



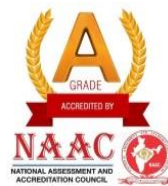
# J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

(AUTONOMOUS)

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3.2.2	<b>Number of workshops/seminars/conferences conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year (2023 - 2024)</b>
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SL.No.	Year	Name of the Workshop/Seminar	Page No
1	2023 - 2024	Seminar on Indian Scenario of Intellectual Property Rights	2
2		Workshop on Exploring Research Methodology in the Potential of IOT	4
3		Seminar on High-Performance Concrete For Sustainable Buildings	6
4		One Day Workshop and hands on Training on 3D Printing Technology	11
5		Seminar on the Importance of Networking for Entrepreneurs	14
6		Workshop on Industrial Power Electronics	16
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8		Seminar on The Expert Talk on the Entrepreneurial Journey	21
9		Workshop on Building Information Modeling (BIM)	24
10		Seminar on Enforcement of Intellectual Property Rights	29
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12		Seminar on Patent Law: Protecting Innovations in the Technical World	33
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## SUMMARY REPORT

Name of Department	DEPARTMENT OF AUTOMOBILE ENGG
Name of Event Organized	SEMINAR
Title of the Event	INDIAN SCENARIO OF INTELLECTUAL PROPERTY RIGHTS
Date of Event Organized	11-08-2023
No of Participants	50
Name of Chief Guest/Speakers	Mr.A.RAJA

**Description/Conclusion:** intellectual Property Rights (IPRs) are legal rights granted to creators and inventors to protect their innovations, works, or symbols. In India, IPR plays a crucial role in fostering innovation, creativity, and economic growth by safeguarding the rights of individuals and organizations. The Indian government has made significant progress in strengthening its IPR regime in recent decades by aligning with international norms and treaties such as the **WTO's TRIPS Agreement**. Various legislative reforms, policy initiatives, and infrastructure developments have improved IPR enforcement and awareness.

### **Challenges in IPR Protection in India**

1. **Lack of Awareness** – Many innovators, especially in rural areas, are unaware of IPR and its benefits.
2. **High Costs and Complex Procedures** – Filing and maintaining IPRs can be expensive and time-consuming.
3. **Enforcement Issues** – Despite legal provisions, enforcement is inconsistent, with delays in litigation and a lack of specialized courts.
4. **Piracy and Counterfeiting** – High rates of piracy, especially in software, media, and pharmaceuticals, remain a concern.

  
Program co-ordinator

  
HOD

  
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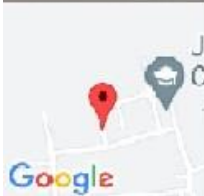


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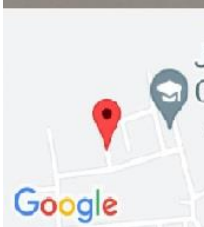
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Pic – INDIAN SCENARIO OF INTELLECTUAL PROPERTY RIGHTS: 11.8.2023



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## SUMMARY REPORT

Name of Event Organized	Workshop
Title of the Event	Workshop on Exploring Research Methodology in the Potential of IOT
Date of Event Organized	12.09.2023
No of Participants	50
Venue	ECE Smart Class
Name of Chief Guest/Speakers	Mr.N.Boovananthan, B.E. EEE., ETS Academy, Erode.

**Description/Conclusion:** The objective of this workshop is aimed to equip students with the essential research skills and methodologies needed to explore and contribute to the rapidly evolving field of the Internet of Things (IoT). The workshop started by introducing IoT as a dynamic and interdisciplinary research field, emphasizing its potential in transforming industries and everyday life through connected devices and systems. The fundamentals of research methodology were discussed, including literature review, hypothesis formation, data collection, analysis, and interpretation. Students learned how to approach research in IoT systematically and critically. Guidance was provided on how to identify and define relevant research problems in IoT, considering the current gaps, challenges, and opportunities in the field.

Students were taught how to design IoT-based systems and conduct experiments or simulations to evaluate the performance, security, and scalability of these systems. Emphasis was placed on the use of data analysis tools and techniques to analyze the large datasets generated by IoT systems. Real-world IoT research case studies were shared to highlight current trends and successful applications of IoT in different sectors like healthcare, smart cities, and industrial automation. By the end of the workshop, students gained a deeper understanding of how to approach IoT research, the methodologies involved and how to innovate and contribute to the growing field of IoT.

**Speaker details:** Mr.N.Boovananthan, B.E. EEE., ETS Academy, Erode. He possesses comprehensive knowledge across various technical and conceptual domains related to IoT, and have experience in applying this knowledge to real-world applications.

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Convenor

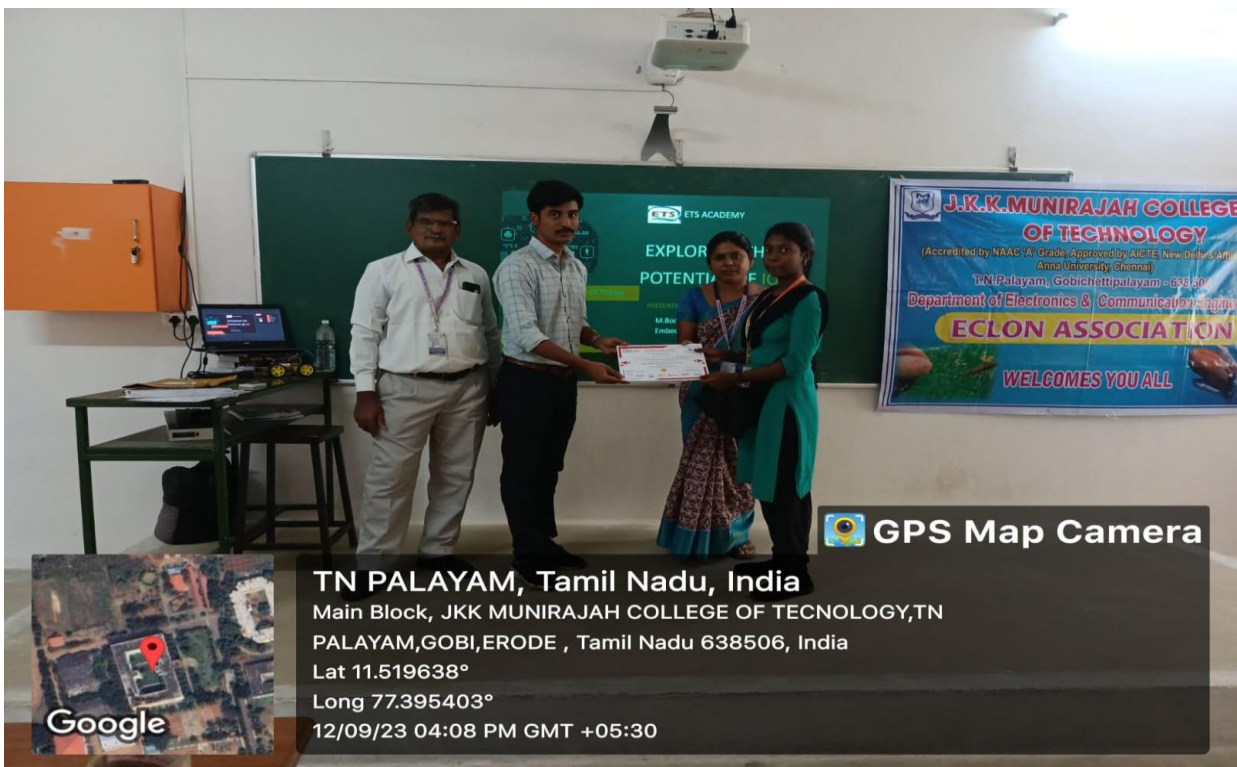


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Pic - Workshop on Exploring Research Methodology in the Potential of IOT on 12.09.2023



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## DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2023-2024

### RESOURCE PERSON DETAILS

NAME OF EVENT ORGANIZED	One Day Seminar
NAME OF CHIEF GUEST/SPEAKERS	Er.N.CHANDRASEKARAN ,M.E(Ph.d) SENIOR STRUCTURAL CONSULTANT ,NAC CONSULTANTS ,ERODE.
TITLE OF THE EVENT	"HIGH-PERFORMANCE CONCRETE FOR SUSTAINABLE BUILDINGS".
DATE OF EVENT ORGANIZED	13-09-2023
VENUE	JKKMCT - THIRD FLOOR SMART ROOM
NO OF PARTICIPANTS	11

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**DESCRIPTION:**

**ONE-DAY SEMINAR ON CIVIL HIGH-PERFORMANCE  
CONCRETE FOR SUSTAINABLE BUILDINGS**

The Department of Civil Engineering is thrilled to announce a one-day seminar on "**Civil High-Performance Concrete for Sustainable Buildings.**" This seminar is a platform for academic and professional enrichment, aimed at exploring the transformative potential of high-performance concrete (HPC) in modern construction. Scheduled for **Wednesday, 13 September 2023**, the event will take place at the Third Floor smart room, **JKKMCT Engineering Block**. Faculty members are cordially invited to participate and reap the benefits of this knowledge-sharing initiative.

**SEMINAR OVERVIEW**

Concrete, a cornerstone of the construction industry, has witnessed significant innovations over the years, with high-performance concrete emerging as a pivotal advancement. HPC is specifically engineered to provide enhanced strength, durability, and sustainability compared to conventional concrete. Its application addresses critical challenges in construction, including environmental impact, structural integrity, and long-term maintenance.

**The seminar will delve into the following key aspects:**

- **Properties of High-Performance Concrete:** Understanding its superior mechanical and chemical properties, including high compressive strength, reduced permeability, and enhanced resistance to environmental degradation.
- **Sustainability Impact:** Exploring how HPC contributes to sustainable construction through reduced carbon emissions, improved energy efficiency, and optimized material usage.

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- **Innovative Design Techniques:** Learning about advanced methods in the formulation and application of HPC, including the use of supplementary cementitious materials and admixtures.
- **Case Studies and Applications:** Highlighting successful implementations of HPC in landmark projects worldwide and their contributions to sustainable development goals.

### **OBJECTIVES OF THE SEMINAR**

The seminar aims to:

1. Provide participants with a comprehensive understanding of high-performance concrete and its role in modern construction.
2. Foster awareness about the environmental and economic advantages of adopting HPC in sustainable building practices.
3. Equip faculty members with practical insights and theoretical knowledge that can enhance teaching and research in civil engineering.
4. Facilitate networking opportunities and collaborations among attendees to promote innovative research and development in construction materials.

### **Who Should Attend?**

The seminar is designed for:

- Faculty members and researchers in civil engineering.
- Professionals and industry experts interested in sustainable construction.
- Individuals keen on learning about cutting-edge developments in construction materials.

Participation in this seminar will enable attendees to:

- Gain firsthand exposure to the latest trends and advancements in HPC technology.

  
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- Enhance their technical expertise and practical knowledge in sustainable construction methodologies.
- Collaborate with peers and industry experts to discuss future directions in civil engineering.

### **SEMINAR HIGHLIGHTS**

1. **Expert Presentations:** Renowned speakers from academia and industry will share their expertise on HPC, offering deep insights into its properties, benefits, and challenges.
2. **Interactive Discussions:** Attendees will have the opportunity to engage in thought-provoking discussions, exchange ideas, and pose questions to experts.
3. **Networking Opportunities:** The seminar will serve as a platform for building professional relationships and fostering collaborations in civil engineering research and practice.
4. **Resource Materials:** Participants will receive comprehensive resource materials, including presentation slides, technical notes, and access to case studies for future Reference.

### **CONCLUSION**

The adoption of high-performance concrete is a transformative step toward achieving sustainable development in the construction industry. By attending this seminar, faculty members will not only gain valuable knowledge but also contribute to promoting sustainable practices in education and professional work. The insights and resources acquired during this event are expected to have a lasting impact, empowering participants to drive innovation and excellence in their respective fields.

**Your active participation is highly encouraged. Let us come together to explore the possibilities of high-performance concrete and its role in shaping a sustainable future. We look forward to welcoming you to this enlightening seminar.**

  
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**Fig1-ONE-DAY SEMINAR ON CIVIL HIGH-PERFORMANCE CONCRETE FOR SUSTAINABLE BUILDINGS**



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## SUMMARY REPORT

Name of Event Organized	WORKSHOP
Title of the Event	ONE DAY WORKSHOP AND HANDS ON TRAINING ON 3D PRINTING TECHNOLOGY
Date of Event Organized	26.09.2023
No of Participants	48
Venue	MECHANICAL SMART CLASS
Name of Chief Guest/Speakers	SANDEEP KUMAR R. MANAGER – BUSINESSDEVELOPMENT INSTITUTE OF INDUSTRIAL DESIGN, SALEM

### SUMMARY:

This workshop was planned as one theoretical session and one practical session. A total of 48 students and six faculty members have participated in the workshop. The theory session was conducted by Mr. Sriranga Vasalu, Application Engineer, IID, Salem. He was well explained about 3D printing technology, applications, and materials used in 3D printing technology. The practical session and hands-on training were conducted by Mr. R. Sandeep Kumar, Manager, IID, Salem. He demonstrated the operation of a 3D printing machine and explained slicing software.

### OUTCOME:

- Students who learn 3D printing have the potential to become successful entrepreneurs. Here's how 3D printing skills can be leveraged to build a business
- Start a business offering rapid prototyping services to startups, inventors, and product designers.
- Short Runs 3D printing is ideal for small-scale production runs, perfect for niche markets.
- Eco-Friendly Production Market products as sustainable, using eco-friendly materials like PLA.
- Unique Creations Use 3D printing to produce innovative artwork or sculptures.
- Collaborations Work with architects, designers, or galleries to showcase and sell 3D-printed art.
- Students physically learned and trained about 3D printing machine operations by hands-on training

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### Speaker details

Sandeep Kumar R. He is the Managing Director and Vice Chairman as the Manager – Business Development Institute of Industrial Design, Salem, Tamil Nadu, India and , which is amongst the top industrial houses in salem. This renowned group was established by his father K.C.Ramasamy in salem, Sandeep Kumar is interested in educational issues and sports and thus, Core HR expertise in behavioral science to ensure that the manpower reflects the organisation as a Knowledge organization. Develop and accurate Content Management using Instructional Design methodology. Both Technical and non-Technical. Develop an Assessment test for corrective action.

  
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**Pic- ONE DAY WORKSHOP AND HANDS ON TRAINING ON 3D PRINTING TECHNOLOGY 26.09.2023**



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### REPORT OF THE EVENT

The Importance of Networking for Entrepreneurs organized by Department of Information Technology, Jkk Munirajah College of Technology on 17.10.2023 through Offline mode. The aim of the Seminar is to create knowledge among the participants about Entrepreneurship Development .The total no of participants is 21 Students.

**Dr. N.Sathyabalaji**, Associate Professor and Head, Department of Computer Science and Engineering, Delivered the welcome address and he extended his warm welcome to the resource person and Participants.

The presidential address was given by **Dr.K.Sridharan**, Principal, Jkk Munirajah College of Technology. Further, he highlighted the importance of Entrepreneurship Development on Employment Generation.

**Dr.G.ABHIJIT**, Max Aqua Tech Solutions, Coimbatore, played Chief Guest role and he delivered the importance Entrepreneurship Development on Employment Generation .He clearly explained The Importance of Networking for Entrepreneurs on Employment Generation. The Seminar was very useful and fashionable by participants from the students.

The Seminar session ended with intensive interaction with the Participants and all the queries were answered by **Dr.G.ABHIJIT**, Max Aqua Tech Solutions, and Coimbatore.

The program was successfully completed with vote of thanks by **Mr.E.Ananth**, Assistant professor, Department of Computer Science and Engineering.

  
PROGRAM COORDINATOR

  
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## PHOTOS OF THE EVENT



**PIC:** Seminar on The Importance of Networking for Entrepreneurs

On 17.10.2023



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### SUMMARY REPORT

Name of Event Organized	Workshop
Title of the Event	Workshop on Industrial Power Electronics
Date of Event Organized	18.10.2023 & 19.10.2023
No of Participants	60
Venue	Seminar Hall
Name of Chief Guest/Speakers	Mr. M. Pharthiban, ME., Technical Manager Caliber Embedded India Pvt. Ltd, Salem.

#### **Description/Conclusion:**

The Industrial Power Electronics Workshop is an engaging and practical learning experience designed to explore the principles, devices, and applications of power electronics in industrial settings. This workshop caters to engineers, students, and professionals seeking to understand how power electronic systems drive efficiency, reliability, and innovation in industries such as manufacturing, automation, and renewable energy.

Participants will delve into the design and operation of power electronic converters, motor drives, and energy systems, with a focus on both foundational concepts and cutting-edge technologies. Through a combination of interactive lectures, hands-on activities, and real-world case studies, attendees will gain valuable skills and insights into the role of power electronics in transforming industrial operations.

**Speaker details:** Mr. M. Pharthiban, ME., Technical Manager., Caliber Embedded India Pvt. Ltd Salem. He possesses comprehensive knowledge across various technical and conceptual domains related to industrial power electronics and have experience in applying this knowledge to real-world applications.

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## PHOTOS OF THE EVENT



Pic: Workshop on Industrial Power Electronics 18.10.2023&19.10.2023



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## REPORT OF THE EVENT

**Seminar of The Entrepreneurial Awareness** organized by Department of Management, Jkk Munirajah College of Technology on **09.11.2023**. The aim of the seminar is to create knowledge among the participants about to create The Entrepreneurial Awareness, the total no of participants is 82 Students.

**Mr. Prasanth**, Assistant Professor Department of Management, Delivered the welcome address and he extended his warm welcome to the resource person and Participants.

The presidential address was given by **Dr.K.Sridharan**, Principal, and Jkk Munirajah College of Technology. Further, he highlighted the branding strategies of entrepreneurship.

**Mr. Vadivel**, Professor and Head, Department of Management. Jkk Munirajah College of Technology, played Chief Guest role and he delivered about **The Entrepreneurial Awareness**. He encourage students and detailing about **The Entrepreneurial Awareness**. The seminar was very useful and fashionable by participants from the students.

The seminar session ended with intensive interaction with the Participants and all the queries were **Mr. Vadivel**, Professor and Head, Department of Management, Jkk Munirajah College of Technology

The program was successfully completed with vote of thanks by **Mr. Siva Kumar**, Assistant professor, Department of management.

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### Description/Conclusion:

The seminar on The Entrepreneurial Awareness emphasized the importance of fostering an entrepreneurial mindset and the pivotal role entrepreneurship plays in driving innovation, economic growth, and social development. Participants gained insights into identifying opportunities, overcoming challenges, and leveraging creativity for business success.

Through interactive sessions, case studies, and expert talks, the seminar shed light on the essential skills required to become a successful entrepreneur, including risk management, strategic thinking, adaptability, and resilience. Key topics such as business planning, resource mobilization, market analysis, and technological integration were also addressed.

The seminar concluded with a call to action for aspiring entrepreneurs to embrace continuous learning, ethical practices, and a vision-driven approach. By nurturing a proactive and problem-solving attitude, individuals can not only create value for themselves but also contribute significantly to society and the global economy.

Participants left the seminar inspired, equipped with practical knowledge, and motivated to take their entrepreneurial aspirations to the next level.

**PROGRAM COORDINATOR**

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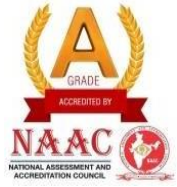


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## PHOTOS OF THE EVENT



Pic: Seminar of the Entrepreneurial Awareness 09.11.2023



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## REPORT OF THE EVENT

**Seminar** The Expert Talk on the Entrepreneurial Journey organized by Department of Management, Jkk Munirajah College of Technology on **13.11.2023**. The aim of the seminar is to create knowledge among the participants about entrepreneurship the total no of participants is 82 Students.

**Mr. Vadivel**, Professor and Head, Department of Management, Delivered the welcome address and he extended his warm welcome to the resource person and Participants.

The presidential address was given by **Dr.K.Sridharan**, Principal, and Jkk Munirajah College of Technology. Further, he highlighted the branding strategies of entrepreneurship.

**Mr. P.MOHAN B. Tech (IT) B.E., Founder of Lakshmi Krishna Naturals.**, played Chief Guest role and he delivered about shared personal experiences and strategies, offering valuable advice to the students. He encourage students and detailing about Entrepreneurial Journey. The seminar was very useful and fashionable by participants from the students.

The seminar session ended with intensive interaction with the Participants and all the queries were Mr. P.MOHAN B. Tech (IT) B.E., Founder of **Lakshmi Krishna Naturals**.

The program was successfully completed with vote of thanks by **Mr. Siva Kumar**, Assistant professor, Department of management.

  
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### **Description/Conclusion:**

The seminar, "Expert Talk on the Entrepreneurial Journey," aimed to inspire and guide students on the path of entrepreneurship. It featured a distinguished speaker with a wealth of experience in launching and growing successful ventures. The session delved into critical aspects of entrepreneurship, including ideation, planning, risk management, and sustaining growth in competitive markets. The speaker shared real-life examples and personal anecdotes, making the discussion relatable and engaging for the student.

The seminar also highlighted key entrepreneurial skills such as innovation, resilience, strategic decision-making, and leadership. Students gained valuable insights into overcoming challenges, leveraging opportunities, and staying committed to their vision. The interactive Q&A session allowed students to clarify doubts, discuss ideas, and learn from the expert's practical knowledge.

The seminar concluded on an empowering note, encouraging students to embrace an entrepreneurial mindset and take proactive steps toward their ambitions. Students left with a deeper understanding of the entrepreneurial journey and practical tools to turn their ideas into reality. Overall, the seminar was a resounding success, fostering enthusiasm and confidence among the participants to explore the exciting and rewarding world of entrepreneurship.

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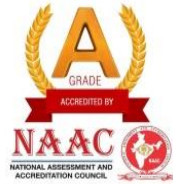


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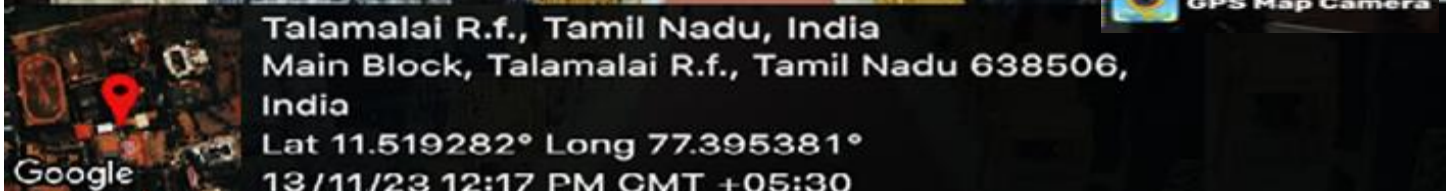
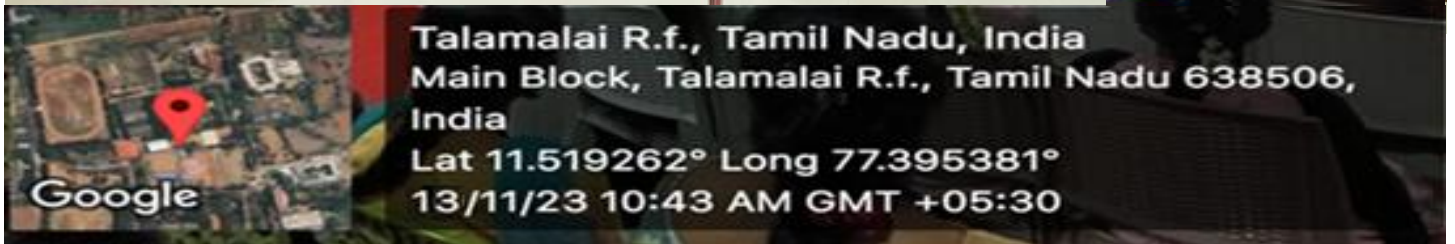
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## PHOTOS OF THE EVENT



Pic: Seminar on Expert Talk on the Entrepreneurial Journey on 13.11.2023



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**DEPARTMENT OF CIVIL ENGINEERING**

**ACADEMIC YEAR 2023-2024**

**RESOURCE PERSON DETAILS**

<b>NAME OF EVENT ORGANIZED</b>	<b>ONE DAY WORKSHOP</b>
<b>NAME OF CHIEF GUEST/SPEAKERS</b>	<b>Er.K.G. ASHOKKUMAR, SOUVENIR COMMITTEE, ERODE DT CIVIL ENGINEERS ASSOCIATION</b>
<b>TITLE OF THE EVENT</b>	<b>BUILDING INFORMATION MODELING (BIM)</b>
<b>DATE OF EVENT ORGANIZED</b>	<b>20-11-2023</b>
<b>VENUE</b>	<b>JKKMCT -SEMINAR HALL</b>
<b>NO OF PARTICIPANTS</b>	<b>10</b>

**Principal  
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T.N.Palayam, Gobi (Tk),  
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## **DESCRIPTION:**

**ONE-DAY WORKSHOP ON CIVIL BUILDING INFORMATION MODELING (BIM)**

**ORGANIZED BY THE DEPARTMENT OF CIVIL ENGINEERING DATE 20 TH NOVEMBER 2023**

**VENUE: GROUND FLOOR SEMINAR HALL, JKKMCT ENGINEERING BLOCK**

## **WORKSHOP OVERVIEW**

The one-day workshop on Building Information Modeling (BIM), organized by the Department of Civil Engineering at JKKMCT, successfully brought together faculty members, engineers, and researchers to delve into the latest advancements in construction technology. BIM, as a revolutionary tool, continues to reshape the construction industry by enhancing collaboration, reducing errors, and improving efficiency in the design, construction, and operation of buildings.

This workshop was aimed at providing participants with a deeper understanding of the fundamental principles of BIM, its applications in civil engineering, and its critical role in modern, sustainable construction practices. The sessions were meticulously designed to not only familiarize attendees with the theoretical aspects of BIM but also to offer hands-on experience with BIM software tools, showcasing their practical applications in real-world scenarios.

## **Key Take aways**

### **Introduction to BIM**

The workshop commenced with an introductory session on BIM, where participants learned about its core features and functionality. Experts discussed how BIM integrates multiple dimensions, including 3D modeling, time management (4D), cost management (5D), and sustainability considerations (6D), making it a comprehensive tool for efficient project management.



## **Applications of BIM in Civil Engineering**

Throughout the sessions, it became evident that BIM is not limited to building design alone. It is a multi-faceted approach that plays a crucial role in various aspects of civil engineering, from design and construction to operation and maintenance. Participants explored several real-world case studies where BIM has been successfully implemented, improving project timelines, budget management, and overall quality.

The role of BIM in sustainable construction practices was also emphasized. The technology's ability to integrate energy analysis, material selection, and waste reduction practices in the design phase aligns with the growing demand for environmentally conscious building solutions.

### **Hands-on Training with BIM Software**

One of the key highlights of the workshop was the hands-on session where participants actively engaged with leading BIM software platforms. By working through practical exercises, participants gained valuable skills in creating 3D models, simulating construction processes, and performing clash detection to identify design inconsistencies. These activities helped reinforce the theoretical knowledge gained earlier in the day and provided participants with the confidence to use BIM tools in future projects.

### **Challenges and Future Trends in BIM**

The workshop also addressed the challenges associated with the implementation of BIM. These included the initial cost of software, the learning curve for staff, and the need for seamless collaboration between stakeholders. However, the discussion also highlighted the future trends in BIM, such as its integration with the Internet of Things (IoT) for smart buildings and cities, and the increasing use of Artificial Intelligence (AI) and Machine Learning (ML) to optimize BIM processes further.



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engineers remain at the forefront of sustainable, efficient, and collaborative design and construction processes.

In conclusion, this workshop has not only enhanced our collective understanding of BIM but has also ignited a renewed sense of enthusiasm for its potential to revolutionize the civil engineering field. The Department of Civil Engineering looks forward to organizing more such sessions that bridge the gap between emerging technologies and their practical applications in the construction industry.

We sincerely thank all participants, speakers, and organizers for their contributions, making this event a great success. We anticipate that the knowledge shared here will continue to inspire innovation and foster the adoption of BIM across all sectors of civil engineering.

**CO-ORDINATOR**

**HOD**

**Principal**

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***Fig 1 - ONE-DAY WORKSHOP ON CIVIL BUILDING INFORMATION MODELING (BIM)***

**20-11-2023**



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## SUMMARY REPORT

Name of Event Organized	Seminar
Title of the Event	Seminar on Enforcement of Intellectual Property Rights
Date of Event Organized	23.11.2023
No of Participants	49
Venue	ECE Smart Class
Name of Chief Guest/Speakers	Dr.P.Tamilvani, Associate Professor, MPNMJ Engineering College, Chennimalai.

### Description/Conclusion:

A Seminar on the Enforcement of Intellectual Property Rights (IPR) typically focuses on the legal frameworks, processes and challenges related to the protection and enforcement of intellectual property (IP) globally and locally. The seminar begins by defining intellectual property and its types (patents, copyrights, trademarks, trade secrets). Overview of the legal frameworks governing IPR, including international treaties such as the Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), WIPO (World Intellectual Property Organization), and national laws that varies from country to country. The enforcement of Intellectual Property Rights (IPR) is a critical concern for businesses, creators and governments worldwide. While IPR plays a vital role in protecting innovations and ensuring fair competition, enforcing these rights presents various challenges due to technological advancements, international complexities and evolving legal frameworks.

The seminar concludes with a summary of key takeaways about the importance of effective IPR enforcement and the evolving landscape of intellectual property protection. The session may also provide resources, such as guides on how to protect IP, seek enforcement and collaborate with legal professionals. The seminar will offer both theoretical knowledge and practical insights into the complexities and significance of intellectual property enforcement in today's global economy.

**Speaker details:** Dr.P.Tamilvani, Associate Professor, MPNMJ Engineering College, Chennimalai. She has deep expertise in intellectual property law, enforcement strategies and relevant technologies.

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**Convenor**

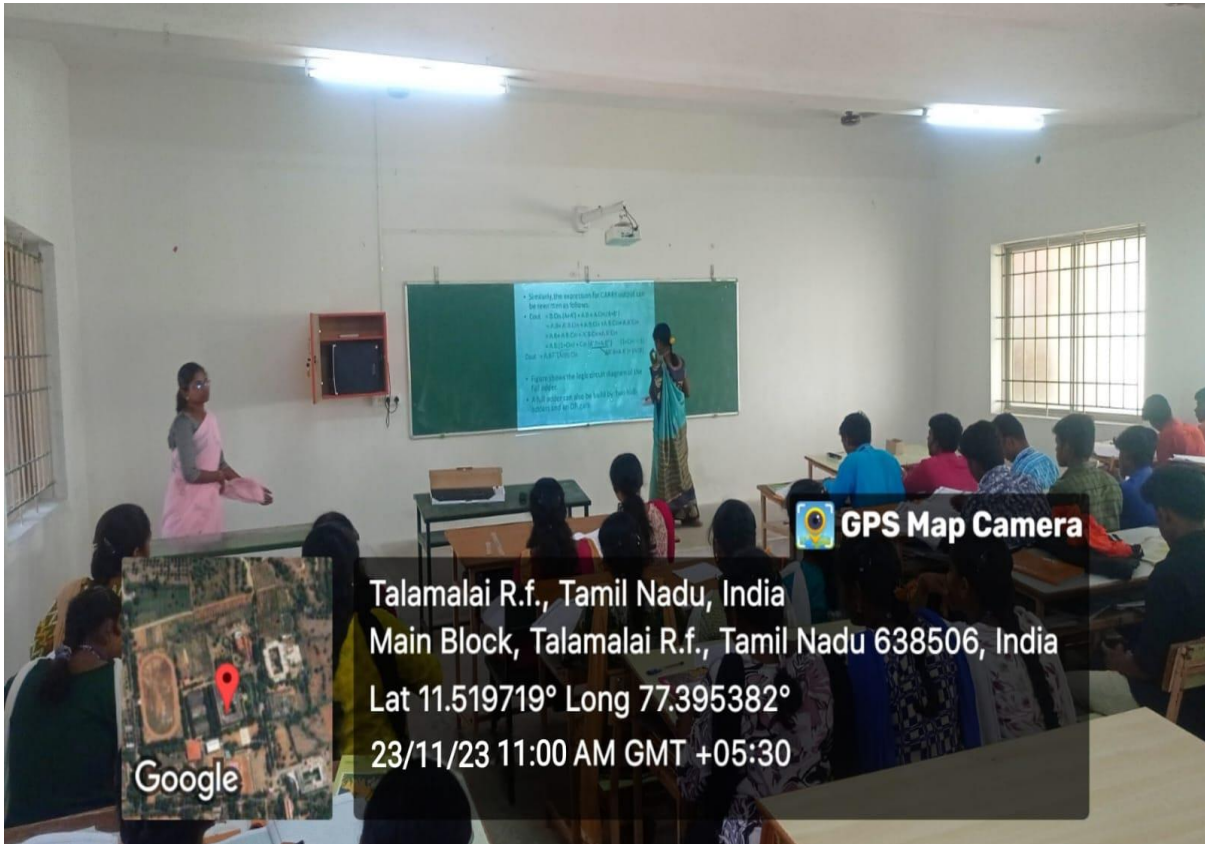


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**Pic - Seminar on Enforcement of Intellectual Property Rights on 23.11.2023**



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## SUMMARY REPORT

Name of Event Organized	Seminar
Title of the Event	IoT Applications for Recent Trends
Date of Event Organized	27.11.2023
No of Participants	60
Venue	Seminar Hall
Name of Chief Guest/Speakers	Dr. K. Selvakumar, ME., National Executive Council Member, ISTE New Delhi.

### Description/Conclusion:

The seminar "*IoT Applications for Recent Trends*" was organized to provide insights into emerging technologies and their impact on the engineering landscape. The event aimed to empower participants with knowledge about cutting-edge advancements and their potential applications in various engineering fields. Dr. K. Selvakumar, ME., National Executive Council Member, ISTE New Delhi, who provided a comprehensive overview of future technologies such as Artificial Intelligence, IoT, Blockchain, and Quantum Computing. Participants engaged actively with the speakers, raising questions about career opportunities, ethical considerations, and the societal impact of emerging technologies. Participants gained a deeper understanding of the latest technological trends and their implications for engineering careers. Highlighted the importance of up skilling in domains like programming, data analysis, and system design to harness these technologies effectively.

### Speaker details:

Dr. K. Selvakumar, ME., National Executive Council Member, ISTE New Delhi. A visionary electrical engineering professional with 22+ years of trans-formative experience in technology innovation, industrial automation, and skill development. Proven track record of designing cutting-edge solutions in electric vehicles, Industrial IoT (IoT) & Industry 4, 0battery technologies, and advanced manufacturing systems. Dedicated mentor who has empowered over 1,000 young engineers and consistently driven technological advancement across multiple domains.

  
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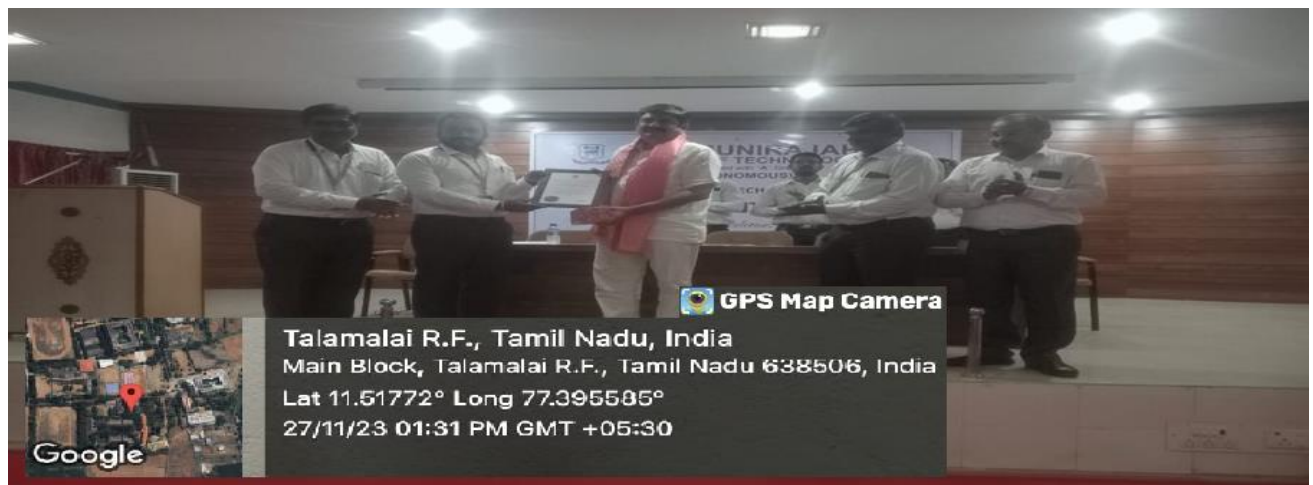
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## *PHOTOS OF THE EVENT*



*Pic: Seminar on IoT Applications for Recent Trends 27.11.2023*





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**REPORT OF THE EVENT**

Seminar on Patent Law: Protecting Innovations In The Technical World organized by Department of Computer Science and Engineering, Jkk Munirajah College of Technology on 07.02.24 through Offline mode. The aim of the Seminar is to create knowledge among the participants about Patent File. The total no of participants is 29 Students.

**Dr. N.Sathyabalaji**, Associate Professor and Head, Department of Computer Science and Engineering, Delivered the welcome address and he extended his warm welcome to the resource person and Participants.

The presidential address was given by **Dr.K.Sridharan**, Principal, Jkk Munirajah College of Technology. Further, he highlighted the importance of Intellectual Property Rights.

**Dr.T.Praveen Kumar**, Henry Carvin Education, Coimbatore, played Chief Guest role and he delivered the importance of Intellectual Property Rights. He clearly explained the How to Protect Innovations in Technical World. The Seminar was very useful and fashionable by participants from the students.

The Seminar session ended with intensive interaction with the Participants and all the queries were answered by **Dr.T.Praveen Kumar**, Henry Carvin Education, Coimbatore.

The program was successfully completed with vote of thanks by **Mrs.P.Sasireka** Assistant professor, Department of Computer Science and Engineering.

*S. Suchakal*  
**PROGRAM COORDINATOR**

*[Signature]*  
**HOD**

*[Signature]*  
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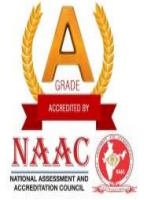


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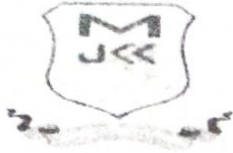
T.N. Palayam (Po), Gobi (Tk), Erode (Dt) – 638 506



## PHOTOS OF THE EVENT



PIC: Seminar on Patent Law: Protecting Innovations In The Technical World” on 07.02.2024.



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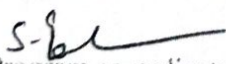
**SUMMARY REPORT**

Name of Department	DEPARTMENT OF AUTOMOBILE ENGG
Name of Event Organized	NATIONAL LEVEL WORKSHOP
Title of the Event	RESEARCH METHODOLOGY CONCEPTUAL AND EMPIRICAL RESEARCH
Date of Event Organized	20-02-2024
No of Participants	40
Venue	Seminar hall
Name of Chief Guest/Speakers	Dr.V.Sethuramalingam

**Description/Conclusion:** Research is a systematic process of inquiry aimed at expanding knowledge, solving problems, and supporting decision-making across various fields of study. It serves as the backbone of scientific advancement and practical innovation. Among the many forms of research, two of the most fundamental types are **conceptual research** and **empirical research**. These two approaches differ in their methodologies, objectives, and outcomes, yet they are often interconnected.

**Conceptual research** focuses on theoretical exploration and the development of new ideas, frameworks, and models. It is concerned with understanding concepts in depth and establishing relationships between them. By providing clarity and a strong theoretical foundation, conceptual research lays the groundwork for further empirical investigations.

**Empirical research**, in contrast, is grounded in the real world. It involves the collection and analysis of data through observation, experimentation, and direct experience. Empirical research seeks to validate theories, test hypotheses, or explore phenomena by relying on measurable evidence. Together, conceptual and empirical research form a complementary cycle in the pursuit of knowledge. Conceptual research proposes theories and ideas, while empirical research validates or refines them through data-driven methods

  
Program co-ordinator

  
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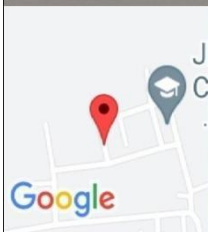
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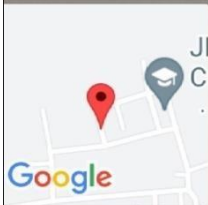
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**JKK MUNIRAJAH COLLEGE OF TECHNOLOGY**  
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GPS Map Camera



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**PIC : WORKSHOP ON CONCEPTUAL AND EMPIRICAL RESEARCH -20.2.2024**



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**SUMMARY REPORT**

Name of Event Organized	SEMINAR
Title of the Event	SEMINAR ON RECENT TRENDS IN GREEN POWER TECHNOLOGY
Date of Event Organized	28.03.2024
No of Participants	82
Venue	MECHANICAL SMART CLASS
Name of Chief Guest/Speakers	DR. MUTHUKUMAR MARAPPAN. Department of Mechanical Engineering Nandha Engineering College, Erode-638052, Tamil Nadu, India

**SUMMARY:**

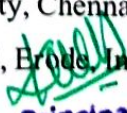
This seminar was planned as theoretical session. A total of 50 students and two faculties' members have participated in this seminar. He was well explained about basics of fuel cells technology, various types of fuel cells, working principles, Hydrogen fuel cells availability in India and other countries and its applications. And also practically explained about the working of fuel cell with prototype model. He was well interacted with students and asks various questions and delivers the answers.

**OUTCOME:**

Students learned about the fuel cells technology, Builds knowledge on the Hydrogen fuel cells technology and applications of fuel cells technology, Students understand of current advancement and different types of fuel cells technology used in automobiles, industries etc.

**Speakerdetails**


Dr. Muthukumar Marappan is working as the Professor of Mechanical Engineering in Nandha Engineering College, Erode, Tamil Nadu, India and the Head of Fuel Cell Research Lab. He received his Bachelor's and Master's degrees in the Stream of Mechanical Engineering from the Bharathiar University and Anna University in 1999 and 2004 respectively. He completed his Ph.D. degree in PSG College of Technology, Coimbatore, under Anna University, Chennai, India in 2016. He worked as an Assistant Production Engineer in Agni Steels Limited, Erode, India. He is having more than 22 years of teaching experience in Engineering colleges.

  
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He received Best Outstanding Faculty Award, Best Researcher Award and Centum Producer awards. He received the research project grant of 40 Lakhs from funding agencies like AICTE and MSME. He received 5 Patents and published more than 38 papers in peer reviewed journals. Also he presented more than 52 papers in International and National conferences. He published Tamil book on HERITAGE OF TAMIL. He is the life member of IE, ISTE and ISSE.

  
Coordinator

  
HOD

  
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Pic- SEMINAR ON RECENT TRENDS IN GREEN POWER TECHNOLOGY 28.03.2024



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**REPORT OF THE EVENT**

Seminar on Government Funding and Policy for Research and Development organized by Department of Computer Science and Engineering and Information Technology, Jkk Munirajah College of Technology on **05.04.2024** through Offline mode. The aim of the seminar is to create knowledge among the participants about Research Paper. The total no of participants is 44 Students.

**Dr. N.Sathyabalaji**, Associate Professor and Head, Department of Computer Science and Engineering, Delivered the welcome address and he extended his warm welcome to the resource person and Participants.


The presidential address was given by **Dr.K.Sridharan**, Principal, and Jkk Munirajah College of Technology. Further, he highlighted the importance of Research Methodology.

**Dr.A.Prasanth**, Denave, Coimbatore, Coimbatore played Chief Guest role and he delivered the importance of Data Processing and Research Methodology. He clearly explained detail about Government Funding and Policy for Research and Development. The seminar was very useful and fashionable by participants from the students.

The seminar session ended with intensive interaction with the Participants and all the queries were answered by **Dr.A.Prasanth**, Denave, and Coimbatore.

The program was successfully completed with vote of thanks by **Mrs.S.Tharani** Assistant professor, Department of Computer Science and Engineering.

  
**PROGRAM COORDINATOR**

  
**Principal**  
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## PHOTOS OF THE EVENT



PIC: Seminar on Government Funding and Policy for Research and Development on 05.04.2024