



Lokmanya Tilak Jankalyan Shikshan Sanstha's  
**PRIYADARSHINI J. L. COLLEGE OF ENGINEERING, NAGPUR**  
Autonomous Institute Affiliated to Nagpur University  
(Formerly known as J. L. Chaturvedi College of Engineering)  
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Website: [pjce.edu.in](http://pjce.edu.in)



## **RESEARCH & DEVELOPMENT CELL**

### **Aim & Objectives**

- To establish R&D culture in the Institute by creating research awareness among the faculty and students
  - To promote Interdisciplinary/Multidisciplinary research
  - To provide a platform for sharing available research facilities.
  - To enhance team work between researchers for interdisciplinary research
  - To promote MoUs with different Industries, R&D Organizations, Funding Agencies which provide funding for research activities.
  - To monitor the progress of the researches, programs and projects of the Institution
  - To identify research thrust areas, promoting research, evaluating and disseminating research outcome.
  - To enhance skill development training and self employment opportunities
    - o develop mini project environment which can be converted to In-House Projects
  - To create awareness about filing Patents & IPR.

## REPORT 2022-2023&23-24

Research plays a pivotal role in advancing human knowledge and driving societal progress. Its significance lies in its ability to uncover new information, validate existing theories, and address pressing issues. Through systematic inquiry, research fosters innovation, leading to technological breakthroughs, medical advancements, and improved understanding of various phenomena. It forms the basis for evidence-based decision-making in fields ranging from medicine to policy development. Additionally, research enhances critical thinking skills, encouraging a culture of curiosity and continuous learning. By pushing the boundaries of knowledge, research contributes to the betterment of individuals, communities, and the global society, ultimately shaping a more informed and enlightened world. R&D Cell has organized various activity to enhance research knowledge of faculty& Students

### INTERNATIONAL SEMINAR ON RESEARCH METHODOLOGY

Research methodology is crucial as it provides a structured approach to investigation, ensuring the reliability and validity of findings. It guides the systematic collection, analysis, and interpretation of data, enabling researchers to draw meaningful conclusions. A well-defined methodology enhances the credibility of research, offering a blueprint for study design and execution. It fosters transparency and replicability, allowing others to validate results and build upon previous work. Effective research methodology not only produces robust outcomes but also contributes to the cumulative growth of knowledge. In essence, it serves as the foundation for sound research, ensuring rigor and precision in the pursuit of understanding and discovery.

International seminar on Research methodology was organized by PJCCE to inculcate research habit & Culture .This seminar was inaugurated by Dr V M Nanoti ,Director LTJSS,Nagpur,Professor Martin & Dr N B Singh ,Sharda University. Every session was interactive & have deep insight on research methodology



## Glimpses of Research Methodology (Prof Martin & Dr N B Singh)

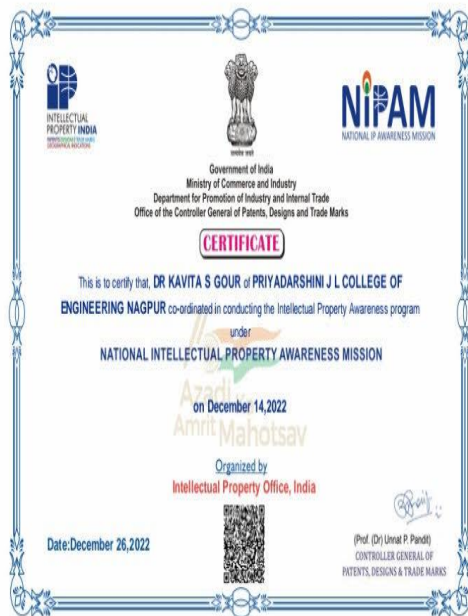
### PATENT AWARENESS WORKSHOP(PJLCE&IPI INDIA)

Patents are crucial for innovation protection, granting inventors exclusive rights to their creations. They incentivize research and development by offering a legal framework for safeguarding intellectual property. This encourages inventors to disclose their discoveries, fostering a culture of innovation and economic growth while ensuring fair recognition and reward for inventive contributions.

Patent awareness workshop was conducted in association of IPI, Nagpur. Mr Survanwanshi, Assistant Controller of Patent & Design has enlightened all faculty members about patent filing & security of research.

### Glimpses of Patent Awareness Workshop

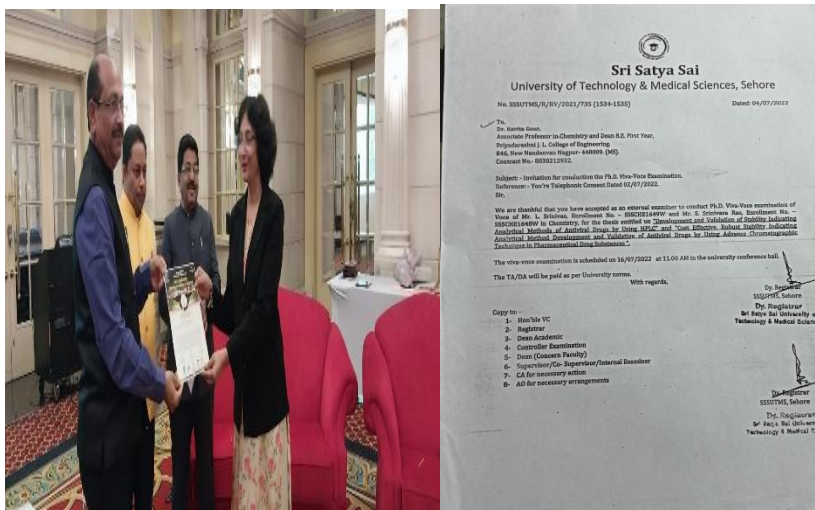




## Achievements:

Faculty members have published 22 research paper in international journals (Scopus,SCI&Wos etc),2 book chapter edited &presented research papers in abroad Dubai &India.

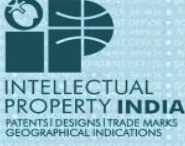
Senior Faculty members have worked as an examiner for PhD viva, reviewer for Ph D thesis& Session chair. They are also providing guidance as a supervisor for PhD &PG students. They are regularly attending conferences &Seminars to update & upgrade their research knowledge & Skill.



## Glimpses of Achievements

# Judge For Poster Competition in International Conference ICFM-24





क्रमांक : 022118371  
SL No :



भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE  
पेटेंट प्रमाणपत्र  
PATENT CERTIFICATE  
(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 398235  
आवेदन सं. / Application No. : 202121008891  
फाइल करने की तारीख / Date of Filing : 03/03/2021  
पेटेंटी / Patentee : 1.DR. KAVITA GOUR 2.KSHITIJ CHIRWATKAR  
3.DEWALATA KRUSHNAJI DONADKAR

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित METHOD OF OBTAINING ADSORBENTS FOR A FILTRATION APPARATUS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मार्च 2021 के तीसरे दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।  
It is hereby certified that a patent has been granted to the patentee for an invention entitled METHOD OF OBTAINING ADSORBENTS FOR A FILTRATION APPARATUS as disclosed in the above mentioned application for the term of 20 years from the 3<sup>rd</sup> day of March 2021 in accordance with the provisions of the Patents Act,1970.

INTELLECTUAL  
PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



अनुदान की तारीख  
Date of Grant : 31/05/2022

Controller of Patent

**टिप्पणी** - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, मार्च 2023 के तीसरे दिन को और उसके पश्चात प्रत्येक वर्ष के उसी दिन देय होगी।  
**Note** - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 3<sup>rd</sup> day of March 2023 and on the same day in every year thereafter.

PATENT GRANTED BY IPI INDIA

# STUDENTS CONVENTION

## ANUSANDHAN-2K24

On 2<sup>nd</sup> MARCH 2024

Recently, Priyadarshini J L College of Engineering organized a one day “**Intercollegiate Students Convention – ANUSANDHAN 2K24**” on March 02, 2024 in Seminar Hall. The seminar focused on why research matters? The programme started at 11:00 am with the welcome address by Prof.

Priyanka Doondani. The dignitaries on the dias were Dr. Ganesh Kedar, HOD PGTD Mathematics, RTM Nagpur University, Dr. A. M. Shende Principal, PJLCE, Dr K.S. Gour, Dean First year & R & D Incharge, Convener of ANUSANDHAN-2K24 & Dr V. R. Manthena, Assistant Professor, Mathematics, Co-convener of ANUSANDHAN-2K24. The programme started with lightening of lamp of Maa Saraswati.

