



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

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NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

Report on Three Days International Workshop on "Fundamentals and Recent Trends in Intellectual Property Rights, Startup Development, and Research Publication"

Organised by

Department of Electronics and Communication Engineering

in collaboration with

MITS IPFC & MITS IEEE Student Branch Chapter (ComSoc)

November 27th to November 29th 2024

Coordinators:

Dr. E. Aravindraj, Assistant Professor, ECE, MITS

Mr. T. Manivannan, Assistant Professor, ECE, MITS

Total Participants:

150 students

Mode of Conduct:

Hybrid Mode

The three-day workshop titled "Fundamentals and Recent Trends in Intellectual Property Rights, Startup Development, and Research Publication" organized by the Department of Electronics and Communication Engineering, MITS, in collaboration with the MITS IPFC & MITS IEEE Student Branch Chapter (ComSoc) commenced with registration at 10:00 AM on November 27th, 2024, in Seminar Hall-A (for internal Participants) and Microsoft Teams (for External Participants).

The Inauguration began at 10:15 AM with welcome address by Dr. E. Aravindraj, Assistant Professor/ECE. This was succeeded by an Inaugural address from Dr. S. Rajasekaran, Head of the Department/ ECE, at 10:20 AM., and a Presidential address by Dr. R. Thulasiram Naidu, Advisor, R&D and Consultancy, at 10:30 AM. Dr. P. Sivaiah, Assoc. Prof./ MECH, and Dr.C.Kumar, Asst. Prof./ ECE gave keynote speech, at 10:40 AM. Ms. Lakshmi, II Year ECE

E-Section Student presented an elaborated profile and introduced Mr. A. Ambigaapathy & Mr.D. Thiyagaraja Guptha, Deputy Controllers of Patents and Designs, Intellectual Property Office, Chennai at 10.45AM. Mr. A. Ambigaapathy & Mr. D. Thiyagaraja Guptha delivered the special address at 10:50 AM. The resource persons were felicitated with a flower bouquet at 10:55 AM., and Closing Remarks was given by Dr. E. Aravindraj, Assistant Professor/ECE, concluding the inaugural session at 11:00 AM.



Figure 1: Inaugural Ceremony



Figure 2: Welcoming and Felicitating the Resource Person Mr. A. Ambigaapathy & Mr.D.Thiyagaraja Guptha, Deputy Controllers of Patents and Designs, IPO, Chennai

Day 1: November 27th, 2024 (Session 1 _ Forenoon)

Resource Person: **Mr. A. Ambigaapathy, Deputy Controller of Patents and Designs (Physics), Intellectual Property Office, Chennai. (Physical)**

Topic: **Key Insights and Best Practices in Navigating the Path to Patent Grant**

An insightful session was delivered by Mr. A. Ambigaapathy, Deputy Controller of Patents and Designs (Physics) at the Intellectual Property Office, Chennai. The session focused on demystifying the process of securing a patent, emphasizing key strategies for effective filing patent.

Mr. Ambigaapathy highlighted the importance of thorough prior art searches, clarity in claims and adherence to procedural guidelines for expediting the patent grant process. He provided practical examples to demonstrate common pitfalls and how to avoid them. The session also addressed strategies for protecting intellectual property internationally.

Participants, including faculty and students, engaged actively, seeking advice on specific challenges faced during patent filings. The session equipped attendees with actionable insights and fostered a deeper understanding of intellectual property management, crucial for innovative research and development.



Figure 3: Resource Person: Mr. A. Ambigaapathy, Deputy Controller of Patents and Designs (Physics), Intellectual Property Office, Chennai (Day 1_Session 1)



Figure 4: At Day 1 - Session 1: Key Insights and Best Practices in Navigating the Path to Patent Grant

Day 1: November 27th, 2024 (Session 2 _ Afternoon)

Resource Person: **Mr. D. Thiyagaraja Guptha, Deputy Controller of Patents and Designs (Electronics and Communication), Intellectual Property Office, Chennai (Physical)**

Topic: **Step-by-Step Guide to Patent Drafting: Essential Formats and Required Documentation**

A detailed and highly engaging session on “Step-by-Step Guide to Patent Drafting: Essential Formats and Required Documentation” was delivered by Mr. D. Thiyagaraja Guptha, Deputy Controller of Patents and Designs (Electronics and Communication), Intellectual Property Office, Chennai. The session aimed to equip participants with a comprehensive understanding of drafting patent applications effectively.

Mr. Guptha outlined the key elements of a patent document, including the title, abstract, detailed description, claims, and drawings. He emphasized the importance of precise and unambiguous language in claims to ensure strong intellectual property protection. Additionally, he elaborated on the procedural aspects, including the preparation of required documentation and adherence to prescribed formats.

The interactive session allowed participants to clarify doubts regarding filing strategies, common mistakes, and ways to address examiner objections. Attendees gained practical insights into structuring patent applications, making the session invaluable for researchers and innovators aiming to protect their inventions.



Figure 5: Resource Person: Mr. D. Thiagaraja Gupta, Deputy Controller of Patents and Designs (Electronics and Communication), Intellectual Property Office, Chennai (Day1 _ Session 2)



Figure 6: At Day 1 - Session 2: Step-by-Step Guide to Patent Drafting: Essential Formats and Required Documentation

Day 2: November 28th, 2024 (Session 1 _Forenoon)

Resource Person: **Mr. Murali N Naidu, Founder & CEO, PANDeCe Pvt. Ltd., Bangalore (Online)**

Topic: **Key strategies for transforming research ideas into successful Startups**

An inspiring online session on “Key Strategies for Transforming Research Ideas into Successful Startups” was conducted by Mr. Murali N Naidu, Founder & CEO of PANDeCe Pvt. Ltd., Bangalore. The session provided valuable insights into bridging the gap between research and entrepreneurship, with a special focus on opportunities in the e-commerce sector.

Mr. Naidu emphasized the rapid growth and potential of e-commerce, urging researchers to explore innovative solutions tailored to this dynamic industry. He discussed the importance of creating user-centric e-commerce platforms and highlighted the role of data-driven decision-making, supply chain optimization, and customer engagement in building successful ventures. He also outlined key strategies for launching and scaling e-commerce websites, including securing funding, leveraging technology, and addressing market demands effectively.

The session concluded with an engaging Q&A, inspiring participants to apply their research skills in developing impactful solutions for the booming e-commerce landscape. Attendees left with a clear roadmap for entrepreneurship in this thriving sector.

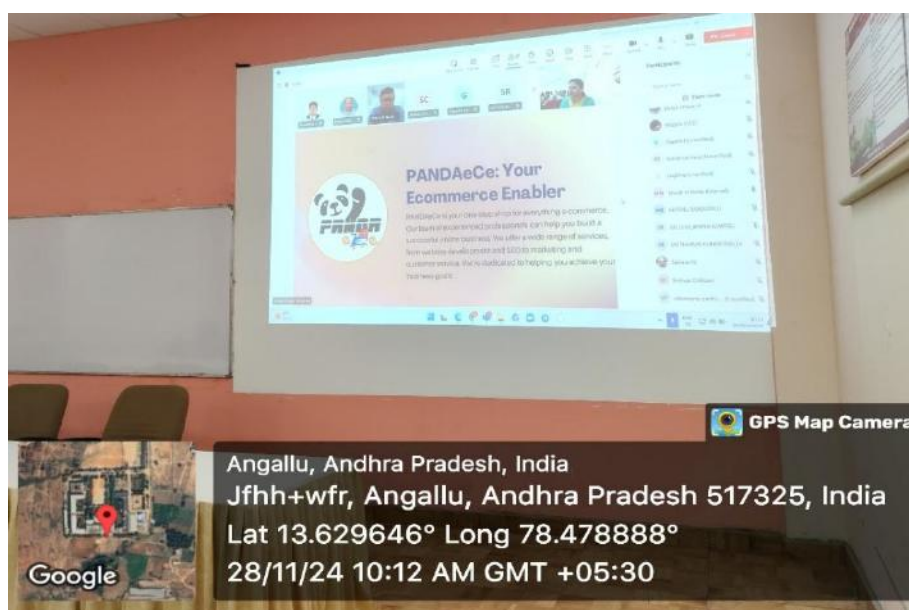


Figure 7: Resource Person: Mr. Murali N Naidu, Founder & CEO, PANDeCe Pvt. Ltd., Bangalore (Day 2 _ Session 1)



Figure 8: At Day 2 - Session 1: Key strategies for transforming research ideas into successful Startups

Day 2: November 28th, 2024 (Session 2 _Afternoon)

Resource Person: **Mr. Sathishkumar R, Chief Technology Officer, Zimro Pvt. Ltd., Chennai (Online)**

Topic: **Developing skills for entrepreneurship to drive job creation and boost local and global economies**

An insightful online session on “Developing Skills for Entrepreneurship to Drive Job Creation and Boost Local and Global Economies” was delivered by Mr. Sathishkumar R, Chief Technology Officer, Zimro Pvt. Ltd., Chennai. The session provided a comprehensive overview of the procedures, guidelines, and challenges involved in launching a startup.

Mr. Sathishkumar emphasized the importance of market research, problem identification, and innovative thinking in laying the foundation for a successful entrepreneurial venture. He detailed the procedural steps, from developing a business plan and registering the startup to navigating funding opportunities and building a robust team. Practical guidelines on securing intellectual property rights and complying with legal and regulatory frameworks were also highlighted.

The session addressed key challenges such as resource management, scaling operations, and sustaining market relevance. With real-world examples, Mr. Sathishkumar inspired participants to leverage entrepreneurship as a means of fostering economic growth. The session concluded with a dynamic Q&A, offering tailored advice to budding entrepreneurs.

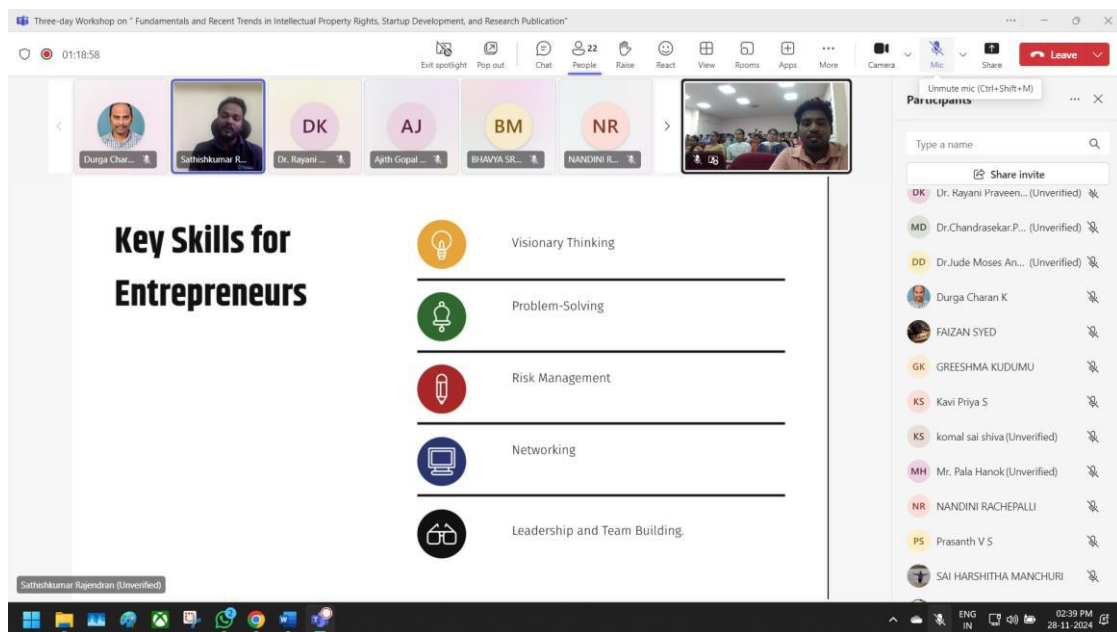


Figure 9: Resource Person: Mr. Murali N Naidu, Founder & CEO, PANDeCe Pvt. Ltd., Bangalore (Day 2 _ Session 2)



Figure 10: At Day 2 - Session 2: Developing skills for entrepreneurship to drive job creation and boost local and global economies

Day 3: November 29th, 2024 (Session 1 _Forenoon)

Resource Person: **Dr. Shreesha Chokkadi, Professor & Head, Department of ICE, Manipal Institute of Technology, Manipal (Online)**

Topic: **Analysing Subject Trends, Understanding Novelty, and Ethical Considerations in Research**

An engaging online session on “Analyzing Subject Trends, Understanding Novelty, and Ethical Considerations in Research” was conducted by Dr. Shreesha Chokkadi, Professor & Head, Department of ICE, Manipal Institute of Technology, Manipal. The session offered valuable insights into navigating the complexities of modern research with a focus on emerging trends, innovation, and ethics.

Dr. Chokkadi emphasized the importance of identifying current and future trends in one’s field of study to ensure the relevance and impact of research work. He elaborated on the critical process of evaluating novelty by conducting comprehensive literature reviews and analyzing gaps in existing knowledge. The session also highlighted ethical research practices, including plagiarism avoidance, data integrity, and responsible authorship.

With real-world examples and practical tips, Dr. Chokkadi inspired participants to pursue meaningful and ethical research. The session concluded with an interactive Q&A, addressing participants' queries and reinforcing the importance of integrity in research endeavours.

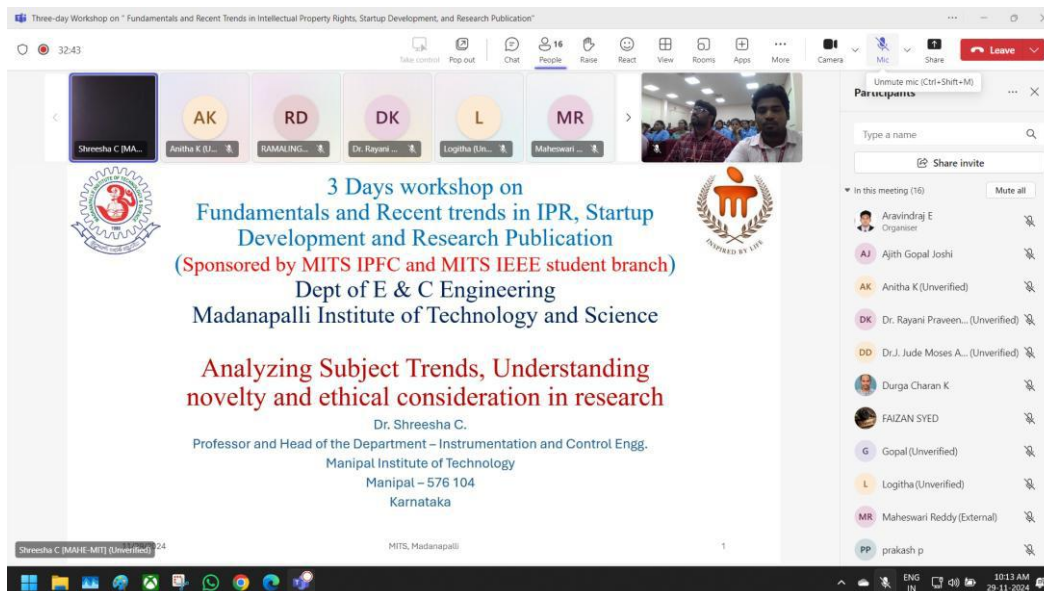


Figure 11: Resource Person: Dr. Shreesha Chokkadi, Professor & Head, Department of ICE, Manipal Institute of Technology, Manipal (Day 3 _ Session 1)



Figure 12: At Day 3 - Session 1: Analysing Subject Trends, Understanding Novelty, and Ethical Considerations in Research

Day 3: November 29th, 2024 (Session 2 _Afternoon)

Resource Person: **Ms. Logitha Sivasankar, Journal Editorial Officer, Knowledge Works Global Pvt. Ltd., Delhi (Online)**

Topic: **Mastering Peer Review: Best Practices and Insights for Successful Research Publications**

An informative online session on “Mastering Peer Review: Best Practices and Insights for Successful Research Publications” was delivered by Ms. Logitha Sivasankar, Journal Editorial Officer, Knowledge Works Global Pvt. Ltd., Delhi. The session provided participants with practical strategies to navigate the peer review process effectively and enhance the quality of their research publications.

Ms. Logitha emphasized the critical role of peer review in maintaining academic integrity and improving research output. She outlined the stages of the peer review process, from initial submission to final decision-making, and highlighted the importance of clarity, coherence, and adherence to journal guidelines. Best practices for responding to reviewer comments, addressing revisions, and maintaining professionalism were discussed in detail.

The session also offered insights into common challenges faced by authors, such as rejection and delays, and strategies to overcome them. Attendees left equipped with valuable knowledge to successfully navigate the publishing journey and contribute to scholarly excellence.



Figure 13: Resource Person: Ms. Logitha Sivasankar, Journal Editorial Officer, Knowledge Works Global Pvt. Ltd., Delhi (Day 3 _ Session 2)



Figure 14: At Day 3 - Session 2: Mastering Peer Review: Best Practices and Insights for Successful Research Publications

Valedictory Ceremony

Dr. E. Aravindraj, Assistant Professor, Dept. of ECE, MITS anchored and summarized the workshop in the valedictory ceremony. Dr. S. Rajasekaran, Head of the Department/ ECE, thanked MITS IPFC & MITS IEEE Student Branch Chapter (ComSoc), MITS Management and Principals & Managements of external participants for sending them to attend the 3 Day Workshop. Later, we took feedback from the participants to get suggestions and improvements for the future events. Mr. T. Manivannan, Coordinator proposed the vote of thanks.

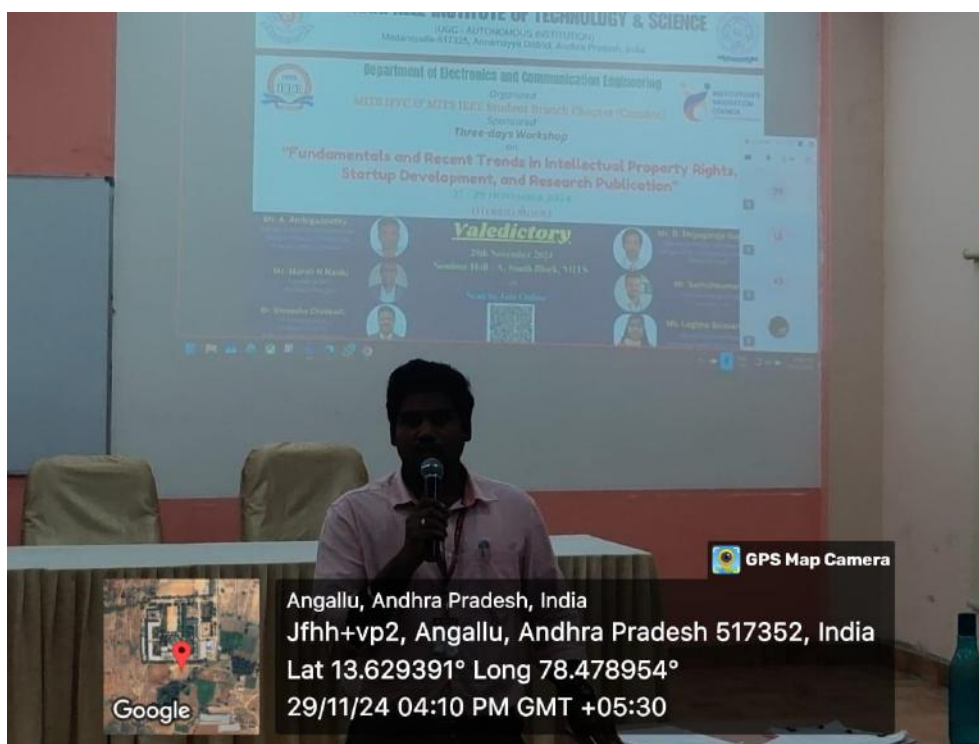


Figure 14: Valedictory of the Workshop



Figure 15: Photos of the Principal Appreciating the Resource Persons

Outcome of the Workshop, participants will be able to:

The workshop successfully empowered participants with practical knowledge on entrepreneurship, research ethics, peer review processes, and startup development. With resource persons from academia, industry, and publishing, attendees gained multidisciplinary perspectives on critical aspects of research and entrepreneurship. The following key outcomes were achieved:

1. **Enhanced Research Skills:** Participants gained insights into subject trends, novelty evaluation, and ethical research practices.
2. **Entrepreneurial Development:** Skills for transforming research ideas into startups were imparted, with a focus on job creation and boosting the local economy.
3. **Publication Expertise:** Best practices for mastering the peer review process were explored, equipping researchers for successful publications.
4. **Industry Collaboration: Mr. Sathishkumar R,** Chief Technology Officer, Zimro Pvt. Ltd., committed to offering internships for MITS students, fostering practical exposure and entrepreneurship development.

Mapping with Sustainable Development Goals (SDGs):

The workshop aligns with the following SDGs:

- **SDG 4: Quality Education** – By promoting advanced research skills and practical learning.
- **SDG 8: Decent Work and Economic Growth** – By encouraging entrepreneurship and providing internships to enhance employability.
- **SDG 9: Industry, Innovation, and Infrastructure** – By fostering innovation and bridging academic research with industrial applications.

This initiative underscores MITS' commitment to holistic education, research excellence, and industry collaboration.