



Deccan Education Society's

NAVINCHANDRA MEHTA INSTITUTE OF TECHNOLOGY AND DEVELOPMENT

DES Mumbai Campus, Kirti College Road, Off- Veer Sawarkar Marg, Dadar (W), Mumbai-400 028.
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Ref. No. _____

Date 11-12-2023

Title of the Workshop: "Generative AI in Education and Research "
Date: 2nd December, 2023 at 10:00 a.m. to 05:00 p.m.
Resource Persons: Mr. Rajendra Patil, In-charge Principal, Leela College of Commerce and Economics; Mr. Mahendra Kane, Siemens, Ltd.
Venus: Offline workshop at DES's NMITD, Computer Lab 1.

Artificial Intelligence, or AI, is spreading more and more in different areas, like higher education. AI is always changing, and it's important for everyone to keep up. In colleges and universities, AI is essential for things like personalized learning, computerized tests, smart education systems, and helping teachers. These applications provide support that saves money and improves learning outcomes.

Library Department and IQAC of Deccan Education Society's Navinchandra Mehta Institute of Technology and Development had organised One Day National Level Offline Workshop on "Generative AI in Education and Research". The fees for attending the workshop was Rs. 500.00. 42 participants had applied for the workshop. 49 participants attended the workshop. in-house participants had applied for this webinar.

Aim or Purpose of the workshop:

The primary aim of the Generative AI in Education and Research workshop was to familiarize participants with the applications and potential impact of generative artificial intelligence (AI) in the realms of education and research. The workshop wanted to bridge the gap between theoretical understanding and practical implementation, enabling participants to harness the power of generative AI in their respective fields.

Participants were introduced to the fundamental concepts of generative AI, including neural networks, natural language processing, and machine learning algorithms in layman's terms.

Learning Objectives:

1. Understanding Generative AI Concepts: Participants were introduced to the fundamental concepts of generative AI, including neural networks, natural language processing, and machine learning algorithms.
2. Application in Education: The workshop aimed to demonstrate how generative AI can enhance educational practices, such as content creation, personalized learning, and automated assessment.
3. Research Integration: Participants learned how generative AI can be integrated into research processes, including data analysis, hypothesis generation, and experimental design.
4. Hands-on Experience: Practical sessions allowed participants to engage with generative AI tools, fostering a hands-on understanding of their capabilities.



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Participants:

A total of 41 participants attended the workshop, representing diverse backgrounds including educators, researchers, professionals from library and the technology sector. This diverse group contributed to rich discussions and cross-disciplinary insights. The participants actively engaged in discussions, and practical exercises, creating a collaborative learning environment.

Discussions and training activities:

The IQAC and Library Department collaborated to organize a national offline library workshop that took place for one day. Dr. Shamala Muzumdar, the Librarian, started the workshop with some opening remarks. The In-charge Director, Dr. Anita Bobade, welcomed the participants and provided information about the DES Organization and DES's NMITD library department. Dr. Shamala Muzumdar introduced the main speakers, Dr. Rajendra Patil, In-charge Principal of Leela College of Commerce and Economics, Mumbai, and Mr. Mahendra Kane from Siemens Ltd.

The workshop was conducted into two sessions wherein Dr. Rajendra Kumbhar took first session. He covered the following topics in his pre-lunch session:

- Generative AI and Machine Learning .
- AI Tools for content creation in Research.
- AI tools in administration.
- Power BI for data Visualisation.

Mr. Mahendra Kane covered Business Process Automation with 'Power Automate' by explaining Microsoft Office 365 functionalities, wherein he covered following topics in his post-lunch session:

- Tools for automation of business processes
- Structure of Power automation flow.
- Practice task.

Mr. Sunil Jadhav served as the Technical Adviser for the webinar. The question and answer session was led by Dr. Leena Sonavane. At the end of the workshop, Asst. Professor MCA, Mr. Ganesh Bhagwat delivered a vote of thanks.

Feedback of the Participants :

The feedback forms received from twenty-eight participants, who strongly agree on the following points:

1. 57.14% of participants strongly agree that the duration of the workshop was just right.
2. 67.85% of participants strongly agree that the workshop was well organized.
3. 67.85% of participants strongly agree that the information and / or skills presented were relevant and useful.
4. 50% of participants strongly agree that the workshop objectives were stated clearly and met satisfactorily.



Anita Bobade
In-Charge Director
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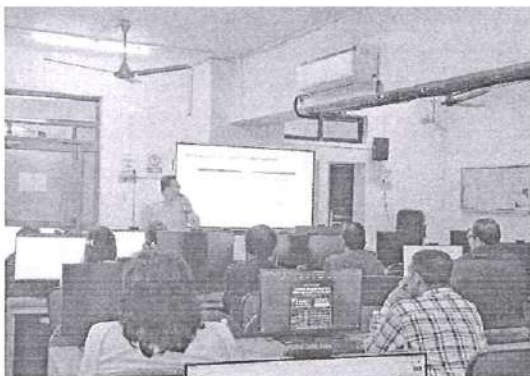
5. 71.42% of participants strongly agree that the resource person was Knowledgeable, effective communicator and gave useful tips which were helpful.
6. 50% of participants strongly agree that the person provided adequate time for questions and answered them satisfactorily.
7. 50% of participants strongly agree that the workshop was interactive.
8. 86.4% of participants noted that their overall experience of the workshop was excellent.

The participants had suggested the following leading topics for future library workshops:

- i. Use of AI in library automation
- ii. Interactive online library
- iii. Electronic Resource Management
- iv. Bibliometric
- v. Research proposal writing
- vi. Interactive online library
- vii. Machine learning
- viii. Skills required for librarian in future
- ix. Dedicated workshop on AI like chatgpt and others AI tools
- x.

Conclusion:

The workshop successfully achieved its objectives by providing participants with a comprehensive understanding of generative AI and its applications in education and research. Through interactive sessions, participants gained practical experience and explored potential uses in their respective domains. The diversity of attendees fostered a dynamic exchange of ideas and highlighted the broad relevance of generative AI. As a result, the workshop concluded with participants expressing enthusiasm about incorporating generative AI into their educational and research practices, recognizing its transformative potential in shaping the future of these fields.



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Date 18-09-2023

Report on FDP on IKS

DES's Kirti M Doongursee College of Arts, Science, Commerce (Autonomous) and DES's NMITD organized Six Day International Online FDP on Indian Knowledge Systems for Under Graduate and Post Graduate Teachers

Date: 4th to 9th September 2023

No of Participants: 234 (including International Participants from UK, UAE, Singapore)

Resource Persons for the FDP

1. Prof. R D Kulkarni, Hon'ble Vice Chancellor, University of Mumbai.
2. Prof P Kanagasabapathy, Professor and Former Director, Tamil Nadu Institute of UrbanStudies, Coimbatore
3. Prof Bishnu Mohan Dash, Professor, B R AMBEDKAR COLLEGE, Delhi University
4. Prof S Agarkar, Professor and Dean, VPM'S Academy of International Education andResearch
5. Prof Jaysankaran, Former VC, SCSVMV KANCHI UNIVERSITY
6. Prof. Manoj Tiwari, Director, IIM, Vice Chancellor, TISS

Prof. R. D Kulkarni Sir, elaborated on "Rsayana Shastra in Ancient India" referred to the subject of Chemistry based on the chemical activities involved in biological and inorganic processes. It was also called Rasatantra, Rasa Kriya or Rasa Vidya roughly translating to 'Science of Liquids'. "Rasa" in ayurvedic terminology refers to mercury and Rasashastra exclusively deals with the treatment using mercury and its compounds. It is well known that science and technology in ancient and medieval India covered all the major branches of human knowledge and activities, including mathematics, astronomy, physics, chemistry, medical science and surgery etc.



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He further, elaborated that, the earliest evidence of chemical knowledge possessed by the ancient Indians in the prehistoric age has been brought to light by the findings of archaeological excavations in Baluchistan, Sindh and Punjab. The ruins of the Indus Valley Civilization that have been unearthed at in these areas furnish much information about the chemical knowledge acquired by the Indus Valley people, particularly with reference to the practical arts like pottery, brick-making, and extraction and working of metals.

Prof P Kanagasabapathy, Professor and Former Director, Tamil Nadu Institute of Urban Studies, Coimbatore, spoke on ‘ Ancient Indian Models of Business, Trade and Economics’. He gives masterly analysis of not only the Indian economic, business and management models, but also the popular economic, business and management models of the other countries. Prof. Kanagasabapathy, asserted that a paradigm shift in thinking is

urgently needed to understand the ground realities and the functioning Indian systems, so that the country could be taken forward with the necessary orientation and suitable policies.

Prof Bishnu Mohan Dash, Professor, B R AMBEDKAR COLLEGE, Delhi University Spoke on “ Bharatiyakaran of Social Work”. Dr. Dash believed that, Euro-centric scholars in social work in India still maintain the status quo and have completely sidelined the Indicwisdom and Indian knowledge systems in the field of social work. Despite numerous attemptsby UGC to indigenize the curriculum, it still remained Euro-American centric. Bharatiyakaran of Social Work is absolutely an integrated, inclusive and holistic curriculum has to be adoptedamong the social work institutions of India, which will definitely enhance their skills andpotentials and help them effectively to contribute to achieve Vikshit Bharat and to establish anaspiring India, one that advances and reasserts herself as a Vishwaguru, a leader of humanity.

Prof S Agarkar, Professor and Dean, VPM'S Academy of International Education and Research, spoke on “ Vedic Maths in Modern Era”. he ancient Indian system of calculation skills known as Vedic Maths was created in 1957 using 16-word equations and a few sub-formulae. In competitive exams, it might be challenging for students to efficiently complete the aptitude questions in the allotted time. Students understand the problem but are unable to speed up the computation process, which is required to solve any arithmetic, algebraic, geometry, or trigonometry problem. A scholar of Sanskrit, mathematics, and philosophy named Jagadguru Sri Bharathi Krishna Thirthaji Maharaja first uncovered Vedic



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mathematics from Indian scriptures between 1911 and 1918, and he completed its development in 1957. All the arithmetic operations will reduce the burden of competitive examinations reasoning problems and also students can be able to solve more problems within a short duration of time. It improves concentration and logical thinking. Problem-solving and the handling of data, numbers, and information are two aspects of mathematics. Math requires three primary brain processes executive control, data organisation, and information storage. in brain's different region different functions are executed during maths. The computation and processing of numbers are primarily handled by the parietal lobe regions, whereas working memory and recall of prior numerical knowledge are handled by the frontal lobe regions of brain.

Prof. N Jaysankaran Natesa Ayyar, Former Vice Chancellor, Kanchi University and Director General, BIM Tiruchirapalli delivered an enlightening address, highlighting the relevance of ancient wisdom in navigating contemporary challenges. Drawing from ancient Indian wisdom, BODHI,' focusing on Indian Ethos in Management. The initiative aims to bridge the gap between traditional values and contemporary business strategies, drawing inspiration from sacred texts such as the 'Gita,' 'Upanishads,'. He also elaborated on the concept of 'Antar Mouna' or Inner Silence—a practice rooted in mindfulness and introspection. He stressed that self-examination enables individuals to identify their strengths, weaknesses, and biases, thus empowering them to make informed decisions and lead with integrity.

7. Prof. Manoj Tiwari, Director, IIM, Vice Chancellor, TISS, Indian Knowledge system and Technology Applications in his lucid style, enthralled the Faculty members on Indian Knowledge system and Technology Applications- especially with respect to the logistics in Ancient India". India's strategic geographic location has made it a crucial trading hub since ancient times. The country's trade relations with civilizations like Mesopotamia, Egypt, and China can be traced back to the Indus Valley Civilization around 2500 BCE. The civilization's well-planned cities and advanced infrastructure showcased early logistics practices, including efficient road networks, warehouses, and river transportation. During the Mauryan Empire (322 BCE — 185 BCE), Emperor Ashoka established an extensive network of roads, known as the "Grand Trunk Road," connecting various parts of the empire. This road network played a vital role in facilitating trade and commerce, as well as in military logistics. He also elaborated about the medieval era witnessed the emergence of the Silk Road, connecting India with Central Asia, the Middle East, and



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Europe. Indian merchants played a crucial role in the silk and spice trade along this historic route, which spanned thousands of miles and facilitated the exchange of goods, ideas, and cultures.

Maritime trade also flourished during this period, with Indian merchants using the monsoon winds to navigate the Arabian Sea and the Indian Ocean. The port cities of Gujarat, such as Surat and Cambay, emerged as major trading centers, attracting merchants from around the world. Logistics practices like warehousing, customs clearance, and cargo handling became essential components of these vibrant trading hubs.

Glimpses of the IKS FDP



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A Report on

ERP Training

On Attendance Module for MCA and MMS Teaching Staff Members

DES's Navinchandra Mehta Institute of Technology and Development

Conducted by

Mastersoft

Introduction: The ERP system training on the Attendance Module was organized to familiarize MCA (Master of Computer Applications) and MMS (Master of Management Studies) teaching staff members with the functionalities and capabilities of the system. The primary objective was to streamline the attendance management process, enhance accuracy, and ensure compliance with Institutional requirements.

Objectives of the Training:

- To provide a comprehensive understanding of the Attendance Module within the ERP system.
- To enable teaching staff to record, modify, and track attendance efficiently.
- To address challenges in attendance reporting and resolve discrepancies.
- To familiarize staff with features such as automated reports and analytics for improved decision-making.

Training Details:

- **Date:** 9th Jan 2024
- **Venue:** DES's NMITD Lab 1
- **Mode:** On-campus
- **Trainer:** Mastersoft

Participants: The training was attended by teaching staff members from the MCA and MMS departments. A total of Ten faculty members participated, representing various specializations.

Training Agenda: The training was structured as follows:

- **Introduction to the ERP System:** Overview of the ERP platform and its relevance to institutional processes.
- **Navigation and Access:** How to log in, navigate, and access the Attendance Module.
- **Recording Attendance:** Step-by-step demonstration of marking attendance for classes, managing absentees, and updating records.
- **Advanced Features:**
 - Uploading attendance records.
 - Generating automated attendance reports.

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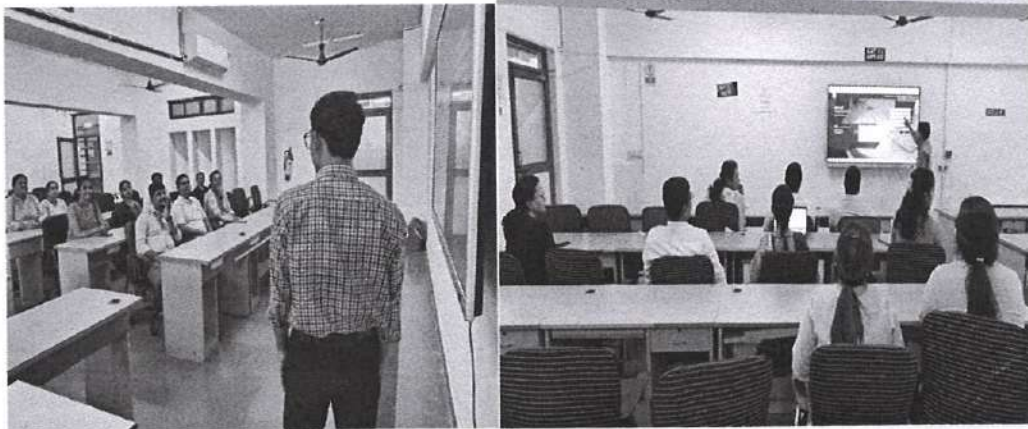
- Setting up notifications for low attendance.
- **Q&A and Feedback Session:** Open forum for addressing participant queries and collecting feedback.

Key Takeaways:

- The training emphasized the importance of timely and accurate attendance recording.
- Participants gained hands-on experience with the Attendance Module.
- Faculty members appreciated the user-friendly interface and the system's ability to generate detailed attendance reports.
- Trainers highlighted best practices for maintaining data integrity and confidentiality.

Conclusion: The ERP training on the Attendance Module was a success, equipping MCA and MMS teaching staff with essential skills to manage student attendance effectively. With continued training and support, the adoption of the system is expected to improve overall administrative efficiency and foster a more organized academic environment.

Photographs of the event:



Prepared by: Dr.Swapnali Mahadik

Checked by: Dr.Ruchi Gupta

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N-RICH Series First Session – Guest Session by Dr. Y S Rao

Date: 21st March 2014

Time: 2.30pm

Location: NMITD

Organized by: IQAC and Seminar Committee, DES' NMITD

Objective:

The first session of the **N-RICH Series**, hosted by DES' NMITD, aimed to provide faculty members with a valuable platform for learning and discussion on academic research and innovation. The session featured **Dr. Y S Rao**, Vice Principal, Dean of Academics, and R&D at Sardar Patel Institute of Technology, who shared his expertise on academic projects, research, and their societal impact.

Event Overview:

The session focused on the importance of **real research**—research that not only advances academic knowledge but also benefits society at large. Dr. Y S Rao emphasized the need for faculty members and researchers to explore projects that are aligned with real-world problems, offering solutions that have a tangible, positive impact on society.

Key Takeaways:

1. **Research for Societal Benefit:** Dr. Rao discussed how research must go beyond theoretical knowledge and address pressing societal needs, encouraging faculty to engage in research that makes a difference.
2. **Innovative Academic Projects:** He shared insights into developing academic projects that can lead to tangible products and innovations, urging participants to focus on research that leads to practical outcomes.
3. **Research Knowledge Application:** A significant focus was placed on applying research knowledge in real-life scenarios, bridging the gap between academic studies and societal development.



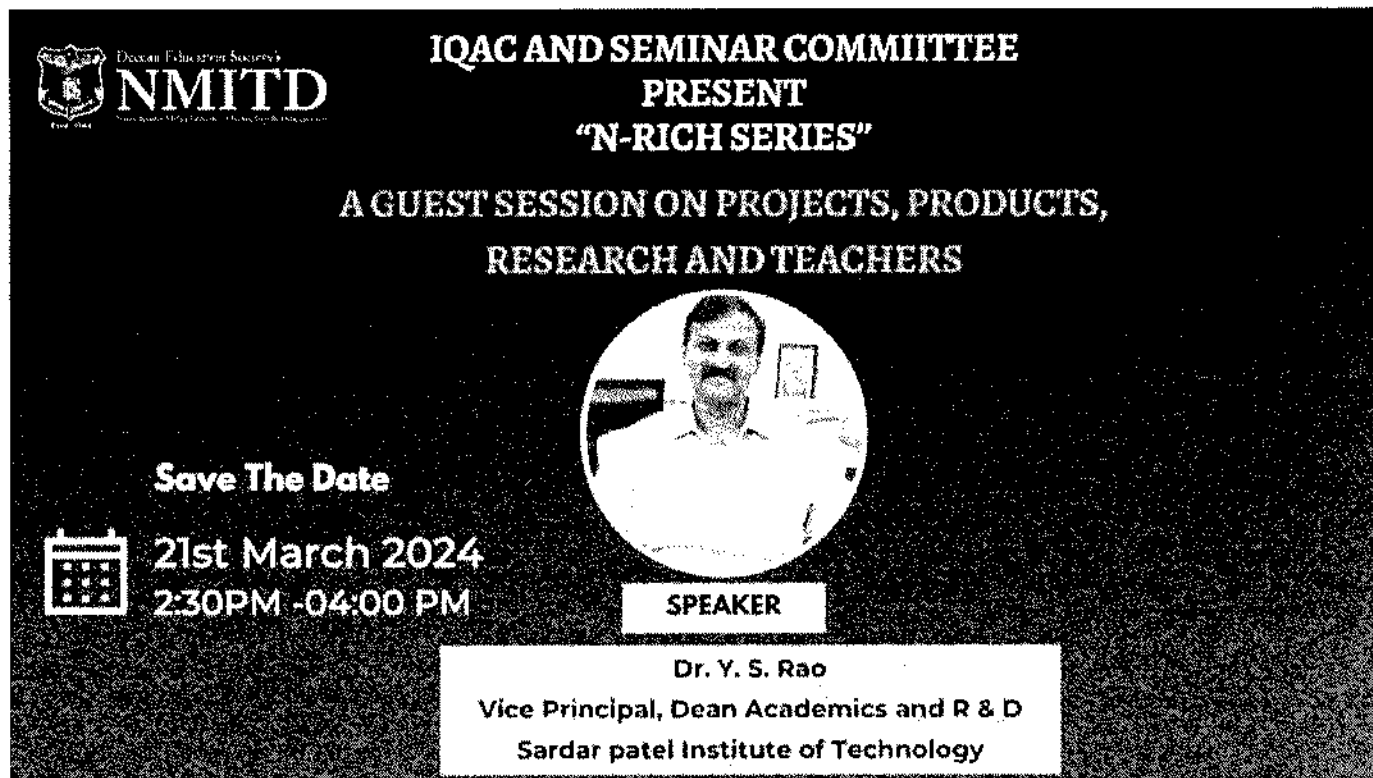
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4. **Collaboration in Research:** Dr. Rao highlighted the importance of interdisciplinary and cross-institutional collaborations in driving impactful research.

Conclusion:

The first session of the **N-RICH Series** was an enriching experience for the faculty members, offering a deep dive into the world of research and its role in societal advancement. Dr. Y S Rao's insights have sparked enthusiasm among participants to embark on impactful research that contributes positively to society. The session was a step toward fostering a culture of innovation and collaboration within the institution.

We extend our sincere gratitude to Dr. Y S Rao for the inspiring session and look forward to future sessions of the **N-RICH Series** that continue to fuel academic growth and societal change.



The poster is for an event titled "N-RICH SERIES" presented by the IQAC and Seminar Committee. It features the NMITD logo (Deccan Education Society's) in the top left. The main text reads: "IQAC AND SEMINAR COMMITTEE PRESENT 'N-RICH SERIES' A GUEST SESSION ON PROJECTS, PRODUCTS, RESEARCH AND TEACHERS". A circular portrait of Dr. Y. S. Rao is shown, with a "SPEAKER" label below it. The event details are: "Save The Date 21st March 2024 2:30PM -04:00 PM". At the bottom, a box identifies him as "Dr. Y. S. Rao Vice Principal, Dean Academics and R & D Sardar patel Institute of Technology".

IQAC AND SEMINAR COMMITTEE
PRESENT
"N-RICH SERIES"

**A GUEST SESSION ON PROJECTS, PRODUCTS,
RESEARCH AND TEACHERS**

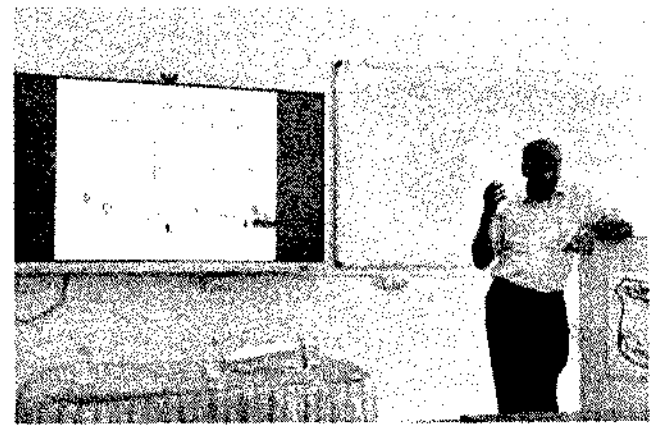
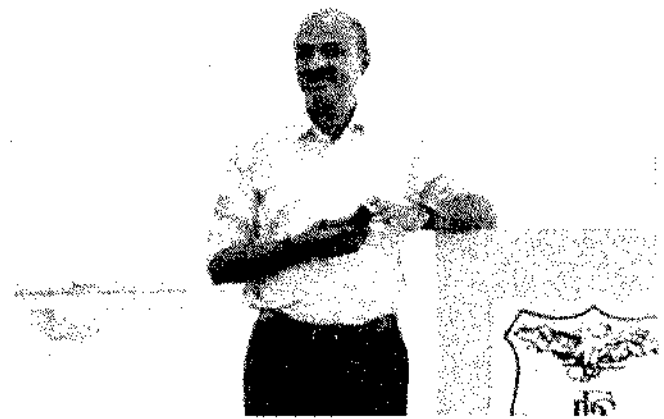
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SPEAKER

Dr. Y. S. Rao
Vice Principal, Dean Academics and R & D
Sardar patel Institute of Technology

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In-Charge Director
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N Rich Guest Session on "Ideation to Patenting"

Date: 18th April 2024

Time: 3pm to 4.30pm

Location: NMITD

Facilitator: Dr. Seema Purohit

Objective:

The Ideation to Patenting Workshop was organized to encourage and guide faculty members in the process of ideating, developing, and eventually publishing patents. The workshop aimed to provide faculty with the necessary tools, knowledge, and inspiration to innovate and protect their intellectual property through the patenting process.

Participants:

- Faculty Members from various departments of MCA & MMS
- Dr. Seema Purohit, [Designation, if available]
- Organizing Committee Members

Event Overview:

The workshop, led by Dr. Seema Purohit, focused on the entire process of transforming innovative ideas into tangible patents. Dr. Purohit, an expert in intellectual property rights and innovation, walked the participants through the critical stages of ideation, patenting, and commercializing new inventions and technologies.

1. Introduction to Intellectual Property and Patenting:

The session began with an introduction to intellectual property (IP) and the importance of patents in protecting innovations. Dr. Purohit explained the different types of intellectual property rights, including patents, trademarks, copyrights, and trade secrets, with a special focus on patents.

2. The Ideation Process:

Dr. Purohit discussed how to identify and develop ideas that have the potential to be patented. Faculty members were encouraged to think creatively, explore new solutions to problems, and consider how their innovations could address real-world challenges. The session included brainstorming techniques and methods for refining ideas into actionable projects.



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In-Charge Director
DES'S NMITD

3. The Steps to Patent Creation:

Faculty members were introduced to the step-by-step process of patent creation. The key steps covered included:

- **Researching Existing Patents:** How to check if an idea already exists in the patent database to avoid conflicts.
- **Drafting a Patent Application:** Guidance on writing the patent application, including descriptions, claims, and technical drawings.
- **Filing the Patent:** How to file a patent with the relevant patent office and the legal requirements involved.
- **Patent Examination and Granting Process:** An overview of the examination process and the potential outcomes after submitting the patent application.

4. Patentable Innovations:

Dr. Purohit emphasized the criteria for patentability: the invention must be novel, non-obvious, and useful. Faculty members were guided on how to evaluate their ideas against these criteria and how to improve their inventions to meet patent requirements.

5. Commercialization of Patents:

The workshop also covered the commercialization aspect of patents. Dr. Purohit discussed how to turn patented ideas into products or services, including licensing, partnerships, and collaborations with industries.

6. Interactive Session and Case Studies:

During the workshop, Dr. Purohit presented real-world case studies of successful patents in various fields. This allowed faculty members to gain practical insights into the patenting process and the potential benefits of patenting their innovations.

7. Hands-On Session:

The session included a hands-on component where faculty members brainstormed ideas and worked on developing potential patents. Dr. Purohit provided guidance to individuals and groups, helping them refine their ideas and understand the intricacies of patenting.

8. Q&A Session:

The workshop concluded with an interactive Q&A session, where faculty members asked specific questions regarding the patenting process. Dr. Purohit provided expert advice on overcoming common challenges faced during the patenting journey.

Highlights:

- **Encouragement for Innovation:** Faculty members were inspired to think beyond conventional boundaries and were equipped with the knowledge to create patentable ideas.
- **Practical Guidance:** The step-by-step approach to the patenting process helped participants understand the complexities involved in transforming an idea into a patent.



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- Empowerment of Faculty: The workshop empowered faculty members by providing them with the tools and resources needed to navigate the patenting landscape.
- Focus on Real-World Application: The workshop emphasized the importance of patenting innovations that can address real-world challenges and contribute to technological advancement.

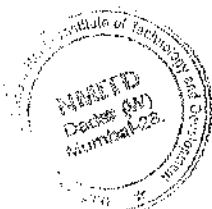
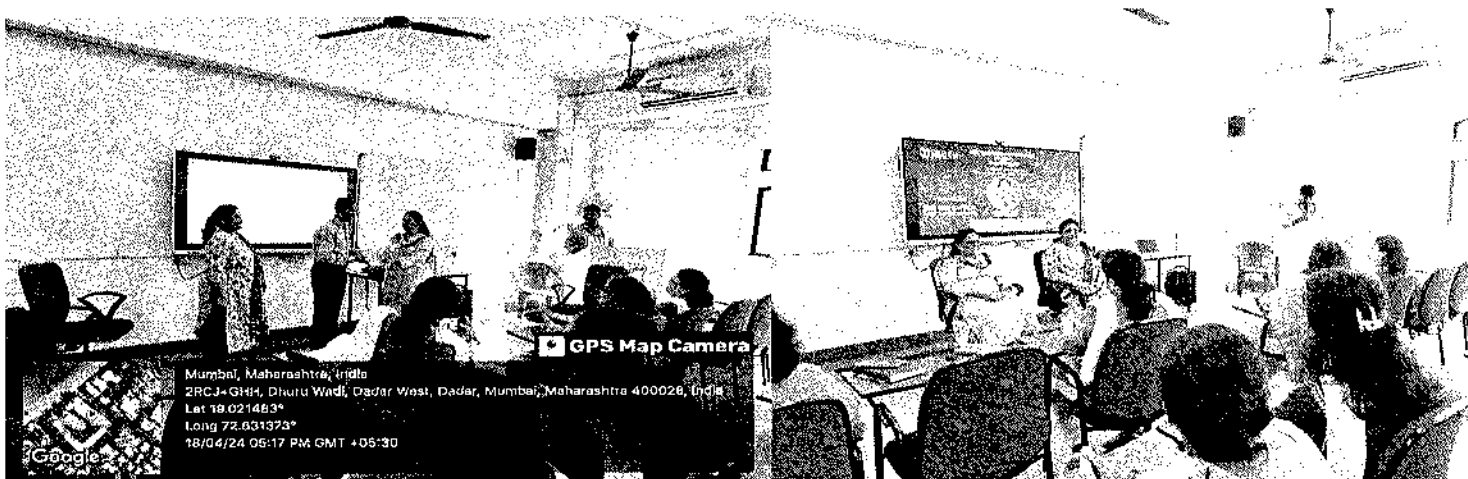
Conclusion:

The Ideation to Patenting Workshop was a highly valuable session for faculty members, equipping them with essential skills and knowledge to take their innovative ideas from concept to patent. Dr. Seema Purohit’s expertise and guidance throughout the workshop helped foster a mindset of innovation and protection of intellectual property. The event successfully encouraged faculty members to explore the patenting process and provided the foundation for further research, innovation, and patent filing.

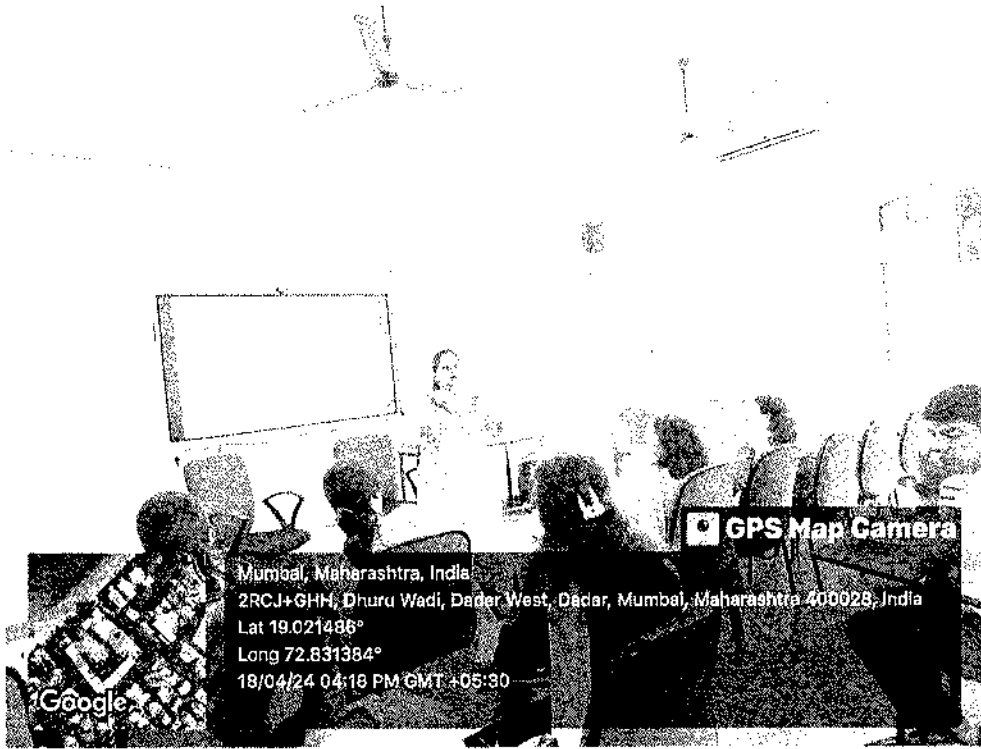
IQAC AND SEMINAR COMMITTEE PRESENT "N-RICH SERIES" A GUEST SESSION ON "FROM IDEATION TO PATENTING"

Save The Date
18th April 2024
3:00PM -04:30 PM

SPEAKER
Dr. Seema Purohit
Professor Emeritus, B. K. Birla College, Kalyan



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