

MITS RADIO 90.8 MHz COMMUNITY RADIO STATION

Report on

“An Expert Interaction on Intellectual Property Rights (IPR) and Research Methodology”

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MITS Community Radio 90.8 organized an expert interaction program focusing on Intellectual Property Rights (IPR) and Research Methodology to enhance research awareness among students and young researchers. The program was conducted on 20 December 2025 and was moderated by RJ Narendra on behalf of MITS Community Radio 90.8. The session was attended by Sri. M. Narasimhacharlu, Community Radio Program Manager. The interaction featured two eminent academicians, Dr. Kumar Shanmugham and Dr. Bala Kumar Pitchai, who shared valuable insights on IPR, innovation, and research practices essential for academic and societal development.

Interaction with Dr. Kumar Shanmugham

Dr. Kumar Shanmugham briefly introduced himself as a Professor in the Department of Biotechnology at Periyar Institute of Technology. He has extensive experience in Intellectual Property Rights, particularly in the areas of patents and copyrights, which play a crucial role in protecting innovations and creative works.

Understanding Intellectual Property Rights (IPR)

Explaining the concept of IPR, Dr. Kumar Shanmugham stated that:

- Intellectual Property Rights are intangible assets.
- They protect original ideas, inventions, and creative outputs.
- IPR ensures recognition and legal protection for innovators and researchers.

Role of IPR in Engineering Innovation

On how engineering students can use IPR for innovation, he advised:

- Students should concentrate on patents and copyrights.
- Before selecting project topics, students must perform a patent search.
- Patent searches help identify research gaps and avoid duplication.
- Awareness of IPR encourages original and socially useful innovations.

Advice to Students

Dr. Kumar Shanmugham emphasized a balanced approach by stating:

- Academic performance and scoring good marks are important.
- At the same time, students should aim for contribution to society through innovation and research.

Interaction with Dr. Bala Kumar Pitchai

Research Journey

Dr. Bala Kumar Pitchai began by expressing his sincere gratitude to MIT Madanapalle, acknowledging the institution's support for academic and research initiatives.

Research Methodology Explained

He explained that research is an intellectual process and outlined the major types of research:

Types of Research:

1. Experimental Research
2. Descriptive Research
3. Exploratory Research

Types of Reasoning in Research:

1. Deductive Reasoning
2. Inductive Reasoning
3. Objective Reasoning

He stressed that understanding research methodology is fundamental for producing quality and reliable research outcomes.

Guidance for Students from Non-IIT/NIT Institutions

Addressing students studying in institutions other than IITs and NITs, Dr. Bala Kumar Pitchai emphasized:

- How students study matters more than where they study.
- Students must clearly define a hypothesis before starting research.
- They should follow the SMART method (Specific, Measurable, Achievable, Relevant, Time-bound) in research planning.

Final Message to Students

In his concluding remarks, he advised students to:

- Engage in constructive and meaningful research.
- Aim to publish research outcomes in top-tier journals, particularly Q1 journals.
- Maintain ethical standards and originality in research work.

Role of MITS Community Radio 90.8

MITS Community Radio 90.8 played a key role in:

- Creating awareness on IPR and research culture
- Bridging the gap between experts and students
- Promoting research ethics and innovation
- Encouraging academic excellence and societal contribution

RJ Narendra effectively moderated the interaction, and Sri. M. Narasimhacharlu, Community Radio Program Manager, attended the program, ensuring its academic relevance and outreach. RJ Narendra expressed sincere thanks to both the resource persons for sharing their valuable insights. Sri. M. Narasimhacharlu, Community Radio Program Manager, attended the program on behalf of MITS Community Radio 90.8, contributing to its successful execution.

Conclusion

The expert interaction with Dr. Kumar Shanmugham and Dr. Bala Kumar Pitchai was a highly informative session that strengthened students' understanding of Intellectual Property Rights and Research Methodology. The program inspired students to pursue original research, protect their innovations, and aim for high-quality publications. MITS Community Radio 90.8 once again demonstrated its commitment to fostering a strong research and innovation culture.

Key Outcomes:

1. **Enhanced IPR Awareness:** Students gained clarity on patents, copyrights, and the importance of IPR in innovation.
2. **Research Skill Development:** Improved understanding of research types, methodologies, and reasoning approaches.
3. **Publication and Quality Orientation:** Motivation to conduct constructive research and publish in reputed journals.

Alignment with Sustainable Development Goals (SDGs)

The program aligns with the following **United Nations Sustainable Development Goals (SDGs)**:

SDG 4 – Quality Education

Promotes research skills, academic excellence, and intellectual development.

SDG 9 – Industry, Innovation, and Infrastructure

Encourages innovation, patent awareness, and protection of intellectual assets.

SDG 16 – Peace, Justice, and Strong Institutions

Supports ethical research practices and intellectual property governance.

Photo:

