will also discuss the new methodologies and responsive manufacturing protocols.

FDP on “Advancements in the Methodologies for the development of Synthetic Materials”

06.06.2022 to 11.06.2022

Registration Form

Name of the Candidate:

Subject area:

Department:

Designation:

Affiliation and address:

Gender:

Mobile:

Email:

Accommodation required: (Yes/No)

Signature

Candidates are required to send duly filled form to Dr. Reshu Sanan at 'reshusanan@gmail.com' or complete your registration using given link :

<https://forms.gle/CAzyKQAttHcCThPx6>

WHO CAN ATTEND

Teachers, researchers and PhD scholars from Engineering and Sciences institutes or universities.

IMPORTANT INSTRUCTIONS

- No course fee
- Limited seats
- Registration & confirmation on first-come first-serve basis
- Teachers and Researchers can apply online through the given link or they can send their registration form
- Last date to apply: 05.06.2022

Mode of conduct of programme will be offline only.

Certificates will be awarded only after the successful completion of the 6 days course with minimum 80% attendance and 60% marks during the final evaluation as per the AICTE prescribed criterion.

For general queries and correspondence, please refer to:

Dr. Rupesh Kumar, Assistant Professor
Department of Chemical Sciences
I. K. Gujral Punjab Technical University,
Main Campus, Kapurthala-Jalandhar
Highway
Kapurthala-144603 (Punjab) India

Email: dr.rupesh@ptu.ac.in
Mobile: 9465884829, 9914231989



I.K. Gujral Punjab Technical University, Kapurthala
Department of Chemical Sciences

Dated: 11.06.2022

Ref. No. IKGPTU/CS/3529

A. The following participants have been awarded the certificates on the successful completion of AICTE and IKGPTU sponsored Faculty Development Programme on "Advancements in the Methodologies for the development of Synthetic Materials" (06.06.2022-11.06.2022).

Ref.No.	Name of the Participant	Designation	Affiliation
IKGPTU/CS/3529/1	Dr. Praveen Kumar	AP	Department of Physics, DAV University, Jalandhar
IKGPTU/CS/3529/2	Dr. Deepak Kumar Goyal	AP	Mechanical Engineering, IKGPTU, Kapurthala
IKGPTU/CS/3529/3	Dr. Shivani Vij	AP	Department of Applied Sciences, DAV Institute of Engineering and Technology, Jalandhar
IKGPTU/CS/3529/4	Dr. Ashok Kumar	Associate Professor	Department of Applied Sciences, DAV Institute of Engineering and Technology, Jalandhar
IKGPTU/CS/3529/5	Ms. Mankomal	RS	Lovely Professional University, Jalandhar
IKGPTU/CS/3529/6	Ms. Kuljit Kaur	RS	Lovely Professional University, Jalandhar
IKGPTU/CS/3529/7	Dr. Kapil Sood	AP	Government Degree College, Dhaliara, The Dehra, Distt Kangra, HP
IKGPTU/CS/3529/8	Dr. Sonika Jindal	AP	Shaheed Bhagat Singh State University, Ferozepur
IKGPTU/CS/3529/9	Dr. Geeta Arora	AP	Shaheed Bhagat Singh State University, Ferozepur
IKGPTU/CS/3529/10	Dr. Amandeep Singh	AP	CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar
IKGPTU/CS/3529/11	Dr. Barinderjit Singh	AP	Department of Food Science & Technology, IKGPTU, Kapurthala
IKGPTU/CS/3529/12	Ms. Gurwinder Kaur	RS	IKGPTU Kapurthala
IKGPTU/CS/3529/13	Mr. Sahil Chaudhary	RS	Department of Food Science & Technology, IKGPTU, Kapurthala
IKGPTU/CS/3529/14	Dr. Rakesh Goyal	AP	IKGPTU, Kapurthala
IKGPTU/CS/3529/15	Kunal Thakur	RS	NIT, Jalandhar
IKGPTU/CS/3529/16	Matriey Sankalp	RS	NIT, Jalandhar
IKGPTU/CS	Dr. Baljinder Singh	AP	Department of Biotechnology, Panjab

Se

/3529/17			University, Chandigarh.
IKGPTU/CS /3529/18	Mr. Sandeep Kumar	RS	Lovely Professional University, Jalandhar
IKGPTU/CS /3529/19	Dr. Amoljeet Singh Gill	AP	Department of Mechanical Engineering, IKGPTU, Kapurthala
IKGPTU/CS /3529/20	Dr. Megha Goyal	AP	Department of Mathematical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/21	Dr. Nitika	AP	Department of Physical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/22	Dr. Amit Gupta	AP	IKGPTU, Kapurthala
IKGPTU/CS /3529/23	Mr. Vivek	RS	Department of Physical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/24	Dr. Vivek Talwar	AR	IKGPTU, Kapurthala
IKGPTU/CS /3529/25	Dr. SanjeebSutradhar	AP	Chemical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/26	Dr. Rashmi Sharma	AP	Chemical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/27	Mr. Abhishek Sharma	RS	IKGPTU, Kapurthala
IKGPTU/CS /3529/28	Mr. Gobind Kumar	RS	Chemical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/29	Ms. Bhanu Priya	RS	Chemical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/30	Ms. Neha Sharma	RS	Chemical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/31	Dr. Manoj Mittal	AP	Department of Mechanical Engineering, IKGPTU, Kapurthala
IKGPTU/CS /3529/32	Mr. Ravi Kumar Sah	RS	IKGPTU, Kapurthala
IKGPTU/CS /3529/33	Ms. Parul	RS	IKGPTU, Kapurthala
IKGPTU/CS /3529/34	Mr. Manjeet Singh	RS	IKGPTU, Kapurthala
IKGPTU/CS /3529/35	Dr. Naveen Sharma	AP	Department of Electrical Engineering, IKGPTU, Kapurthala
IKGPTU/CS /3529/36	Dr. Tarun Goyal	AP	Department of Mechanical Engineering, IKGPTU, Kapurthala
IKGPTU/CS /3529/37	Dr. Varinderjit Singh	AP	Department of Physical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/38	Dr. Maninder Kaur	AP	Department of Physical Sciences, IKGPTU, Kapurthala
IKGPTU/CS /3529/39	Parmjit Singh	RS	Department of Mechanical Engineering, IKGPTU, Kapurthala
IKGPTU/CS /3529/40	Dr. Amit Bansal	AP	Department of Mechanical Engineering, IKGPTU, Kapurthala
IKGPTUCS/	Dr. Reshu Sanan	AP	IKGPTU, Kapurthala

bc

3529/41			
IKGPTU/CS /3529/42	Dr. Roopa	AP	IKGPTU, Kapurthala
IKGPTU/CS /3529/43	Dr. Vandana Naithani	AP	IKGPTU, Kapurthala
IKGPTU/CS /3529/44	Dr. Chander Prakash	AP	IKGPTU, Kapurthala
IKGPTU/CS /3529/45	Dr. Gaurav Bhargava	Professor	IKGPTU, Kapurthala

B. The following experts have delivered the invited talks during AICTE and IKGPTU sponsored Faculty Development Programme on “Advancements in the Methodologies for the development of Synthetic Materials” (06.06.2022-11.06.2022).

Ref. No.	Name of the Expert	Designation	Date / Session
IKGPTU/CS /3529/B1	Dr Manoj Kumar , Guru Nanak Dev University, Amritsar	Professor	06.06.2022 / II & III
IKGPTU/CS /3529/B2	Dr Chander Parkash IKGPTU, Main Campus	Assistant Professor	06.06.2022 / IV
IKGPTU/CS /3529/B3	Dr Tejwant Singh Kang , GNDU, Amritsar	Associate Professor	07.06.2022 / I
IKGPTU/CS /3529/B4	Dr Ravi Chand Singh , GNDU, Amritsar	Professor	07.06.2022 / II
IKGPTU/CS /3529/B5	Dr Jujhar Singh Workshop at Centre for Invention, Innovation, Incubation and Training (CIIT), IKGPTU Kapurthala	Assistant Professor	07.06.2022 / III
IKGPTU/CS /3529/B6	Dr PK Sehajpal , Guru Nanak Dev University, Amritsar	Professor	08.06.2022 / I
IKGPTU/CS /3529/B7	Dr Amit Sarin , IKGPTU, Amritsar Campus	Professor	08.06.2022 / II
IKGPTU/CS /3529/B8	Dr Hitesh , IKGPTU, Main Campus, Kapurthala	Associate Professor	08.06.2022 / III
IKGPTU/CS /3529/B9	Dr Gaurav Bhargava , IKGPTU, Main Campus	Professor	08.06.2022 / IV
IKGPTU/CS /3529/B10	Dr Vikas Chawla , Dean (Academics) IKG PTU Kapurthala	Professor & Dean	09.06.2022 / I
IKGPTU/CS	Dr Susheel Mittal ,	Vice-Chancellor	09.06.2022 / II

[Handwritten signature]

/3529/B11	SardarBeant Singh state University, Gurdaspur		
IKGPTU/CS /3529/B12	Dr Sachin Kumar , Deputy Director S S NIRE, Kapurthala	Deputy Director	09.06.2022 / III
IKGPTU/CS /3529/B13	Dr Prabhpreet Singh , Guru Nanak Dev University, Amritsar	Assistant Professor	10.06.2022 / I & II
IKGPTU/CS /3529/B14	Dr Narinder Singh , IIT Ropar	Professor	10.06.2022 / III & IV
IKGPTU/CS /3529/B15	Dr Anirudh Pratap Singh , Desh Bhagat University, Mandi (Gobindgarh)	Dean	11.06.2022 / I

Rupesh Kumar

Rupesh Kumar
Programme Coordinator

Prof. (Dr.) Gaurav Bhargava

Prof. (Dr.) Gaurav Bhargava
Head, Chemical Sciences



I.K. Gujral Punjab Technical University, Kapurthala
Department of Chemical Sciences



AICTE and IKGPTU sponsored Faculty Development Programme on “**Advancements in the Methodologies for the development of Synthetic Materials**” (06.06.2022-11.06.2022)

Test

Total questions: 25
Marks: 25

Dated: 11.06.2022
Time allotted: 30 minutes

Name:

- 1 3D Printer is involved with which type of manufacturing:
 - (a) Additive Manufacturing
 - (b) Subtractive Manufacturing
 - (c) Both
 - (d) None of above

- 2 Which one of the followings is a radiative process
 - (a) Intersystem crossing
 - (b) Internal conversion
 - (c) Fluorescence
 - (d) All of the above

- 3 What can be done with Laser Cutting Machine
 - (a) Cutting
 - (b) Engraving
 - (c) Both
 - (d) None

- 4 Which year is celebrated as International year of Chemistry
 - (a) 2020
 - (b) 1990
 - (c) 2011
 - (d) 1854

- 5 Who has established the first pharmaceutical company i.e. Bengal Chemical and Pharmaceutical Works Ltd in India
 - (a) Ruchi Ram Sahni
 - (b) Har Gobind Khorana
 - (c) Sir PC Ray
 - (d) Venkatraman Ramakrishnan

- 6 Diels-Alder reaction is an example of
- (a) Cycloaddition reaction
 - (b) Electrocyclization reaction
 - (c) Sigmatropic reaction
 - (d) None of the above
- 7 Tuberculosis is caused by a type of
- (a) Virus
 - (b) Bacteria
 - (c) Fungus
 - (d) Algae
- 8 The full form of PCR is
- (a) Polymerase chain reaction
 - (b) Polymer chain reaction
 - (c) Polymerase chain reactant
 - (d) Polymer chain reactant
- 9 What is the structure of new education policy 2020?
- (a) 3+3+4+5
 - (b) 4+3+3+5
 - (c) 5+3+3+4
 - (d) 5+3+4+4
- 10 The new education policy is beneficial for students as it can
- (a) Bring more quality in education system
 - (b) Develop rational thinking among students
 - (c) Enhance the scientific temperament among students
 - (d) All of the above
- 11 Identify the genetic material from the following
- (a) DNA
 - (b) Carbohydrates
 - (c) Polymers
 - (d) Proteins
- 12 360° assessment in new education policy includes feedback from
- (a) Students only
 - (b) Students and parents only
 - (c) Industry and faculty only
 - (d) Students, alumni, faculty, parents, and industry
- 13 Ionic Liquids possess:
- (a) Low vapour pressure
 - (b) Low flammability
 - (c) Tunability
 - (d) All of the above

- 14 SAILs stands for
(a) Self-assembled ionic liquids
(b) Surface active ionic liquids
(c) Self-assisted ionic liquids
(d) Surface assisted ionic liquids
- 15 Which is a 2D material
(a) Graphite
(b) Graphene oxide
(c) Graphene
(d) Nano graphite powder
- 16 The function of a sensor is to _____.
(a) Detect events within specified environment
(b) Separate physical parameters
(c) Track and transfer data to computer processor
(d) Both a and c
- 17 Sensor effectiveness depends on _____ parameter.
(a) Sensitivity
(b) Radiation
(c) Restively
(d) All the above
- 18 A Sensor is a _____.
(a) Subsystem
(b) Machine
(c) Module
(d) All the above
- 19 Which of the following compounds doesn't fluoresce?
(a) Compound with multiple conjugated bonds
(b) Conjugation with electron donating group
(c) Polycyclic compounds
(d) Non planar compounds
- 20 Phosphorescence mainly results from
(a) Internal conversion
(b) Vibrational relaxation
(c) Intersystem crossing
(d) All of the above
- 21 Electron spin is reversed in
(a) Fluorescence
(b) Phosphorescence
(c) IR
(d) NMR

- 22 The application of color to the whole body of a textile material with some degree of fastness
- (a) Dyeing
 - (b) Printing
 - (c) Discharge style
 - (d) None
- 23 The part of the ship that always remains under the water
- (a) does not rust because it is salt water
 - (b) does not rust because it is cold water
 - (c) rusts faster because it is salt water
 - (d) rusts faster because it is cold water
- 24 The aim of NEP is to encourage gross enrolment ratio by 2035 to
- (a) 45%
 - (b) 25%
 - (c) 50%
 - (d) 55%
- 25 The NEP focuses on promotion of which Language
- (a) Russian
 - (b) French
 - (c) Chinese
 - (d) Regional

Signature

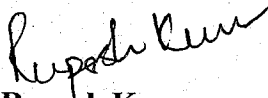
I.K. Gujral Punjab Technical University, Kapurthala
Department of Chemical Sciences


The following participants have participated in the AICTE and IKGPTU sponsored Faculty Development Programme on “**Advancements in the Methodologies for the development of Synthetic Materials**” (06.06.2022-11.06.2022). They got the following marks in the given set of questions:

S.No.	Name of the Participant	Designation	Marks Obtained (MM: 25)
1.	Dr. Praveen Kumar	AP	20
2.	Dr. Deepak Kumar Goyal	AP	19
3.	Dr. Shivani Vij	AP	24
4.	Dr. Ashok Kumar	Assoc. Prof.	21
5.	Ms. Mankomal	RS	18
6.	Ms. Kuljit Kaur	RS	18
7.	Dr. Kapil Sood	AP	21
8.	Dr. Sonika Jindal	AP	17
9.	Dr. Geeta Arora	AP	17
10.	Dr. Amandeep Singh	AP	16
11.	Dr. Barinderjit Singh	AP	21
12.	Ms. Gurwinder Kaur	RS	20
13.	Mr. Sahil Chaudhary	RS	18
14.	Dr. Rakesh Goyal	AP	22
15.	Kunal Thakur	RS	16
16.	Matriey Sankalp	RS	16
17.	Dr. Baljinder Singh	AP	19
18.	Mr. Sandeep Kumar	RS	18
19.	Dr. Amoljeet Singh Gill	AP	22
20.	Dr. Megha Goyal	AP	24
21.	Dr. Nitika	AP	24
22.	Dr. Amit Gupta	AP	22
23.	Mr. Vivek	RS	17
24.	Dr. Vivek Talwar	AR	18
25.	Dr. Sanjeeb Sutradhar	AP	20
26.	Dr. Rashmi Sharma	AP	24
27.	Mr. Abhishek Sharma	RS	18
28.	Mr. Gobind Kumar	RS	20
29.	Ms. Bhanu Priya	RS	18
30.	Ms. Neha Sharma	RS	18
31.	Dr. Manoj Mittal	AP	23
32.	Mr. Ravi Kumar Sah	RS	18
33.	Ms. Parul	RS	17
34.	Mr. Manjeet Singh	RS	19
35.	Dr. Naveen Sharma	AP	22
36.	Dr. Tarun Goyal	AP	21



37.	Dr. Varinderjit Singh	AP	20
38.	Dr. Maninder Kaur	AP	19
39.	Parmjit Singh	RS	19
40.	Dr. Amit Bansal	AP	22
41.	Dr. Reshu Sanan	AP	24
42.	Dr. Roopa	AP	23
43.	Dr. Vandana Naithani	AP	21
44.	Dr. Chander Prakash	AP	20
45.	Dr. Gaurav Bhargava	Prof	21


Rupesh Kumar
Programme Coordinator


Prof. (Dr.) Gaurav Bhargava
Head, Chemical Sciences

Department of Chemical Sciences
I.K. Gujral Punjab Technical University
Kapurthala



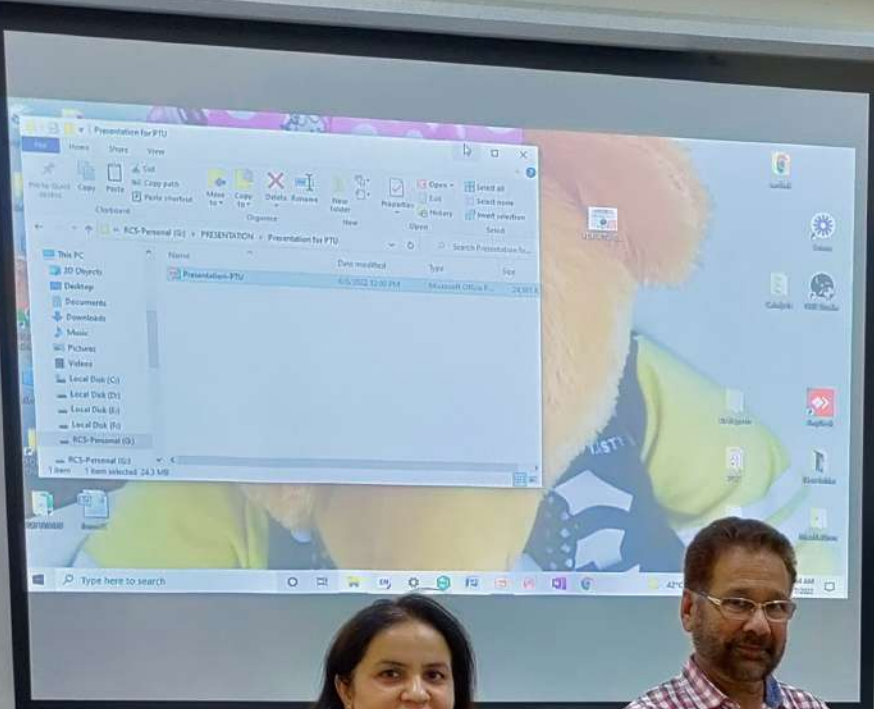
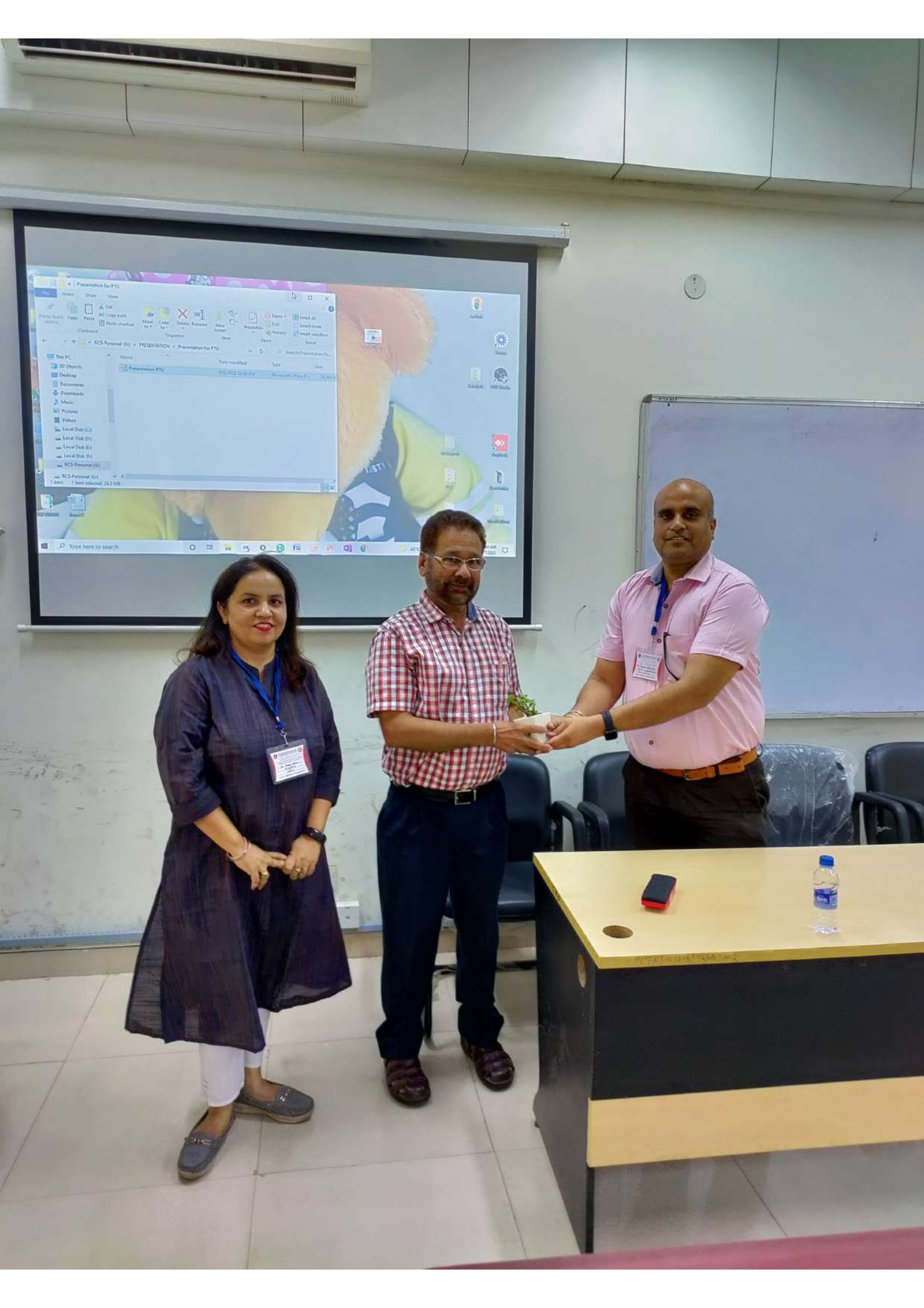





AICTE & IGPTU Sponsored
One-Week
Faculty Development Program (FDP)
on
**Advancements in the
Methodologies for the
development of
Synthetic Materials**
(06th - 11th June, 2022)

Organized by
Department of Chemical Sciences
Central Board of Technical Education
University of Technology
(GATEWAY TO KNOWLEDGE)
New Delhi, India

31 May 2022



A woman with long dark hair, wearing a purple kurta and white leggings, stands on the left. She is wearing a blue lanyard with a name tag that reads "Dr. Anshu K. Singh".

A man with glasses, wearing a red and white checkered shirt and dark trousers, stands in the center. He is holding a small potted plant with green leaves.

A man with a shaved head, wearing a pink short-sleeved shirt and dark trousers, stands on the right. He is presenting the potted plant to the man in the center. He is wearing a blue lanyard with a name tag.

























ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA

A State University Established Under Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997)

ਰਜਿਸਟਰਾਰ ਦਫ਼ਤਰ
OFFICE OF REGISTRAR

Ref. No. IKGPTU/REG/ 309

Dated : 24.05.2022

**Dr. Yadwinder Singh Brar (Professor) and
Dr. Naveen Sharma (Assistant professor)
Electrical Engg. Department,
IKGPTU Main Campus,
Jalandhar-Kapurthala Highway,
Kapurthala.**

Sub: Conduct of FDP on the topic "Current Trends in Green Energy & Power System".

Sir,

University has approved your proposal to conduct of FDP on the topic, "**Current Trends in Green Energy & Power System**" from **03.06.2022 to 08.06.2022**, subject the following conditions:

1. After completion of the FDP, the institute/Department has to submit the utilization certificate along with bills and report of the FDP to the University.
2. The Scheme & Guidelines for Faculty Development Programmers are attached herewith for your ready reference.
3. Please send the account details, PAN number and copy of Cancel Cheque at deanacad@ptu.ac.in by May 25th, 2022 so that initial grant may be released accordingly.

You are requested to conduct the FDP as per University rules and submit the report and documents as mentioned in Scheme & Guidelines, after completion of the program.


(Dr. S.K. Mishra)
Registrar

Copy to:

1. Secretary to Vice Chancellor: for kind information to Hon'ble Vice Chancellor.
2. Dean (Academics)

"Propelling Punjab to a Prosperous Knowledge Society"

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Jalandhar Kapurthala Highway, Kapurthala-144603.

Ph. : 01822-282521, 282501 Email : registrar@ptu.ac.in Website : www.ptu.ac.in

I. K. Gujral Punjab Technical University, Kapurthala-144603 (PB)

STATEMENT OF EXPENDITURE

Name of the Scheme under which Grant was sanctioned	AICTE – Technical University Joint Training Programme for Teachers
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Reference No. : IKGPTU/REG/309 dated 24.05.2022
 Title of the Programme : Current Trends in Green Energy & Power System
 Duration of the FDP : 03.06.2022 to 08.06.2022 (One Week)
 Name of the Coordinators : Dr Y. S Brar & Dr Naveen Kumar Sharma, EE IKGPTU Kapurthala
 Organized at : Department of Electrical Engineering, IKGPTU Kapurthala
 Number of Participants : 59
 AICTE Sanctioned Grant : 1,50,000/- (One Lakh Fifty Thousand Only)
 IKGPTU Sanctioned Grant : 1,50,000/- (One Lakh Fifty Thousand Only)

S. No.	Heads	Details of Expenditures	IKGPTU
10.	Coordinator Honorarium	Honorarium to FDP Coordinator	3000
11.	Boarding & Lodging of Participants	Hostel Rent (Boys Hostel)	4000
12.		Mess Charges (Boys Hostel)	2250
13.		Hostel Rent (Girls Hostel)	1000
14.		Mess Charges (Girls Hostel)	820
15.	Stationary & Working Expenses	Flex	4696
16.		Study Material Stationary (ID Cards, Writing Pads, L-Folder, Marker, Pens)	4921
17.		Bouquets for chief Guest	2000
18.		Refreshment (Tea, Snacks & Lunch)	55000
Total Utilization Funds			77687
Total Sanctioned Amount			150000
Balance Amount			72313

(2) *Naveen*
 Dr Naveen Kr Sharma
 Assistant Professor, EE
 Coordinator FDP
 (Name & Signature)

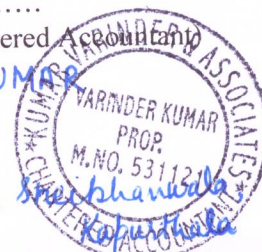
(2) *[Signature]*
 Dr Yadwinder Singh Brar
 Prof. & HoD (EE)
 (Name & Signature with Seal)
 Head
 Department of Electrical Engineering
 I.K. Gujral Punjab Technical University
 Kapurthala-144006

(3) *[Signature]*
 Dr Rajiv Chauhan
 AICTE Coordinator, IKGPTU
 (Name & Signature with Seal)
 Department of Civil Engineering
 IKG PTU Main Campus
 Kapurthala-144603

As per program
 (4) *[Signature]*
 Prof (Dr) Vikas Chawla
 Chief AICTE Coordinator-cum-
 Dean (Academic) IKGPTU
 (Name & Signature with Seal)
 I.K. Gujral Punjab Technical University
 Jalandhar-Kapurthala Highway, Kapurthala

(5) *[Signature]*
 (Name & Signature with Seal)
 Dr. Sukhbir Singh Walia
 Finance Officer
 IKG PTU Kapurthala

(6) *[Signature]*
 (Name & Signature of Chartered Accountant)
 Name: VARINDER KUMAR
 Membership: 531121
 Rubber Stamp:
 Full Address: HNO 316/8, *[Address]*
 Kapurthala





AICTE-IKGPTU Sponsored One-Week Faculty Development Programme (FDP)
“Current Trends in Green Energy & Power System”
(03rd – 08th June, 2022)

Department of Electrical Engineering,
IKG Punjab Technical University, Main Campus Kapurthala, Punjab



List of Participants

Sr. No	Name	Sr. No	Name
1.	Junesh Kumar	31.	Abhinav Sharma
2.	Harjit Singh	32.	Inderjeet Singh
3.	Dr. Akhil Gupta	33.	Ashwani Kumar
4.	Dr. Deepika Bhalla	34.	Giridhar Kumar Jha
5.	Avinash Verma	35.	Surjeet Singh
6.	Lakngam Angkang	36.	Rita Rani
7.	Vivek Sharma	37.	Naveen Dogra
8.	Dr. Satish Kansal	38.	Dr. Gagandeep Kaur
9.	Dr. Mohan Kashyap	39.	Akashdeep Singh
10.	Sunimerjit Kaur	40.	Shivani Mehta
11.	Preeti Rani	41.	Chintu Rza
12.	Gurjinder Singh	42.	Ankush Thakur
13.	Ved Parkash	43.	Viplove Rajpoot
14.	Sunny Vaish	44.	Nisha
15.	Dr. Ram Singh Sran	45.	Kamran Alam
16.	Dr. H. S. Dhaliwal	46.	Dr. Balkar Singh
17.	Dr. Mandeep Sharma	47.	Shishir Saklani
18.	Dr. Amandeep Kaur	48.	Dr. Rakesh Kumar
19.	Deven	49.	Dr. Sanjeev Yadav
20.	Mohd. Murtaja	50.	Dr. Sudhir Sharma
21.	Dr. Nagendra Kumar	51.	Baljit Singh
22.	Dr. Rajesh Kumar Narula	52.	Mohit Pathak
23.	Dr. Megha Goyal	53.	Vishal Sharma
24.	Gurpreet Singh	54.	Chetan Selwal
25.	Manjinder Singh	55.	Arvind Sharma
26.	Sarabjit Kaur	56.	Amit Kumar Dash
27.	Shivam	57.	Raj Kumar Mandal
28.	Bimal Kumar	58.	Chandan Kumar
29.	Kamal Singh Bisht	59.	Dr Neetika
30.	Vibhuti		

AICTE & IKGPTU Sponsored National Level One-week Faculty Development Program (FDP) on



Current Trends in Green Energy & Power System (03rd – 08th June, 2022)



**Organized by
Department of Electrical Engineering
I. K. Gujral Punjab Technical University,
Main Campus Kapurthala, Punjab, India
<https://ptu.ac.in>**

FDP Coordinators

Dr. Yadwinder Singh Brar
Dean (P&EP) Professor, EE
Email: braryadwinder@yahoo.co.in
Mob. No.: +91-9478098013

Dr. Naveen Kumar Sharma
Assistant Professor, EE
Email: naveen31.sharma@gmail.com
Mob. No.: +91-9882281525

IKGPTU MAIN CAMPUS KAPURTHALA

PTU was established by an Act of State Legislature on 16th January, 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I. K. Gujral Punjab Technical University by State Government in the honor to Late Sh. Inder Kumar Gujral, Former Prime Minister of India.

The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas. The University has undertaken the task of training students to help in the development of skilled manpower in this sector in the country in general and in the state in particular. With this goal in mind, the university is promoting a number of courses in different streams in regular as well as distance education programmes. At present University have 121 AICTE and 65 UGC institutes affiliated with it.

IKGPTU Main campus has a sprawling campus spread over an area of about 78 acres, and is located on the outskirts of Jalandhar at about 20 kms from the bus stand. IKGPTU ranked 96th in 2019 NIRF India ranking and 3rd in Punjab after IIT Ropar, TIET Patiala. The institute offers 4-year Bachelor Engineering Courses (B.Tech.) in five branches of Engineering, 5-year degree course in Architecture (B.Arch.), M.Tech. and Ph.D. programmes in various specializations.

INTRODUCTION AND FDP OBJECTIVES

Electric power plays an important role in economic development of any nation. A secure, reliable and economic operation of power systems is very much essential for industrialization. The present trend towards deregulation in power sector is forcing electric utilities to improve their efficiency and reduce cost whereas customers are becoming more sensitive to reliability and power quality. Competitive power market has changed the traditional mission and mandates of power utilities in complex ways that has caused large impacts on environmental, social, and political conditions in several countries worldwide. RES and technologies have tremendous potential to provide solutions to the long-standing energy problems being faced by consumers in all developing countries. This FDP has been designed to familiarize the researchers and engineers working in the field of competitive power systems and energy operation with the core concepts of economic dispatch, unit commitment and optimal power flow.

COURSE CONTENTS

- ❖ Competitive Power Market
- ❖ Power System Operation, Economics
- ❖ Grid Integration of RES: Key Issues, Challenges and Solution
- ❖ Economic Dispatch of Electric Power System
- ❖ Electricity Market Operation
- ❖ AI & IoT Application in Power System
- ❖ Steady State Operation of Power System
- ❖ Energy Management, Demand Side Management Distributed generation
- ❖ Simulation of Power System & RES
- ❖ Power Quality & Harmonics Analysis
- ❖ Energy Scheduling & Forecasting Techniques
- ❖ Micro Grid, Smart Distribution System
- ❖ Power Flow and OPF and their programming
- ❖ Power Trading, Market Regulation and Policies
- ❖ Energy Storage and Electric Vehicle

METHODOLOGY

The one-week programme will be judiciously utilized by integrating theory classes, laboratory sessions, case studies and audio-visual presentations. Besides the institute faculty, experts will be invited from various esteemed institutions/ R & D organizations. This FDP will also be useful to various energy regulatory bodies, leading power project managers, engineers, production managers, academia, technical managers, plant superintendents, operators and maintenance personnel, and private power consumer companies.

TARGET GROUP

Teachers from recognized engineering colleges/ Institutions; practicing engineers from public/ private organizations with minimum qualification of Bachelor's Degree in any branch of Engineering/ or its equivalent M. Tech. and Ph.D. Research Scholars are eligible for registration. The number of participants is limited and will be selected on first come, first serve basis. The interested participants need to get themselves sponsored from their HOD/Principal/Head of Institution and send their request on prescribed performa.

HOW TO APPLY:

- ❖ Last date of receiving applications for participation in this FDP is **May 31st, 2022**.
- ❖ Information regarding selection will be displayed on institute website or selected candidates may also be informed by email.
- ❖ Send the filed registration form (scan copy) through email (**naveen31.sharma@gmail.com**) as attachment & submit the original hard copy at the time of first day in FDP registration.

IMPORTANT INSTRUCTIONS

There will be a **No-Registration Fee** any for sponsored participants from academic institutions and industry. Interested faculty from AICTE recognized Technical/ Govt. Institutes & Personnel from Industry can apply take print of application form. Seats are limited and applicants will be selected on first come, first serve basis.

No TA/DA will be given to any participant. Suitable arrangements for free boarding and lodging of participants will be made at students' hostel.

ORGANIZING COMMITTEE

Chief Patron

Sh. Rahul Bhandari, IAS
Vice-Chancellor, IKGPTU

Patron

Dr. S.K. Mishra
Registrar, IKGPTU

Chairman

Dr. Vikas Chawla
Dean Academics, IKGPTU

Co-Chairman(s)

Dr Rajiv Chauhan
Coordinator AICTE

Dr Satvir Singh
Deputy Dean (Engineering)

Dr Gagandeep Kaur
Head EE

Coordinators

Dr. Yadwinder Singh Brar
Dean (P&EP) & Professor, EE

Dr. Naveen Kumar Sharma
Assistant Professor, EE

REGISTRATION FORM

One-week Faculty Development Program

on

Current Trends in Green Energy & Power System (03rd – 08th June, 2022)

Organized by

Department of Electrical Engineering, I. K. Gujral Punjab Technical University,
Main Campus Kapurthala, Punjab, India

1. Name of the Candidate.....
Designation.....
Email.....
Office Tel No./Mobile No.....
2. Name of the Institution and Department:
.....
.....
3. Address for Correspondence:
.....
.....
4. Educational Qualification.....
5. Experiences (a) Teaching.....
(b) Industrial or others.....
6. Accommodation Assistance Required (Yes/No)

Place: (.....)

Date: Signature of the Candidate

I hereby Dr./Mr./Ms.....to participate in the FDP on “Current Trends in Green Energy & Power System”, during 03-08 June, 2022 being held at I.K. Gujral Punjab Technical University, Kapurthala, Punjab, India. During the period of entire program. He/she would be on the official duty at IKGPTU Punjab.

Signature with Date & Seal
Sponsoring Authority (HOD/Principal/ Director)

Note: 1. Photocopied/typed Reg. Form can be used or may be downloaded from institute website.

2. Send the filed registration form (scan copy) through email as attachment & submit the original hard copy at the time of FDP registration


AIUTE & INGPTE Sponsored National Level
One-week Faculty Development Program (FDP)
on
**Current Trends in
Green Energy &
Power System**
(June 3-8, 2022)



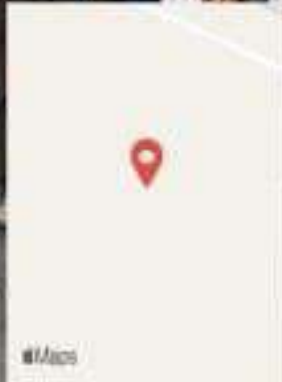
Organized by
Department of Electrical Engineering
27 Floor, Academic Block - 2
I. K. Gujral Punjab Technical University,
Main Campus, Kapurthala, (Punjab) India



AIUTE & INGPTE Sponsored National Level
One-week Faculty Development Program (FDP)
on
**Current Trends in
Green Energy &
Power System**
(June 3-8, 2022)



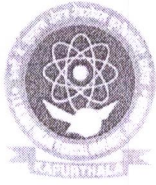
Organized by
Department of Electrical Engineering
27 Floor, Academic Block - 2
I. K. Gujral Punjab Technical University,
Main Campus, Kapurthala, (Punjab) India



Kapurthala, PB, India
NH 703A, Kapurthala, Kapurthala,
Lat 31.352411, Long 75.460316
06/03/2022 12:27 PM

GPS Map Camera

AIUTE



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
A State University Established Under Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997)

ਰਜਿਸਟਰਾਰ ਦਫਤਰ
OFFICE OF REGISTRAR

Ref. No. IKGPTU/REG/ 323

Dated : 30-05-2022

Dr. Gagandeep Kaur (Associate Professor) and
Dr. Akhil Gupta (Assistant Professor),
Department of Electrical Engg.,
IKGPTU Main Campus,
Jalandhar-Kapurthala Highway,
Kapurthala.

Sub: Conduct of FDP on the Topic "Application of Computing Techniques in Sustainable Energy Systems-(ACTSES)"-Modification.

Sir/Madam,

In partial modification letter No. IKGPTU/REG/310 dated 24-05-2021 and University has approved your proposal to conduct of FDP on the topic, "Application of Computing Techniques in Sustainable Energy Systems-(ACTSES)" from 15.06.2022 to 20.06.2022, subject the following conditions:

1. After completion of the FDP, the institute/Department has to submit the utilization certificate along with bills and report of the FDP to the University.
2. The Scheme & Guidelines for Faculty Development Programmers are attached herewith for your ready reference.
3. Please send the account details, PAN number and copy of Cancel Cheque at deanacad@ptu.ac.in by 31st May, 2022 so that initial grant may be released accordingly.

You are requested to conduct the FDP as per University rules and submit the report and documents as mentioned in Scheme & Guidelines, after completion of the program.

(Dr. S.K. Mishra)
Registrar

Copy to:

1. Secretary to Vice Chancellor: For kind information to Hon'ble Vice Chancellor.
2. Dean (Academics)

"Propelling Punjab to a prosperous Knowledge Society"

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

I. K. Gujral Punjab Technical University, Kapurthala (PB)

FUNDS UTILIZATION CERTIFICATE (2022-23)

Name of the Scheme under which Grant was sanctioned	AICTE – Technical University Joint Training Programme for Teachers
---	--

Reference No.: IKGPTU/REG/323 dated 30.05.2022

Title of the Programme: Applications of Computing Techniques in Sustainable Energy Systems- (ACTSES)

Duration of the FDP: 15.06.2022 to 20.06.2022 (6 days-One Week)

Name of the Coordinators: Dr. Akhil Gupta, EE Department, IKGPTU Main campus, Kapurthala-144603, Punjab, and Dr. Gagandeep Kaur

Organized at: Department of Electrical Engineering, IKGPTU Main campus, Kapurthala-144603

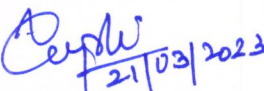
Number of Participants: 55

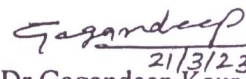
AICTE Sanctioned Grant: 1,50,000/- (One Lakh Fifty Thousand Only)

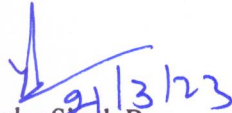
IKGPTU Sanctioned Grant: 1,50,000/- (One Lakh Fifty Thousand Only)

S. No.	Latter No. and date	Amount	Statements
(a)	IKGPTU/REG/310 dated 20.06.2022 & IKGPTU/REG/323 dated 30.05.2022	Rs. 1,50,000/-	Certified that out of Rs. 1,50,000/- of grants-in-aid sanctioned during the year 2022-23 in favour of Registrar, IKGPTU Kapurthala under this University Letter Ref. No.: IKGPTU/REG/323 dated 30.05.2022
(b)	Grant received	Rs. 90,000/-	A sum of Rs. 90,000/- was received at IKGPTU Kapurthala as advance.
(c)	Utilized Grant	Rs. 41,952/-	Rs. 41,952/- has been utilized for the purpose of Faculty Development Programme for which it was sanctioned.
(d)	Unutilized Grant	Rs. 48,048/-	Rs. 48,048/- remained un-utilized that has been surrendered on 06.07.2022 to IKGPTU Kapurthala. (Acc. No. 50100235790245; IFSC: HDFC0003402) to refund to All India Council for Technical Education)


Certified that I have satisfied my-self that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the propose for which it was sanctioned.



21/03/2023
Dr Akhil Gupta
Assistant Professor, EE
Coordinator FDP
(Name & Signature)


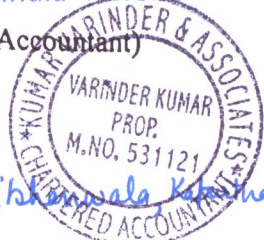

21/3/23
Dr Gagandeep Kaur
Coordinator FDP
Faculty
IKGPTU
(Name & Signature with Seal)


21/3/23
Dr Yadwinder Singh Brar
Prof. & HoD (EE)
(Name & Signature with Seal)
Head
Department of Electrical Engineering
I.K. Gujral Punjab Technical Unive.
Kapurthala-144006 144603


21/3/23
Dr Rajiv Chauhan
AICTE Coordinator, IKGPTU
(Name & Signature with Seal)
Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-144603


22/3/23
Prof (Dr) Vikas Chawla
Chief AICTE Coordinator-cum-
Dean Academic, IKGPTU
(Name & Signature) with Seal
I.K. Gujral Punjab Technical University
Jalandhar-Kapurthala Highway, Kapurthala


(Name & Signature with Seal)
Dr. Sukhbir Singh Walia
Finance Officer
IKG PTU Kapurthala
To the


(Name & Signature of Chartered Accountant)
Name: VARINDER KUMAR
Membership: 531121
Rubber Stamp:
Full Address: HNo 316/8, Sheikh Gurdiala, Kapurthala


Department of Electrical Engineering
IK Gujral Punjab Technical University Main campus Kapurthala
AICTE New Delhi and IKGPTU sponsored 1-week National level faculty development programme
Topic of FDP: Applications of Computing Techniques in Sustainable Energy Systems -(ACTSES) from June 15-20, 2022

List of Registered Candidates

Total candidates: 55

Sr. No	Name of the Candidate
1.	Ankita
2.	Akansha
3.	Kiran Rani
4.	Jugraj Singh
5.	Arghya Datta
6.	Reetima Rana
7.	Rakesh Godara
8.	Akashdeep Singh
9.	Gajera Bhautik Vinubhai
10.	Shelly
11.	Sahil Attri
12.	Harvinder Singh
13.	Dr. Rakesh Kumar
14.	Sunny Vig
15.	Vijay Kumar
16.	Er. Kiranjit Kaur
17.	Gurwinder Kaur
18.	Avtar Singh
19.	Tarun Goyal
20.	Harsh Kuamr
21.	Arun Sharma
22.	Avinash Verma
23.	Vivek Sharma
24.	Lakngam Angkang
25.	Jatinder Garg
26.	Satish Kansal
27.	Dr. Raman Kumar
28.	Naveen Kumar Sharma
29.	Barinderjit Singh
30.	Daman Sagar
31.	Harmeet Kumar
32.	Mohd. Murtaja
33.	Simple Sharma
34.	Amit Bansal
35.	Surjeet Singh
36.	Naveen Dogra
37.	Deepika Bhalla
38.	Pankaj Maurya
39.	Amandeep Singh Bansal
40.	Gurpreet Singh

41.	Dinesh Gupta
42.	Bhavna
43.	Manpreet kaur
44.	Vikas Goyal
45.	Deepak Kumar Goyal
46.	Simerpreet Singh
47.	Divesh Kumar
48.	Gurjinder Singh
49.	Rajesh Kumar Narula
50.	Dr. Amoljit Singh Gill
51.	Manoj Mittal
52.	Rajwinder Singh
53.	Rita Rani
54.	Sunny vaish
55.	Sanjiv Kumar Chauhan

FDP Coordinator

FDP Coordinator & Head-EE



One-week

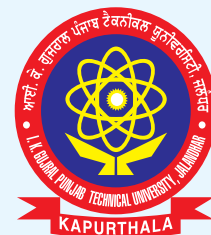
**National Level Faculty Development Programme (FDP)
(AICTE & IKGPTU Sponsored)**

on

**Applications of Computing Techniques in
Sustainable Energy Systems - (ACTSES)**

(June 15-20, 2022)

FDP Coordinators



Dr. Gagandeep Kaur

Associate Professor & HOD, EE

Email: gaganee@ptu.ac.in

Mob. No.: +91-9478098118

Dr. Akhil Gupta

Assistant Professor, EE

Email: akhilgupta1977@gmail.com

Mob. No.: +91-9465884873, 9855041124

Organized by

Department of Electrical Engineering

I. K. Gujral Punjab Technical University- Main Campus

Jalandhar - Kapurthala Highway, Distt. Kapurthala-144603, Punjab, India

<https://ptu.ac.in>

ABOUT THE UNIVERSITY

Punjab Technical University was established by an Act of State Legislature on 16th January, 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I. K. Gujral Punjab Technical University (IKGPTU) by State Government in the honor to Late Sh. Inder Kumar Gujral, Former Prime Minister of India.

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ABOUT THE DEPARTMENT

The Department was established in year 2014 in IK Gujral Punjab Technical University Main campus which currently offers **Undergraduate, Postgraduate and PhD programmes in Electrical Engineering**. The department boasts well-equipped laboratories with state-of-the-art technology which provides opportunities to students for hands on experience, thereby helping them in understanding the fundamental aspects. Spacious air-conditioned classrooms and world-class infrastructure caters for an environment where students can learn independently as well as in a team. Our outcome-based curriculum and experiential learning opportunities meet the emerging challenges that graduates face in the field. The department aims to create globally competent engineers with a professional outlook, top notch researchers and highly inspired techno-entrepreneurs.

OVER VIEW OF THE PROGRAMME

The programme is sponsored by AICTE, New Delhi & IKGPTU, Kapurthala. It is aimed to discuss the recent advancements of computing techniques taking place on the sustainable energy technologies and systems. The major topics to be covered in this programme are (i) Distribution systems, with AC/DC microgrids and smart grids (ii) Renewable energy systems (iii) Power electronics in renewable energy systems (iv) Solar photovoltaic and thermal energy (v) Biomass energy (vi) Wind energy (vii) Grid connected renewable energy systems, (viii) Energy storage and electric vehicles (viii) Power quality analysis using various simulation tools, and (ix) Innovative and future research directions on renewable energy technologies. Experts from the different reputed academic institutes, research laboratories and industries will be invited to deliver the various aspects of the programme. Apart from the invited experts, faculties of IKGPTU having expertise in the different areas related to the programme will also deliver lectures. The certificates will be awarded on the successful completion of the programme.

MAJOR OBJECTIVES

The major objective of this faculty development programme is to impart knowledge about the latest computing techniques for sustainable energy systems to the community of teaching and research. It also aims to enrich the participants with advances in renewable energy technologies, recent advances in power sector and smart grids.

ELIGIBILITY

The program is open for the faculty members, Post Graduate students & Ph.D scholars of Engineering, Diploma, & R&D labs from AICTE/respective/technical board/government approved technical institutions. This FDP is also open for participation from various energy regulatory bodies, leading power project managers, engineers, production managers, academia, technical managers, plant superintendents, operators and maintenance personnel, and private power consumer companies.

IMPORTANT DATES

Last date of receipt of duly filled registration form: June 12, 2022

Intimation of selection of participants: June 13, 2022

Commencement of the programme: June 15, 2022

METHODOLOGY

The one-week programme will be judiciously utilized by integrating theory classes, laboratory sessions, case studies and audio-visual presentations. Besides the institute faculty, experts will be invited from various esteemed institutions/R & D organizations. This FDP will be useful to various energy regulatory bodies, leading power project managers, engineers, production managers, academia, technical managers, plant superintendents, operators and maintenance personnel, and private power consumer companies.

HOW TO APPLY

- ❖ Send the duly filled registration form (scanned copy) through email: akhilgupta1977@gmail.com as attachment. Submit the original hard copy at the time of first day in FDP registration.
- ❖ Last date of receiving registration form for participation in this FDP is **June 12, 2022**.
- ❖ Selected candidates will be informed by email/phone.

IMPORTANT INSTRUCTIONS

There will be No-Registration fees for any participants from academic institutions, industry & research organizations. The interested participants from these organizations can fill the attached registration form & send its scanned copy by email in advance. Seats are limited and applicants will be selected on first come, first serve basis.

No TA/DA will be given to any participant. Suitable arrangements for free boarding and lodging of participants (On request basis) will be made at students' hostel in the university campus.

ORGANIZING COMMITTEE

Chief Patron

Sh. Rahul Bhandari, IAS
Vice-Chancellor, IKGPTU

Patron

Dr. S.K. Mishra
Registrar, IKGPTU

Chairman

Dr. Vikas Chawla
Dean Academics, IKGPTU

Dr. Rajiv Chauhan
Coordinator AICTE

Co-Chairman(s)

Dr. Satvir Singh
Deputy Dean (Engineering)

Dr. Yadwinder Singh Brar
Professor, EE

Internal Committee

Dr. Yadwinder Singh Brar
Professor, EE

Dr. Gagandeep Kaur
Associate Professor, EE

Dr. Deepika Bhalla
Assistant Professor, EE

Dr. Naveen Kumar Sharma
Assistant Professor, EE

Dr. Akhil Gupta
Assistant Professor, EE

REGISTRATION FORM

One-Week National Level Faculty Development Program (AICTE & IKGPTU Sponsored)



on Applications of Computing Techniques in Sustainable Energy Systems - (ACTSES) (June 15 - 20, 2022)

Organized by

Department of Electrical Engineering, I. K. Gujral Punjab Technical University-Main Campus,
Jalandhar - Kapurthala Highway, Distt. Kapurthala, Punjab, India.

Name of the Candidate (Dr./Mr./Ms.).....

Designation.....

Name of the Department.....

Email ID.....

Office Tel No./Mobile No.....

Name of the Institution :.....

Address for Correspondence:

Highest Academic Qualification.....

Experiences (If applicable) (a) Teaching..... (b) Industrial or others.....

Research Areas/Specialization.....

Male/Female.....

Accommodation Assistance Required (Yes/No) :.....
(.....)

Place:

Date:

Recommendation

Complete Signature of the Candidate

I hereby permit Dr./Mr./Ms..... an employee of our institute to participate in the FDP on Applications of Computing Techniques in Sustainable Energy Systems (ACTSES) (June 15- 20, 2022) being held at I.K. Gujral Punjab Technical University, Main Campus, Kapurthala, Punjab. During this period, he/she would be on the official duty.

Complete Signature with Date & Seal
Sponsoring Authority
(HOD/Principal/Director)

Note: 1. Photocopied/typed Reg. Form can be used or may be downloaded from institute website.

2. Send the filed registration form (scan copy) through email as attachment & submit the original hard copy at the time of FDP registration.

Contacts

Dr. Gagandeep Kaur, Email: gaganee@ptu.ac.in Mob. No.: +91-94780-98118

Dr. Akhil Gupta, Email: akhilgupta1977@gmail.com Mob. No.: +91-94658-84873, 98550-41124



One-Week
National Level Faculty Development Programme (NLFDP)
(ACTE & JGPTU Sponsored)

or

Applications of
Computing Techniques in
Sustainable Energy System
(ACTSES)
(June 15-20, 2022)

Organized by
Department of Electrical Engineering,
I. K. Gujral Punjab Technical University,
Main Campus, Ashokpur - Kapurthala Rd,
Distt. Kapurthala-146001, Punjab, India
http://www.ikgptu.ac.in

One-Week
National Level Faculty Development Programme (NLFDP)
(ACTE & JGPTU Sponsored)


or

Applications of
Computing Techniques in
Sustainable Energy System
(ACTSES)
(June 15-20, 2022)

Organized by
Department of Electrical Engineering,
I. K. Gujral Punjab Technical University,
Main Campus, Ashokpur - Kapurthala Rd,
Distt. Kapurthala-146001, Punjab, India
http://www.ikgptu.ac.in



Rasulpur Brahmanan, Punjab, India
9F36+28G, I.K Gujral Punjab Technical University, Rasulpur Brahmanan,
Punjab 144002, India
Lat 31.352701°
Long 75.460771°
15/06/22 11:36 AM

 GPS Map Camera

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING &
RESEARCH, SECTOR-26, CHANDIGARH**

In association with

**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
AMRITSAR CAMPUS**

Jointly organizes

Two Days Workshop On

RENEWABLE ENERGY: MATERIALS AND DEVICES

3 - 4 February 2022

Coordinators

Dr. B C Choudhary
Professor
Applied Science Department,
NITTTR, Sector-26, Chandigarh

Dr. Amit Sarin
Professor
I.K. Gujral Punjab Technical
University, Amritsar Campus

Coordinating Team

Dr. Pankaj Sharma, Professor
Dr. Ashok Kumar, Asso. Professor,
Dr. Vipul Sharma, Asstt. Professor

About This Workshop

With the increasing depletion of energy and growth in climate change, developing renewable energy has become the central theme of world energy development. New energy materials and devices are the keys to implementing the transformation and utilization of renewable energy technologies. This two-day workshop will focus on the research and development of a new generation of high-performance energy materials, technologies and devices.

Resource Persons

The sessions will be engaged by eminent speakers of National and International repute.

Eligibility

Faculty from technical institutions approved by AICTE/ MoE, Govt. of India.



There is no Registration Fee for attending this Workshop.

+91- 9417521382
+91- 9872998760

bcc1962@nitttrchd.ac.in
amitsarin@ptu.ac.in


<http://www.nitttrchd.ac.in>
<https://amritsar.ptu.ac.in/>

I.K. Gujral Punjab Technical
University
Amritsar Campus
Near G.P. College, Ferozpur Road,
Chheharta, Amritsar-Punjab-143105
Ph. 0183-2450034
E-mail: campus.amritsar@ptu.ac.in


About IKGPTU Amritsar Campus

IKGPTU Amritsar Campus has been established in 2014 to provide Quality Technical Education especially to students from rural belt belonging to weaker sections of society and to people of all sections in general. The main focus is to produce Quality Engineers according to the needs of Industry at State, National and International levels. IKGPTU Amritsar Campus has prime location on G.T Road, Amritsar near Guru Nanak Dev University.

About NITTTR Chandigarh

National Institute of Technical Teachers Training and Research (Formerly TTTI), Chandigarh is one of the four national institutes established by the Government of India in 1967 for the development of technical education in the country. The institute offers a wide range of Short Term Courses for faculty and staff of technical institutions. The institute also offers Ph.D. and Master's Degree programmes in six disciplines on regular and part-time basis. The institute is situated in a well-developed campus in Sector 26, Chandigarh. The institute is about 12 km from airport, 5 km from Railway Station, 5 km from Inter State Bus Terminus, Sector 17 & 8 km from Inter State Bus Terminus, Sector 43.



NOTE

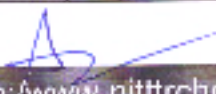
- There is no Registration Fee for attending this Workshop.
- Workshop will be conducted through ONLINE MODE
- Prior registration is compulsory to attend the workshop.



Link for Registration: https://docs.google.com/forms/d/e/1FAIpQLSe9Q4rO4rLuioPpUHqMD0OQZVkt-ZBbHynhcRrEeLh-GG3s1A/viewform?usp=sf_link

+91- 9417521382
+91- 9872998760

bcc1962@nitttrchd.ac.in
✉ amitsarin@ptu.ac.in


<http://www.nitttrchd.ac.in>
<https://alumni.amitsar.ptu.ac.in/>

Amritsar Campus
Near Cipat College, Polytechnic Road,
Chheharta, Amritsar-Punjab-143105
Ph. 0183-2450034
E-mail: campus.amitsar@ptu.ac.in



Two Days Workshop on

Renewable Energy: Materials and Devices



(03 -04 February 2022) OPlan: WS-13

TIME SCHEDULE

Day and Date	09.30-10.00AM	10.00 – 11.30AM	11.45-1.15 PM	2.30 - 4.30 PM
Thursday 03.02.2022	Inauguration (Dr. Pankaj Sharma/Dr. Amit Sarin)	Solar Energy: Photovoltaic and other Solar Technologies (Dr. Ashok Kumar, NITTTR, Chandigarh)	Nuclear Energy: An Ultimate Solution for Energy Crisis (Dr. B C Choudhary, NITTTR, Chandigarh)	Hydro Power Generation: Present Scenario and Control Requirements (Dr. Umesh C Rathore, GHEC, Bilaspur, HP)
Day and Date	09.30 – 11.00AM	LUNCH BREAK		2.30 – 4.00PM
Friday 04.02.2022	Wind Power Technology and its benefits for India (Dr. Joshua Earnest, Former Professor, NITTTR, Bhopal)	Storage Battery in SPV System (Dr. Gaurav Dwivedi, Energy Centre, Maulana Azad National Institute of Technology, Bhopal)	Bioenergy Generation from lignocellulosic biomass (Dr. Sachin Kumar, Deputy Director, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala	Feedback & Valediction (Dr. BCC/ Dr. AS/ Dr. PS)

(Dr. Amit Sarin)
Professor & Course Coordinator

(Dr. BC Choudhary)
Professor & Course Coordinator

I.K. Gujral Punjab Technical University
Amritsar Campus
Near Pipet College, Polytechnic Road,
Chandigarh, Amritsar-Punjab-143105
E-mail: campus.amritsar@ptu.ac.in

Workshop on Renewable Energy: Materials and Devices (W-13)

03-04 February 2022

For Certificate purpose

Sr. No	Name of Participant	Designation	Institute Name	Day 1		Day 2	
				S1	S2	S1	S2
1.	G. DINESHKUMAR	Assistant Professor (EEE)	Muthayammal Engineering College, Rasipuram, Namakkal-637408	P	P	P	P
2.	AMIT BANSAL	Lecturer (Mech. Engg.)	Government Women Polytechnic College, BIKANER	P	P	P	P
3.	ANKIT SATI	Lecturer (Agriculture)	Roorkee College, Roorkee, Uttarakhand	P	P	P	P
4.	Dr. A. SUDARSHAN REDDY		Sri Venkateswara College of Engineering and Technology, Chittoor.	P	A	P	P
5.	KAMAL SOLANKI	Assistant Professor (ET & T)	Rungta College of Engineering and Technology, Bhilai, Chhattisgarh	P	A	P	P
6.	NAVDEEP SINGH	Assistant Professor (EE)	MMMUT, Gorakhpur	P	P	P	P
7.	ASHWANI KUMAR SONI	Sr. Scientist, (REE)	College of Agricultural Engineering and Technology, PAU, Ludhiana	P	P	P	P
8.	PARAMANAND SHARMA	Assistant Professor (ECE)	KIET Group of institutions, 13 KM Stone, Delhi-Meerut Road, NH-58, Ghaziabad, U.P. - 201206	P	P	P	P
9.	SMIT YADAV	Lecturer, Applied science	Govt. Polytechnic Lisana Rewari	P	A	P	P
10.	NIDHI AGARWAL	Assistant professor, IT	KIET group of institutions, delhi ncr ghaziabad	P	P	P	P
11.	PREETI	Lecturer (Applied science)	Government Polytechnic Lisana(Rewari)	P	P	P	P
12.	PAWAN KUMAR	Assistant professor (CSE)	Guru Jambheshwar University of Science & Technology, Hisar, Haryana	P	A	P	P
13.	LALIT YADAV	Assistant Professor (Mech. Engg.)	Sir Padampat Singhania University, Udaipur	P	A	P	P
14.	RAJESH KUMAR	Assistant Professor (Mech. Engg.)	Chitkara University	P	P	P	P
15.	MUKHESHWAR YADAV	Assistant Professor (Mech. Engg.)	Chitkara University, Punjab	P	P	P	P
16.	Dr. SUKH DEV DOGRA	HOD (o) Applied Sciences	Chandigarh College of Engineering and Technology (Diploma Wing), Sector-26, CHANDIGARH.	P	P	P	P
17.	JYOTI SINGH	Lecturer, Applied Science	Government Polytechnic Education Society, Lisana Rewari.	P	P	P	P
18.	SUSANTA KUMAR TRIPATHY	Assistant Professor (ECE)	National Institute of Technology, Silchar, India	P	A	P	P

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19.	VARUN	Lecturer (I & C Engg.)	Government Polytechnic Kangra, HP	P	P	P	P
20.	Dr. AMIT GUPTA	Professor (ECE)	Narasaraopeta Engineering College	P	P	P	P
21.	VIKASH SAWAN	Assistant Professor & CSE	Medi-Caps University, Indore	P	P	P	P
22.	B.SAI VENKATA KRISHNA	Assistant Professor (Mech. Engg.)	Megha Institute of Engineering and Technology for Women, Medchal, Telangana-501301	P	P	P	P
23.	PRADYUMNA YAMBAR	Assistant professor (EEE)	MIEW, Telangana	P	A	P	P
24.	DONTHIREDDY RAJA SHEKAR REDDY	Assistant Professor (Civil)	Megha Institute of engineering and technology for women, Telangana	A	P	P	P
25.	RAHUL KANYAN	Technical Assistance	National Institute of Solar Energy, Gurugram	P	P	P	P
26.	K RAJU	Assistant professor (ECE)	Megha Institute Of Engineering And Technology For Women, Telangana	P	P	P	P
27.	Dr. MEETU SINGH	Assistant Professor (Physics)	S.R. Govt. College for Women, Amritsar	P	P	P	P
28.	UPMA	Assistant Professor (Physics)	Global Group of Institutes, Amritsar	P	P	P	P
29.	PUSHKAR SINGH	Lecturer, Mec. Engg.	Government Polytechnic Kenaura Sultanpur, Sultanpur, Uttar Pradesh	P	P	P	P
30.	NARINDER ARORA	Assistant Professor, Physics	DAV College, Amritsar	P	Ab	P	P
31.	Dr. KONARK SHARMA	Assistant Professor (Eltx/Robotics)	Shri Vishwakarma Skill University Gurugram, Haryana	P	P	P	P
32.	POOJA VERMA	Lecturer	Government Polytechnic College, Uttawar (Palwal)	P	P	P	P
33.	KOMAL MOHAN GARSE	Assistant Professor (Mech. Engg.)	Sinhgad College of Engineering, Pune	P	P	P	P
34.	Dr. AMIT KUMAR	Assistant Professor	Dept. of Agriculture, Swami Vivekanand Subharti University, Meerut	A	P	P	P
35.	MUSTANSIR NIZAM	Laboratory Technician (EE Dept.)	BGSBU University Rajouri, Jammu & Kashmir	P	P	P	P
36.	PRAMOD KUMAR KAUSHAL	Assistant Professor, (EE Engg.)	Subharti Institute of Technology and Engineering, Meerut	P	P	P	P
37.	PANKAJ KUMAR GAUTAM	Assistant professor (EEE)	Subharti Institute of Technology and Engineering, Meerut	P	P	P	P
38.	Dr. SAVITA	Assistant professor (App. Sc.)	University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra	P	P	P	P
39.	SUNEET SHUKLA	Head (Comp. Sc. & Design)	IMS Engineering College, Aadhyaत्मik Nagar, Ghaziabad.	P	P	P	P
40.	AMRENDRA KUMAR SINGH	Assistant Professor (Civil Engg.)	Swami Vivekanand Subharti University, Meerut	P	P	P	P
41.	ABHINAV SINGH	Assistant Professor	Swami Vivekanand Subharti University, Meerut	P	P	P	P
42.	ABHISHK TIWARI	Assistant Professor (Civil Engg.)	Subharti Institute of Technology and Engineering, Meerut	P	P	P	P
43.	MAYANKESHWAR SINGH	Assistant Professor (Civil Engg.)	Subharti Institute of technology and engineering, Meerut	P	P	P	P

44.	GURU SIVAK KESHRWANI	Assistant Professor.	Subharti Institute of Technology & Engineering, Meerut.	P	P	P	P	A
45.	PEER MOHD FAZIL	Assistant Professor (Civil Engrg.)	Subharti Institute of Technology and Engineering, Meerut.	P	P	P	P	P
46.	SUVEG MOUDGIL	Associate Professor (IT)	IMS Engineering college, Ghaziabad	P	P	P	P	P
47.	RAVI AGARWAL	Assistant Professor (EEE)	Subharti Institute of Technology & Engineering, Swami Vivekanand Subharti University, Meerut.	P	P	P	P	P
48.	T Ramachandran	Assistant professor (EEE)	Subharti Institute of Technology and Engineering, Swami Vivekanand Subharti University, Meerut	P	A	P	P	P
49.	ASHOK KUMAR	Jr. lab. Assistant (EED)	Punjab Engineering College	P	P	P	P	P
50.	SARAH JACOBS	Associate Professor	College of Engineering Chengannur, Chengannur, Kerala-689 121	P	P	P	P	P
51.	RAJESH KUMAR	Assistant Engineer	Urban Local Bodies, Haryana	P	P	P	P	P
52.	SAURABH SINGH	Executive Engineer	Northern Railway, Chandigarh	A	P	P	P	P
53.	MOHD.MURTAJA	Assistant Professor and Head	Ch. Charan Singh University Campus, Meerut.	P	P	P	P	P
54.	ROHIT PUZARA	Assistant Professor (Civil Engrg.)	Swami Vivekanand Subharti University, Meerut.	P	P	P	P	P
55.	PARVEEN KUMAR	Assistant Professor, School of Physical Sciences	DIT University, Makkawala, Dehradun-248009	P	P	P	P	P
56.	SURBHI SACHDEV	Professor, School of Physical Sciences	DIT University, Makkawala, Dehradun-248009	P	P	P	P	P
57.	MANOJ BHATNAGAR	Professor, School of Physical Sciences	DIT University, Makkawala, Dehradun-248009	P	P	P	P	P
58.	ANAMIKA	Assistant Professor	Chandigarh University	P	P	P	P	P
59.	PRADEEP KUMAR CHANDRA	Assistant Professor (Mech. Engrg.)	Lloyd Institute of Engineering and Technology , Greater Noida	P	P	P	P	P
60.	MUKUL BEDWA	Assistant professor	Chandigarh university	P	A	P	P	P
61.	PRASHANT UPADHYAY	Associate Professor (ECE)	Madanapalle Institute of Technology and Science, Madanapalle, Chittoor, Andhra Pradesh	P	P	P	P	P
62.	MANPREET SINGH	Scientist (REF),	Punjab Agricultural University, Ludhiana	P	P	P	P	P
63.	AJAY KUMAR	Lecturer (Chemical Engrg.)	MK GP, Jattal, Panipat	P	P	P	P	P
64.	GURPREET SINGH	Lecturer (App. Sc.)	Guru Nanak Dev Polytechnic College, Ludhiana (Pb.)	P	P	P	P	P
65.	NAVDEEP MOR	Assistant Professor (Civil Engrg.)	Guru Jambheshwar University of Science and Technology, Hisar, Haryana	P	P	P	P	P
66.	TUSHAR AGARWAL	Assistant Professor (Elect. Engrg.)	Arya Institute of Engineering & Technology, Jaipur	P	P	P	P	P
67.	SALGA ANN JACOB	Assistant Professor (ECE)	Mar Baselios College of Engineering and Technology, Thiruvananthapuram	P	P	P	P	P
68.	SURASMINI	ASSISTANT PROFESSOR, EED	Mar Baselios College of Engineering and Technology, Thiruvananthapuram.	P	P	P	P	P

69.	JOMOLE JOSEPH PEEDIKAYIL	Assistant Professor, (IT Engg.)	Mar Basellos College of Engineering and Technology, Malanchira P.O., Thiruvananthapuram, Kerala	P	P	P	P
70.	Dr. J. DHANALAKSHMI	Assistant Professor (Chemistry)	Kamaraj College of Engineering and Technology, S.P.G.C. Nagar, K.Vellakulam-625701.	P	P	P	P
71.	ANSHUMAN NAYAK	Assistant Professor (FE)	College of Engineering, Bhubaneswar - 751024 Odisha, India	P	P	P	P
72.	Dr. PREETI	Associate Professor (Biotech.)	Chandigarh group of college, Landran Mohali	P	P	P	P
73.	YATISH R G		Govt Polytechnic, Udupi	P	P	P	P
74.	Dr. MUKESH RUJHILA		Subharti Institute of Technology and Engineering, Meerut	P	A	P	P
75.	Dr. PANKAJ SRIVASTAVA	Associate Professor	Department of Physics, Jaipur National University, Jaipur	P	A	P	P
76.	VIPUL SHARMA	Assistant Professor, CSE	I.K. Gujral Punjab Technical University	P	P	P	P
77.	RIYAS PR	Assistant Professor	Dhaanish Ahmed Institute of Technology, Coimbatore, Tamilnadu	P	P	P	P
78.	SHREYA	Assistant Professor & Assistant Dean- (Dept. of Maths.)	Lovely Professional University, Jalandhar-Delhi G.T. Road, Phagwara, Punjab (India)- 144411	P	P	A	P
79.	AJAY RANA	Assistant Professor (Mech. Engg.)	Universal Group of Institutions, Punjab	P	P	P	P
80.	VIJAY SINGH	Assistant Professor (Mech. Engg.)	Universal Group of Institutions, Village Ballolpur, Lalru, Mohali, Punjab-140501	P	P	P	P
81.	PRABHKIRAN KAUR	Assistant Professor	IKGPTU, Amritsar Campus, Punjab.	P	P	P	P
82.	PANKAJ KUMAR	Lecturer (Chem. Engg.)	Maharishi Kashyap Govt. Polytechnic, Jattal, Panipat, Haryana	P	P	P	P
83.	VIKRAMJEET SINGH	Assistant Professor (Maths.)	IKGPTU Amritsar Campus	P	P	P	P
84.	MANPREET KAUR	TGT (Computer)	Sri Guru Gobind Singh College Public School Sector- 26, Chandigarh	P	P	P	P
85.	PAVAN SHARMA	Assistant Professor, IT	IMS Engineering College, Ghaziabad	P	P	P	P
86.	SUKHINDERBIR SINGH KALSI	Assistant Professor, (Mech. Engg.)	IKGPTU, Campus Amritsar, Punjab.	P	P	P	P



 I.K. Gujral Punjab Technical University
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 Chibcharia, Amritsar-Punjab-143105
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6.3.3 Number of professional development / administrative training Programmes organized by the institution for teaching and non teaching staff during the year

Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
20-06-2022 to 25-06-2022		Latest Technologies & Trends in Libraries	38


Prepared by:-


Checked by:-


Deputy Librarian
I.K. Gujral Punjab Technical University
Jalandhar


Subject: Detailed Schedule of the training Programme.

Days	Date	Session 1 09:30 AM to 11:00 AM	Session 2 11:30 AM to 01:00 PM	Session 3 02:00 Pm to 03:20 PM	Session 4 03:40 PM to 05:00 PM
1 st	20.06.22	Inaugural Session: Dr. S.K. Mishra, Registrar, IKGPTU	The Evolution of Documents Dr. M.P. Satija Emeritus Professor (Retd) GNDU, Amritsar	Information V/s Knowledge: Grey Areas Dr. M.P. Satija Emeritus Professor (Retd) GNDU, Amritsar	eContant development for teaching & Research Dr. Neeraj Singh , Deputy Librarian, Panjab University, Chandigarh
2 nd	21.06.22	RIFID Technology in Libraries Dr. Jivesh Bansal Librarian Panjab University, Chandigarh	E-Resources & Services of MHRD & UGC Dr. Jivesh Bansal Librarian Panjab University, Chandigarh	Technologies & Libraries Dr. Baljinder Kaur Assistant Professor, Punjabi University, Patiala	Smart Libraries for Smart users Dr. Baljinder Kaur Assistant Professor, Punjabi University, Patiala
3 rd	22.06.22	Training on KOHA Dr. Jatinder Kumar Librarian Lovely Professional University Phagwara	Research Writing & Citation Dr Nirmal Swain Professor, MDU, Rohtak	Publication Dynamism Dr Nirmal Swain Professor, MDU, Rohtak	Training on KOHA Dr. Jatinder Kumar Librarian Lovely Professional University, Phagwara
4 th	23.06.22	Open Educational Resources Madhu Midha Deputy Librarian IKGPTU	Digital Transition & Media & Information Literacy. Dr. H.P.S. Kalra Professor, Punjabi University, Patiala	Training on Mendley software Madhu Midha Deputy Librarian IKGPTU	Webometrics: A New Tool for WebsiteEvaluation by using Qantitative Techniques Dr. Manoj Verma Associate Professor, Mizoram University
5 th	24.06.22	NEP & LIS Education sharing of experience Dr Dinesh Gupta Professor and HOD, Central University of Haryana.	Digital Transformation & Disruptive Technology Changing Landscape of Librarianship Prof. K.P.Singh Prof. & Director GBPPGMH, University of Delhi, New Delhi	Academic Integrity and Research Ethics. Prof. K.P.Singh Director GBPPGMH, University of Delhi, New Delhi	Shodh Chakra: A new initiative of INFLIBNET for researchers Dr Dinesh Gupta Professor and HOD, Central University of Haryana.
6 th	25.06.22	Searching Information Online Dr. Sangita Gupta Professor & Head, University of Jammu	Test	Valedictory Session	

Break
11:00 AM to 11:30 AM

Lunch

Break
03:20 PM to 03:40 PM


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 Jalandhar

**I. K. Gujral Punjab Technical University
Knowledge Resource Centre**


Certificate Receiving of Six Days FDP on "Latest Technologies & Trends in Libraries" from June 20-25, 2022

Sr.No.	Name of the Participant	Male/ Female	Institute Name	Mobile No.	E-Mail ID	Signature of Participants
1	Arti Talwar	Female	I.K.Gujral Punjab Technical University, Jalandhar	8847427910	artitalwar2014@gmail.com	<i>Arti Talwar</i> 25/6/22
2	Baljinder Kaur	Female	I.K.Gujral Punjab Technical University, Jalandhar	9855307306	baljinder.ptu@gmail.com	<i>BK</i> 25/6/22
3	Baru	Male	I.K.Gujral Punjab Technical University, Jalandhar	9501658801	jindzaildar410@gmail.com	<i>Baru</i> 25/6/22
4	Deepak Chand	Male	I.K.Gujral Punjab Technical University, Jalandhar	9041155352	harry981@yahoo.com	<i>Deepak</i>
5	Dharmender Kumar	Male	I.K.Gujral Punjab Technical University, Jalandhar	9417379673	dharmenderkumar160@gmail.com	<i>Dharmender Kumar</i> 25/06/22
6	Geeta Rani	Female	St. Soldier Institute of Pharmacy, Jalandhar	8968119343	bidla.geeta@gmail.com	<i>Geeta Rani</i> 25/6/22
7	Gurinderjit Kaur	Female	BIS Group of Institution, Gagra Moga	7973638340	rubysidhu15@gmail.com	<i>Gurinderjit Kaur</i> 25/6/22
8	Gurpreet Singh	Male	I.K.Gujral Punjab Technical University, Jalandhar	8054710504	gs409497@gmail.com	<i>Gurpreet Singh</i>
9	Harpreet Singh	Male	Hans Raj Mahila Maha Vidyalayaaha, Jalandhar	7814976266 7814975960	harpreet.hmv@gmail.com	<i>Harpreet Singh</i> 25/6/22
10	Jagjeet Kaur	Female	Trinity College, Jalandhar	9464832260	jagjeetkaur490@gmail.com	<i>Jagjeet Kaur</i> 25/6/22
11	Jasmeet Kaur	Female	I.K.Gujral Punjab Technical University, Jalandhar	9988003090	jasmanroop11415@gmail.com	<i>Jasmeet Kaur</i> 25/6/22
12	Kamal Mittal	Male	I.K.Gujral Punjab Technical University, Jalandhar	9888736073	kmittal_2007@yahoo.com	<i>Kamal Mittal</i> 25/6/2022
13	Mamta Rani	Female	Innocent Hearts Group of Institutions, Loharan, Jalandhar	8968488443	mamtachugh183@gmail.com	<i>Mamta Rani</i> 25/6/22

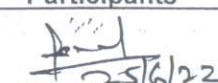
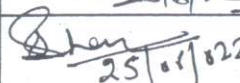
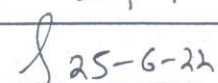
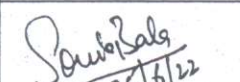
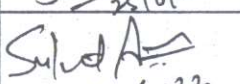
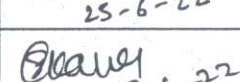
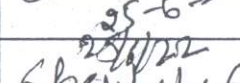
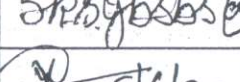
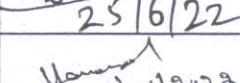
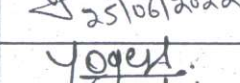
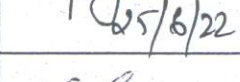
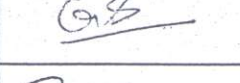
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Jalandhar


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Sr.No.	Name of the Participant	Male/ Female	Institute Name	Mobile No.	E-Mail ID	Signature of Participants
14	Manahor Lal	Male	I.K.Gujral Punjab Technical University, Jalandhar, Hoshiarpur Campus	8872450800	manoharptu@gmail.com	<i>Manohar Lal</i> 25/6/2022
15	Manmohan Joshi	Male	Anand College of Engg. & management, Kapurthala	9056363454	acemlibrary.kpt@gmail.com	<i>M. Joshi</i> 25/6/22
16	Meenu Bala	Female	I.K.Gujral Punjab Technical University, Jalandhar	7340939943	meenubala685@gmail.com	<i>M. Bala</i> 25/6/22
17	Narinder Kaur	Female	I.K.Gujral Punjab Technical University, Jalandhar	9988700370	renunarinderkaur@gmail.com	<i>N. Kaur</i> 25/6/2022
18	Navinder Singh	Male	KMS College of IT & Management Dasuya	9914414529	mbadhan ^{o/s} @gmail.com	<i>N. Singh</i> 25/06/2022
19	Pardeep Kumar	Male	Guru Nanak College For Women, Banga	9855976874	dugh18@gmail.com	<i>P. Kumar</i> 25/06/22
20	Pawan Kumar	Male	I.K.Gujral Punjab Technical University, Jalandhar	9855568086	pawan.khichy@gmail.com	<i>P. Kumar</i> 25/06/22
21	Rajbeer Kaur	Female	Amritsar Group of Colleges, Amritsar.	98779-34479	rajwindersingh8619@gmail.com	<i>Rajbeer Kaur</i> 25/6/22
22	Rajinder Kumar	Male	D.A.V. Inst. of Engg. & Tech., Jalandhar	9915516552	irajindersharma@gmail.com	<i>R. Kumar</i> 25/6/22
23	Ram Paul	Male	I.K.Gujral Punjab Technical University, Jalandhar	9915311817	rampaul_2011@yahoo.in	<i>R. Paul</i> 25/6/22
24	Dr. Renu Bala	Female	PIET Sanskriti Sen. Sec. School, NFL Township, Panipat	9354182832	renu.bala149@gmail.com	<i>Renu Bala</i> 25/6/2022
25	Ravi Kumar	Male	I.K.Gujral Punjab Technical University, Jalandhar	7009291859	ravikhichy86@gmail.com	<i>R. Kumar</i> 25.06.22
26	Sandeep Kaur	Female	I.K.Gujral Punjab Technical University, Jalandhar	8146779167	library.ptu@gmail.com	<i>Sandeep Kaur</i> 25-6-2022


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Certificate Receiving of Six Days FDP on "Latest Technologies & Trends in Libraries" from June 20-25, 2022

Sr.No.	Name of the Participant	Male/ Female	Institute Name	Mobile No.	E-Mail ID	Signature of Participants
27	Sanjay kumar	Male	I.K.Gujral Punjab Technical University, Jalandhar	7009691306	sanjayanand1981@gmail.com	 25/6/22
28	Savita Sharma	Female	Vikram Vidyalaya, Amritsar	7876637560	savisharma450@gmail.com	 25/06/22
29	Simran Singh	Male	I.K.Gujral Punjab Technical University, Mohali Campus	6283616456	simransingh9755@gmail.com	 25-6-22
30	Sonia Bala	Female	CKD Institute of Management & Technology Amritsar	9914732931	balasonia04@gmail.com	 25/6/22
31	Suket Arora	Male	Central University of Himachal Pradesh, Sapt Sindhu Parisar, Dehra (H.P.)	7009985080	suket.arora@hpcu.ac.in	 25-6-22
32	Sukhwinder Kaur	Female	Pyramid College of Business & Tech., Phagwara	9876750546	sukhbangar7@gmail.com	 25-6-22
33	Surekha Sharma	Female	Saint Soldier Mgt. & Tech. College, Basti Mithu, Jalandhar	9877596352		 25/6/22 shs.ybsbs@gmail.com
34	Veerpal Kaur	Female	Ludhiana College of Engg. & Tech., Katani Kalan, Ludhiana	8054353113	veerpalkaur15april85@gmail.com	 25/6/22
35	Vijay Anand	Male	I.K.Gujral Punjab Technical University, Jalandhar	8872473888	anandvijay427@gmail.com	 25/06/2022
36	Yogesh Singh Malik	Male	Chandigarh Group of colleges, Jhanjari, Mohali	8813913942	yogesh.malik31@gmail.com	 25/6/22
37	Gaurav Sarma	male	I. K. Gujral Punjab Tech. University (ITS)	9592030298	gauravSarma39@gmail.com	 G.S
38	Rizyanka	female	St. Soldier Coll. Co. Edu JUC	8872695802	Rizyanka_megh@gmail.com	 Rizyanka


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AICTE- iKGPTU Sponsored 6 Days National Level Faculty Development Programme (FDP) for Librarians on "Latest Technologies & Trends in Libraries" from June 20-25, 2022.

"Statement of Expenditure"

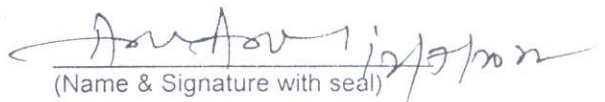
Reference No. : F. No. 34-37/11/FDC/STTP-TU/ IKGPTU/2021-22
 Title of the FDP : Latest Technologies & Trends in Libraries.
 Duration of the FDP : 20th June, 2022 to 25th June, 2022 (Six Days).
 Name of the Coordinator : Ms. Madhu Midha, Deputy Librarian, IKGPTU.
 Number of Participants Registered : 67 (Sixty Seven)
 AICTE Sanctioned Grant : Rs. 1,50,000/- (One Lakh Fifty Thousand Only).
 IKGPTU Sanctioned Grant : Rs. 1,50,000/- (One Lakh Fifty Thousand Only).

Sr. No.	Heads	Details of the Expenditures	Amount	AICTE	IKGPTU
1.	Coordinator Honorarium	Honorarium to FDP Coordinator	3,000/-	--	3,000/-
2.	Boarding & Lodging to Participants.	Lodging (Bister)	11,100/-	--	11,100/-
		Hostel Rent (Girls Hostel)	1,600/-	--	1,600/-
		Mess Charges (Girls Hostel)	2,530/-	--	2,530/-
		Mess Charges (Boys Hostels)	1,300/-	--	1,300/-
3.	Refreshment and Food	Refreshment (Tea, Snacks & Lunch)	64674/-	--	64674/-
4.	Working Expenses (Printing Certificate, Shield, Lab attendant, if any).	Bouquet	3,000/-	--	3,000/-
		Certificate Printing, Standee Flex Board etc.	4,578/-	--	4,578/-
		Books Gift for Resource Person	6,000/-	--	6,000/-
		Stationary (Ball Pen, Writing Pad, RIM, Punching Machine, Staplers Scissors, Pen etc)	6,552/-	--	6,552/-
5.	Course Material	Kit Bags	7,616/-	7,616/-	--
		Pen Drives to carry data	20,060/-	20,060/-	--
6.	Honorarium to Experts	Honorarium to Experts	56,000/-	56,000/-	--
7.	TA/DA to Resource Persons.	TA to out stationed Resource Persons	60,662/-	60,662/-	--
Total Utilized Funds			2,48,672/-	1,44,338/-	1,04,334/-
Total Sanctioned Amount			3,00,000/-	1,50,000/-	1,50,000/-
Balance Amount			51,328/-	5,662/-	45,666/-

Prepared by:  Checked by: 

(1) 
 (Name & Signature with seal)

Ms. Madhu Midha, Deputy Librarian
 Programme Coordinator
 Deputy Librarian
 I.K. Gujral Punjab Technical Univ.
 Jalandhar

(2) 
 (Name & Signature with seal)

Dr. Ashish Arora, Dean (R & D)
 Head of Department
 DEAN
 R&D Deptt.
 IKG Punjab Technical Univ.
 Jalandhar

(3) 
 (Name & Signature with seal)

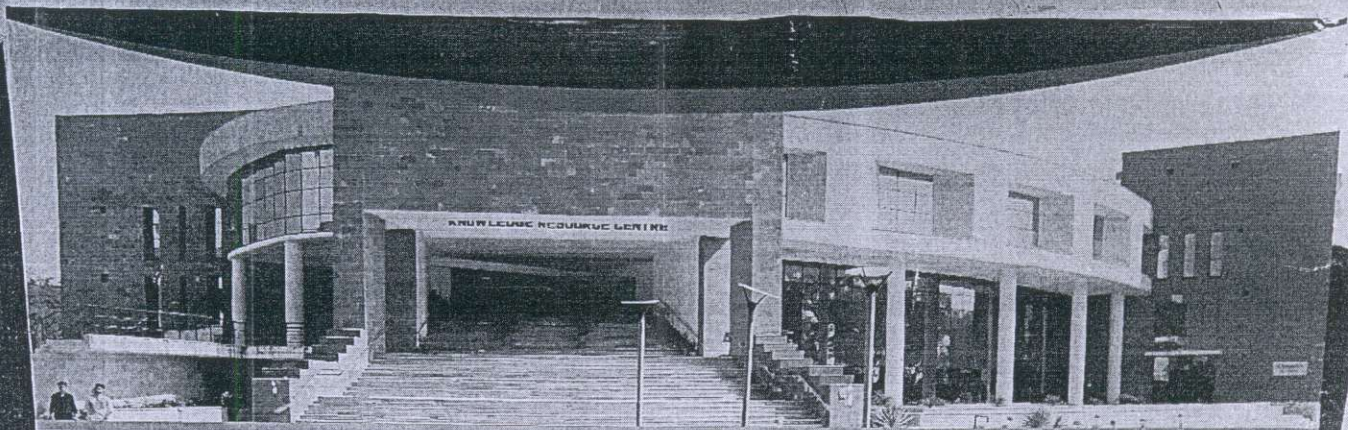
Dr. Sukhbir Singh Ahluwalia
 F.O., IKGPTU
 Finance Officer
 I.K. Gujral Punjab Technical University
 Jalandhar

(4) 
 (Name & Signature of Chartered Accountant)

Name: Varinder Kumar
 Membership No. 531121
 Rubber Stamp:
 Full Address: HNO31618, Mohalla
 Ghatkanwala, Kapurthala


 Deputy Librarian
 I.K. Gujral Punjab Technical University
 Jalandhar





**Six Days
National Level
Faculty Development Programme (FDP)
For Library Professionals
(AICTE & IKGPTU Sponsored)**

on

**“Latest Technologies & Trends in Libraries”
(June 20-25, 2022)**



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Rasulpur Brahmanan, Punjab 144002, India**

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Long 75.46091°

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Deputy Librarian
I.K. Gujral Punjab Technical University
Jalandhar

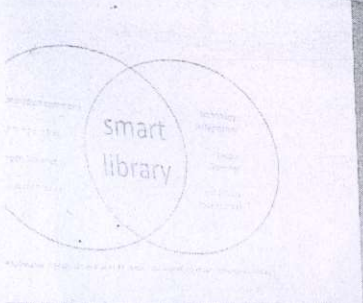
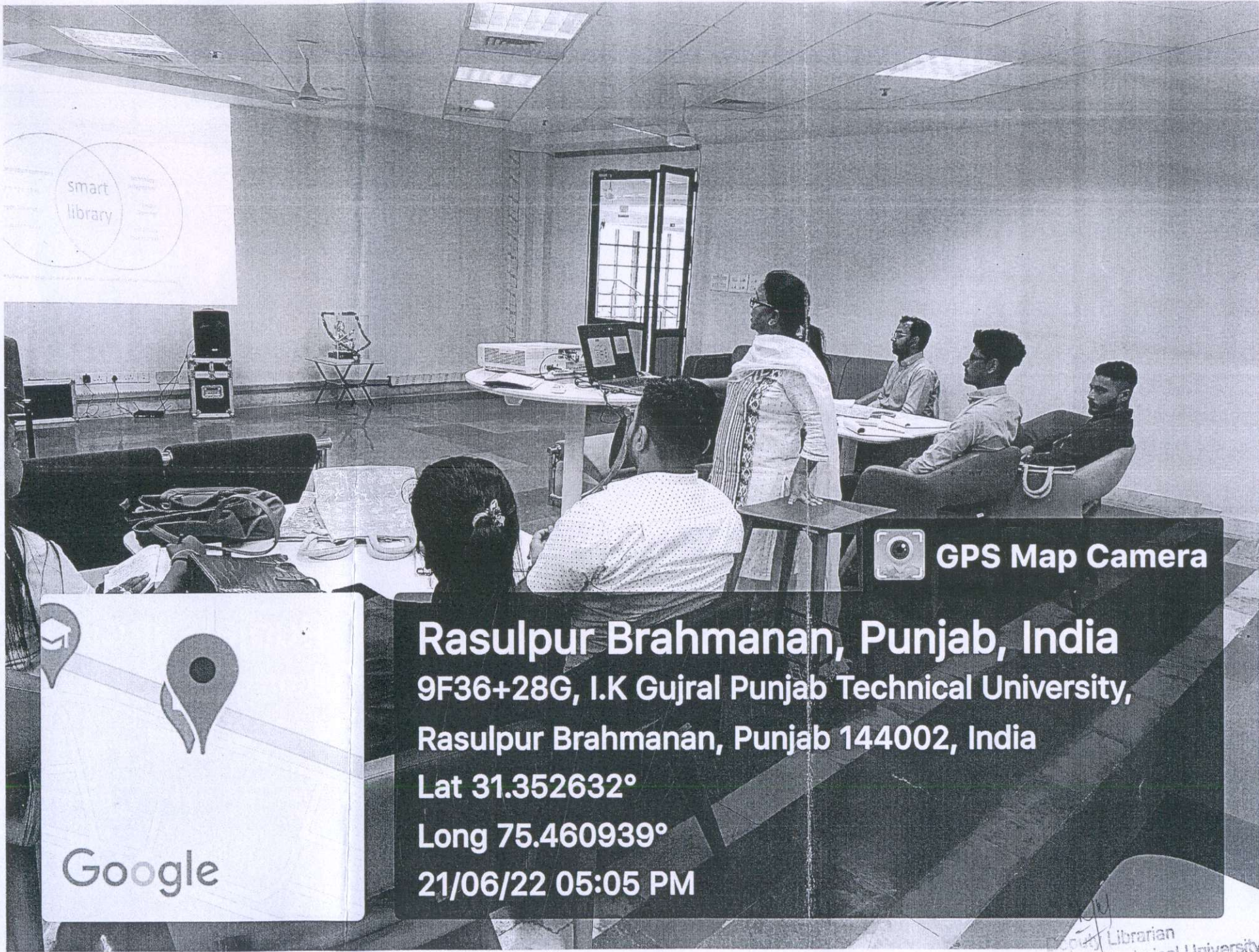


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Rasulpur Brahmanan, Punjab 144002, India
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Rasulpur Brahmanan, Punjab 144002, India

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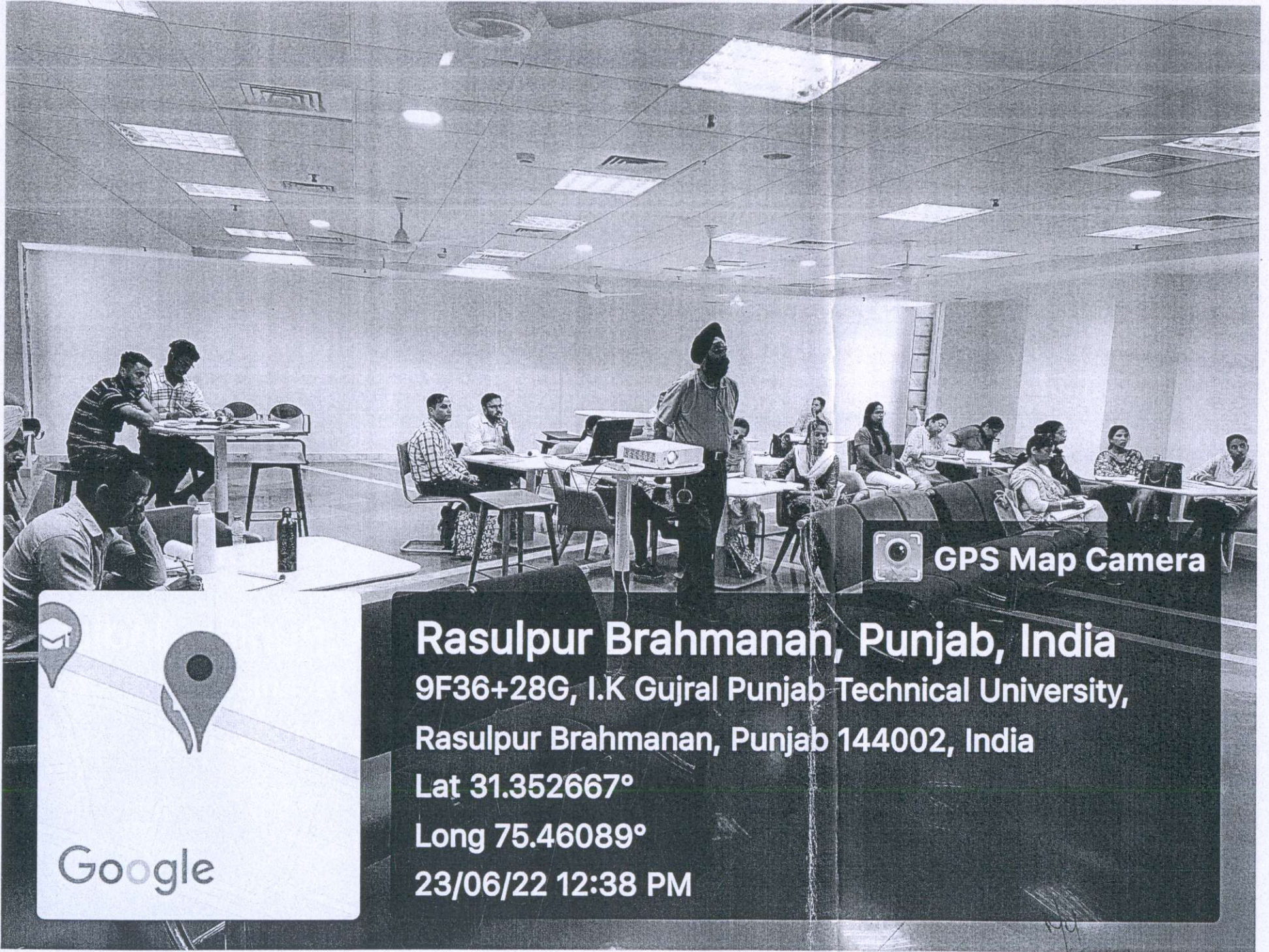


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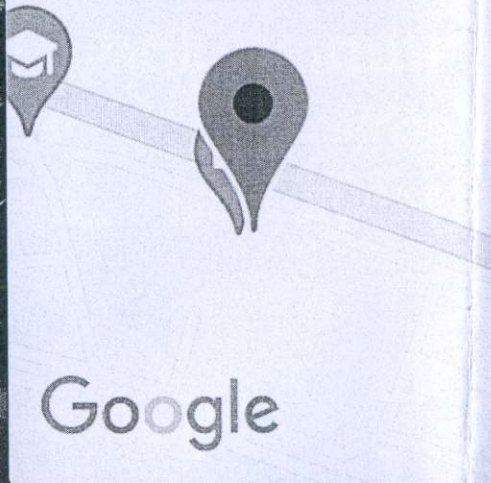
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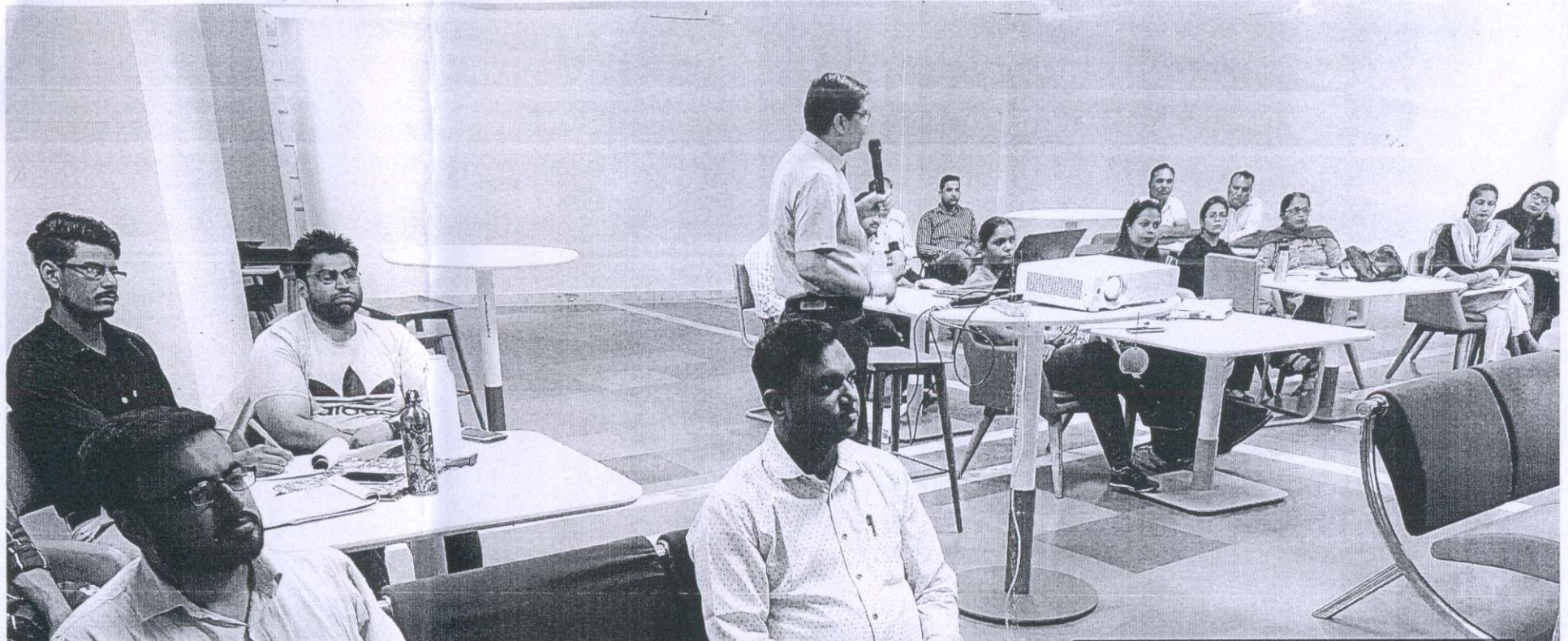


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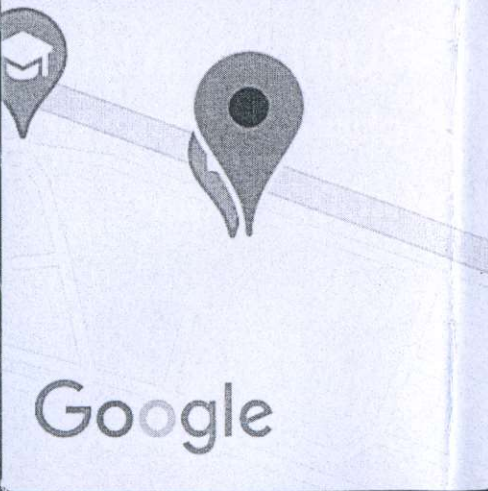


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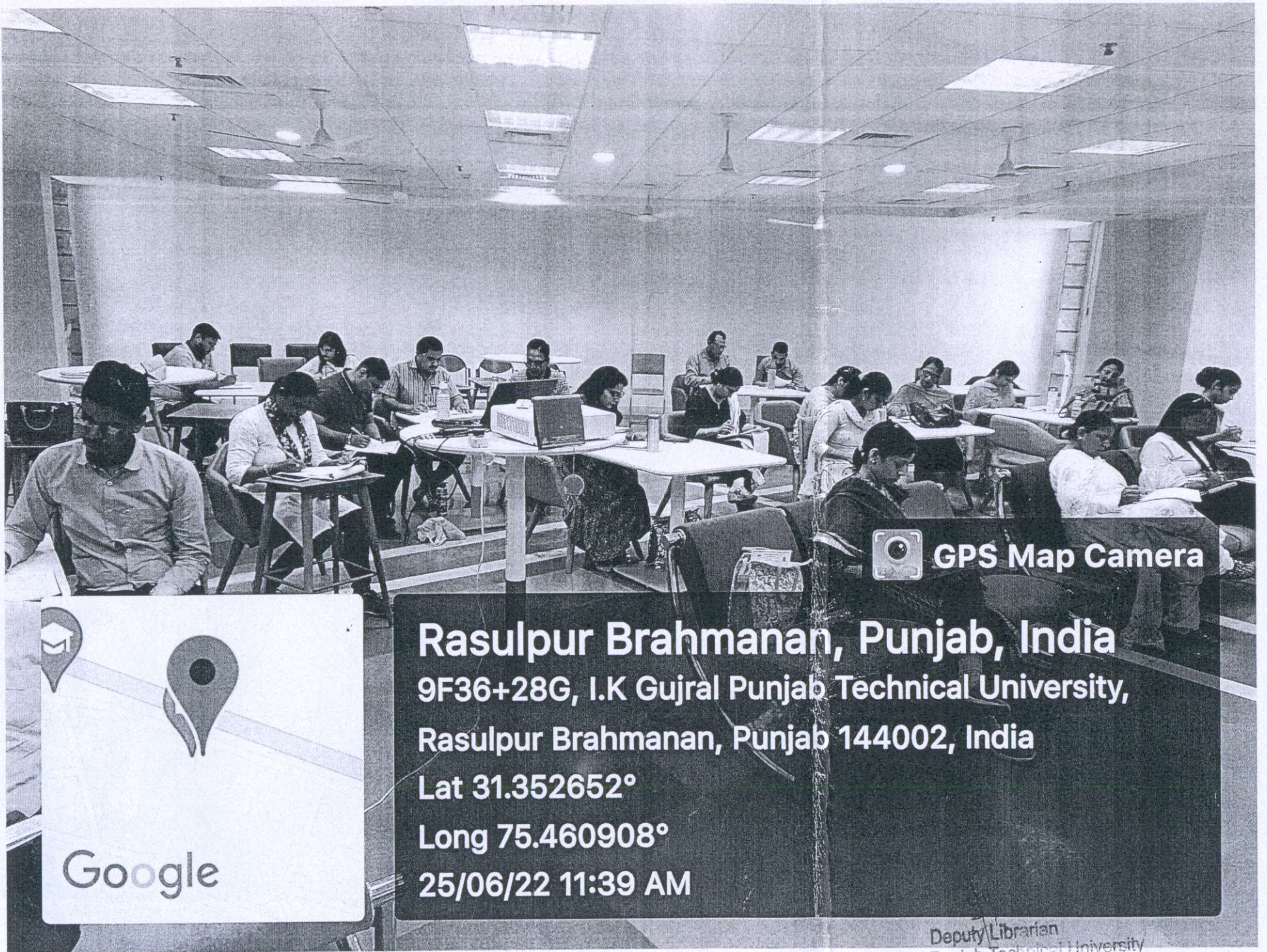
Rasulpur Brahmanan, Punjab 144002, India

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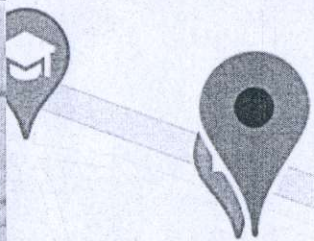
9F36+28G, I.K Gujral Punjab Technical University,

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