Report of

Faculty Development Programme on

Research Methodology and Intellectual Property Rights

7th - 12th May 2021

IQAC and IPR Cell of KRMU took initiative to educate the teaching fraternity and researchers about Research Methodology and Intellectual Property Rights.

Inauguration:

The FDP was inaugurated by Vice Chancellor Prof. Aditya Malik. In his inaugural address, he emphasized that research is a method of systematic inquiry to explore deeper into a topic and create results that are socially meaningful in a variety of formats, such as a thesis, product, research paper, or patent. There are numerous types of research, each with a unique methodology. A series of tasks are given for each step in the process of moving towards a problem solution. Every such task, whether it be data collecting, literature research, calculating a solution, or presenting the findings, needs the assistance of a number of tools and technology. These resources are not just helpful; they also contribute to an enhancement in the calibre of the research findings.

Session 1: Research Methodology

Resource Person: Prof. Avinash Sharma

A research method is a methodical approach to carrying out research. There are both qualitative and quantitative research methods, such as participant observation, surveys, experiments, and secondary data. The goal of research methods is to provide a thorough, in-depth explanation of observations, including the circumstances and context of happenings.

He, during his lecture said that Research is an experiment, investigating the cause and effect under highly controlled conditions. The Researchers have to test Hypothesis while conducting Research and conduct necessary surveys and canvas questionnaire to get information for their Research. He also explained about Research Methodology based on descriptions of qualitative and quantitative data

Session 2: Research Design

Resource Person: Prof. Kiran Bala

Prof. Kiran Bala, led the session on developing a research topic and the second session on constructing an exploratory research design. With a few real-world examples, she concentrated on the procedures to be followed in formulating a research topic and discussed factors to take into account when choosing a research problem. She attempted to distinguish between exploratory and definitive designs in the second session. The goal of an exploratory investigation is to look into a topic, provide an understanding of it, and offer insightful information. She clarified It can't be applied to generalisations; hence it can't be useful for making decisions. She highlighted important, repeated, and all-encompassing inquiries from

the Ph.D. defence as well as more focused queries supported by instances. In defending a Viva, she discussed the value of preparation, practise, skill improvement, and performance rehearsal.

Session 3: Open-source Tools

Resource Person: Dr Pawan Kumar

This session was specifically designed to teach researchers various open-source tools and methods for achieving research goals. Open-source software (OSS) is computer software that is released under a license in which the copyright holder grants users the rights to use, study, change, and distribute the software and its source code to anyone and for any purpose. Open-source software may be developed in a collaborative, public manner.

The main tools discussed are those that would help a researcher conduct a methodical background knowledge investigation, visualise data, present results effectively, write a research paper, prepare reports and a thesis, and guard against plagiarism. The main goal of the session was to spread awareness of some of the crucial digital tools used for academic purposes, including developing research profiles, locating pertinent and high-quality journals, and combining the essential digital skills that can be instrumental throughout the research process.

Session 4: Plagiarism in Research
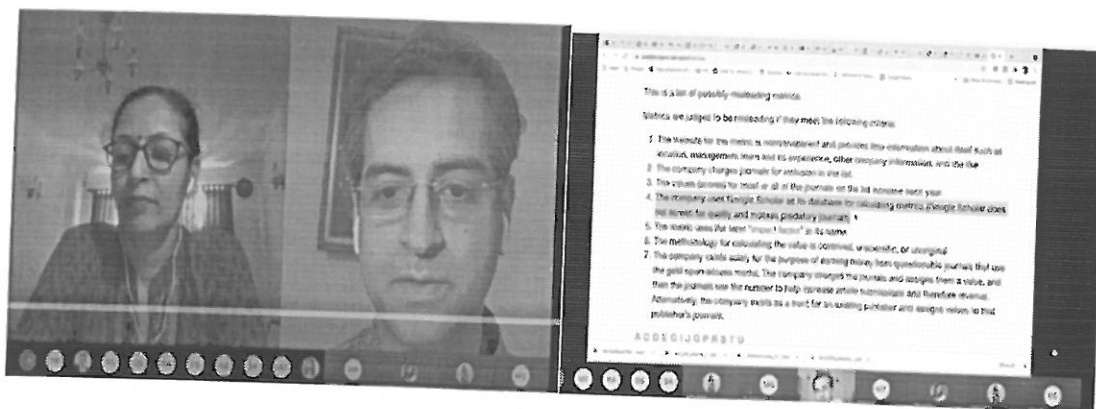
Resource Person: Dr Neeraj Gupta

Dr. Neeraj Gupta, Associate Professor, School of Engineering and Technology, highlighted the importance of issue of plagiarism in academic writings.
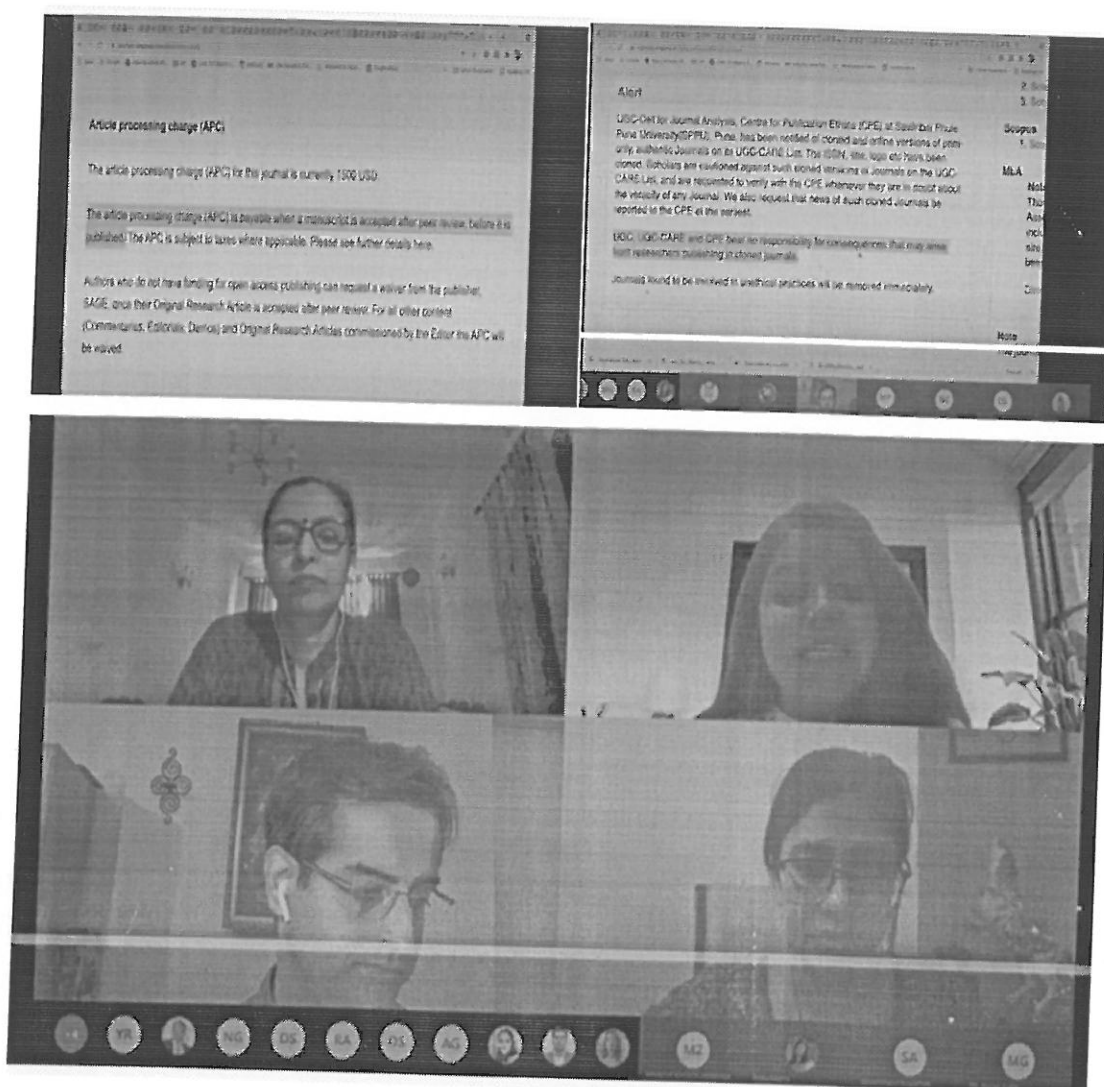
Urkund is the software that is recommended for identifying plagiarism and university librarian is the designated in charge for providing certificate for PhD thesis. Most of the faculty have access to Urkund.

Session 5: How to catch Fake/Predatory/Cloned Journals in Academics

Resource Person: Prof. Sumit Narula

How to catch Fake/Predatory/Cloned Journals in Academics (May 8, 2021) by Dr Sumit Narula, Director, Mass Communication, Amity University, Gwalior

The resource person for the FDP was Professor Sumit Narula who is a Ph.D. in Electronic Media and Conflict Resolution from Panjab University, Chandigarh. He is presently working Deputy Dean Research (Publications and Research) at Amity University Gwalior, Madhya Pradesh. He is also the Director/Head of Institution in Amity School of Communication in Amity University, Madhya Pradesh.

Prof. Narula is also the Editor in Chief of the bi-annual SCOPUS indexed and UGC CARE Listed Journal named Journal of Content Community and Communication. He is also the Chairman of the recently established Centre of Excellence for Detection of Fake News and Disinformation at Amity University Madhya Pradesh.

Prof. Narula gave a thorough, in-depth presentation on how to recognise authentic publications and avoid becoming a victim of false or cloned journals. Prof. Narula pondered extensively while demonstrating practically how to choose between the two. He introduced with duplicate journals that are currently dominating the market and the UGC Care list. This session provided insights on a variety of topics, including comprehending a journal's keywords, the editorial board of a specific journal, the journal's history, etc. The session raised awareness and was educational. Prof. Kiran Bala proposed vote of thanks.

Attendees: Shikha, Mehak, Pawan, Kiran Bala, Kaveri, M.P. Verma, Minakshi Katoch, Sahil Arora, Y. K. Rajoria, Kshama

Session 6: Bibliometric Analysis

Resource Person: Dr Seema Raj

Dr Seema Raj conducted the session on bibliometric Analysis and Meta-Analysis for the participants. She also emphasized on the importance of Systematic Literature review while drawing attention to various tools available for it. She provided hands on training about Zotero and Mendeley and how they can be used for purpose of intext citation and references. These tools are powerful in assimilating the large number of research papers.

Session 7: Intellectual Property Rights and Patents

Resource Person: Ms.Pooja

The resource person was Ms. Pooja. She gave an idea that IPR provides rewards and recognition to inventor/ contributor for their research work, legal protection which will also encourage the innovation, economic growth, possibility of new jobs and industries to improve the quality of living and which will also provide an environmental where the creativity will flourish and each and every one will be benefitted. The main aim of faculty development program is to impart the awareness about the issue of Intellectual Property Right (IPR) and will also impart knowledge to all the people and will be of great importance for all domains of development.

Session 8: IPR and Scope of Entrepreneurship

Resource Person: Dr. Megha Garg

The speaker of the day was Dr. Megha Garg who gave a brief idea about the IPR which applies to any original creation of the human intellect such as artistic, literary, technical, or scientific creation. This creation will only be used to commercialize and the will help the person to become an Entrepreneur. IPR is a strong tool, to protect investments, time, money, effort which are invested by the inventor/creator of an IP, since it grants the inventor/ its creator an exclusive right for a certain period of time for use of his invention/creation. The speaker tried to clear all the doubts of the participants and it was well perceived by them.

Session 9: Copyrights Infringement and other rights

Resource Person: Dr. Kaveri Sharma

The next session was conducted by Dr. Kaveri Sharma, Associate Professor, SOLS where she has tried to explain the Copyright infringement and other rights which are very important to relate with the Intellectual property. She gave an overview of how copyright infringement takes place. She has explained about the legal protection granted to the creators of original works, such as books, music ,art and software, which is giving them exclusive rights to reproduce, distribute , and display their work. The participants were curious to clear their doubts and the speaker addressed them with all patience.

Session 10: How to file a patent application?

Resource Person: Dr. Inderpreet Kaur

What are the steps which one has to deal with it. There are two ways of filing patent one is in Physical filing at the Patent Office and the other is Electronic filing. The appropriate office of the patent office shall be the head office of the head office of the Patent Office. Documents can be filed in the patent office through online(e-filing) or www.ipindiaonline.gov.in/online, through post or, can be submitted by hand. She has also explained about the various types of Forms No 1,2,3,18,9,26 and what is the purpose of these forms.

Final day Valedictory and Feedback: The Final Valedictory day of the 6 days Faculty Development Programme was concluded by the IQAC Director Dr.Meena Bhandari where she has thanked all the invited Guest Speakers who have been kind enough to share their knowledge and also made aware all the participants about the various aspects of Research and ethical issues related to Intellectual Property. She also thanked all the coordinators of this FDP and also all the participants who have been attending these sessions.The feed back form was circulated to the participants.

Organisers: Dr.Seema Raj and Dr.Inderpreet Kaur

Faculty Development Programme on Research Methodology and Intellectual Property Rights

About the University

K.R. Mangalam University is the fastest-growing higher education institute in Gurugram, India. Since its inception in 2013, the University has been striving to fulfil its prime objective of transforming young lives through ground-breaking pedagogy, global collaborations, and world-class infrastructure. The next-generation institution offers a myriad of Undergraduate, Postgraduate and Doctoral Degree Programs across multiple disciplines, under the mentorship of highly qualified faculty. KRMU proactively organizes seminars, industrial visits, experts' lectures, internships, symposiums, campaigns and many more activities, providing students with a 360-degree exposure to various trends, helping them build diverse viewpoints. Along with advanced learning, the university gives paramount importance to co-curricular activities such as vibrant festival celebrations, social responsibility activities, tech training, research and many more activities. Recognized for its virtues of quality, equality, inclusiveness, sustainability, and professional ethics, KRMU is synonymous to academic excellence and innovation.

About the FDP:

Academic curriculum is a dynamic phenomenon that must be equipped for recognizing the changes in the environment and respond to the current national and global demands and challenges. Higher educational institutions around the world need to re-orient and reshape their programs and policies. It is envisaged that professionally qualified graduates with a sound knowledge of interdisciplinary studieswill have more opportunities in higher academicinstitutions and employment sectors in the years to come. Consequent upon the need of reorientation and reshaping of academic programs, many institutions of higher learningeither have already started redesigning/ reorientation of their curricula while many are perhaps in their planning phases. To bridge this gap and to understand the key components of interdisciplinary curriculum, from identifying common themes and concepts that bridge disciplines to fostering collaborative teamwork among educators from diverse backgrounds. This Faculty Development Program will help in understanding the major domainsof interdisciplinary educationand delve into the intricacies of assessing and evaluating studentlearning in this context.

Objectives of the FDP:

1. To improve the research skills and competence of faculty members by providing them with a deeper understanding of research methodologies, techniques, and best practices.
2. To Instill a strong sense of research ethics and integrity by educating faculty about responsible conduct in research, plagiarism prevention, and adherence to ethical guidelines and norms.
3. To raise awareness about intellectual property rights (IPR) and their importance in the academic and innovation context. Faculty should gain a clear understanding of patents, copyrights, trademarks, and trade secrets and their relevance to their work.
4. To equip faculty with the knowledge and tools to identify, protect, and manage intellectual property generated through research activities. This includes understanding the patenting process, copyright protection, and strategies for commercialization.
5. To cultivate a culture of research and innovation within the academic institution by empowering faculty members to mentor and guide students in their research endeavors. This, in turn, can boost the institution's research output.
6. To encourage interdisciplinary collaboration by bringing together faculty members from various disciplines. This can lead to cross-pollination of ideas, fostering innovation and unique research projects.
7. To enhance research skills and intellectual property knowledge, the program aims to improve the quality of teaching and mentorship provided by faculty members, ultimately benefiting students and the overall educational experience.

Sub-Themes of the FDP:

1. Research Methodology
2. Intellectual Property Rights (IPR)
3. Research Ethics and Integrity
4. Commercialization and Technology Transfer
5. Interdisciplinary Research
6. Teaching and Mentorship
7. Research Communication and Dissemination
8. Research Funding and Grant Writing
9. International Research and Collaboration
10. Emerging Trends in Research and IPR

Resource Persons:

1. Prof. Avinash Sharma
2. Prof. Kiran Bala, Dean SJMC
3. Dr Pawan Kumar
4. Dr Neeraj Gupta
5. Prof. Sumit Narula
6. Dr Seema Raj
7. Ms.Pooja, Consultant Innove Intellects
8. Dr. Megha Garg, Assistant Professor, SGT
9. Dr. Kaveri Sharma, School Coordinator, SOLS
10. Dr. Inderpreet Kaur, Assistant Professor, SOLS

Registration Process:

- The FDP is open to all faculty members and research scholars of K.R. Mangalam University.
- The FDP would be conducted in KRMU Campus
- FDP is free of cost; however,faculty and researchscholars are requested to fill Registration
- Form.
- Certificates will be providedto all registered participants after the completion of FDP.

Organising Committee:
Dr. Seema Raj
Dr. Inderpreet Kaur