



Report on One -Day Workshop Conducted on

“Utilization of Patent and Design Information for Research and New Product Development”

Organized by

Department of Electronics & Communication Engineering,

School of Studies: Engineering and Technology

Guru Ghasidas Vishwavidyalaya (A Central University) Bilaspur

**under the Capacity Building for Design and Entrepreneurship (CBDE) Program sponsored by
Ministry of Education, Government of India.**

Workshop Summary

S. No		
1	Title	Utilization of Patent and Design Information for Research and New Product Development
2	Date of Event	18 th March 2025
3	Time (Duration)	2:00 pm onwards (Two hours)
4	Mode	Online mode
5	Resource Person	Dr. Amit Kumar Shukla , Guest Faculty IIT Delhi
6	Preamble	The workshop on Utilization of Patent and design information for research and new product development ,was conducted online mode to provide insights into the importance, filing, and commercialization of patents. The workshop was co-ordinated by Mr. Jitendra Bhardwaj, Asst. Professor, Electrical Engineering Dept of ECE, along with student team and the guest speaker was Prof. Amit Kumar Shukla, guest faculty at Dept. of Management Studies, IIT Delhi. The primary focus was on understanding the role of patents in innovation and their industrial applications. The workshop was sponsored under the Capacity Building for Design and Entrepreneurship (CBDE) Program by Ministry of Education , Govt. of India.
7	Participant's Profile:	Faculty members, UG and PG students of Dept of Electronics & Comm Engineering, Electrical Engineering and other departments of the university were participated. A total number of 109 participants registered the workshop and 71 participants have attended and given feedback.
8	Organizing Team	Faculty Coordinator : Jitendra Bhardwaj, Asst. Professor, Electrical Engineering, Dept of ECE Student Volunteer : Fahyan Singh, Harsh Thakur, Krutika Solanki, Palak Bagani, Kunal Verma, Mandakani .



Attachments

- 1) Copy of Sanctioned Order
- 2) Copy of Flyer, Invitation, Schedule
- 3) List of Participants

Description about the Program

The program was held on 18th March 2025, at 2:00 pm online mode and operated at MMTTC, GGV Bilaspur. In the inauguration, convener of the program Dr. Sudakar Singh Chauhan, Head of the Department, Electronics & Comm Engineering, welcomes the resource person Dr. Amit Kumar Shukla, Faculty at DMS, IIT Delhi. In his addressing he thanked the Chief Patron - Prof. Alok Kumar Chakrawal, Hon'ble Vice-Chancellor, GGV Bilaspur and patron Prof. A. S. Ranadive, Registrar, GGV Bilaspur and Prof. S. C. Srivastava, Dean, SoS E&T, GGV Bilaspur for giving opportunity and supporting to conduct this program. He also welcome and motivated to participants for taking maximum benefits from this workshop.

After the addressing of Head of the department, Mr. Jitendra Bhardwaj, Asst Professor, Electrical Engineering, Dept of Electronica & Comm. Engineering welcomes and thanked Prof Ratnesh Singh and Prof T. V. Arjunan, Principle Investigator and Co- Principle Investigator of the CBDE program, for providing this platform. In his addressing he briefly introduced about the CBDE program and how it beneficial for the students. Early exposure of the students to the startups activity enable them to contribute more significantly in development of the nation.

After the addressing of Jitendra Bhardwaj, student team member Krutika Solanki welcome and introduced the guest speaker Prof Amit Kumar Shukla, guest faculty at Dept. of Management Studies, IIT Delhi. Speaker has done his Ph. D from IIT Kanpur and having more than 20 years of experience of serving incubation centers of premium institutes like IIT Kanpur, IIT (ISM) Dhanbad and IIIT Delhi. After the introduction session was hand over to the speaker Dr. Amit Kumar Shukla and workshop key content are briefly mentioned here.

Topics Covered in the Workshop

1. Conditions of Patents and Inventions

- Novelty: The invention should not be published or known before filing.
- Inventive Step: The idea should be non-obvious and bring innovation or improvement.
- Industrial Application: The invention must be useful and applicable in an industrial setup.

2. Historical Patent Examples

- Example: U.S. Patent No. 2,058,562 on a light intensity self-adjusting camera.
- The importance of patents in the electronics and communication industry.

3. Patent Utilization in Industries

- Toyota's Vehicle Electrification Patents - 23,740 patents made royalty-free.
- Impact of patents on industrial growth, innovation, and commercialization.



4. Patent Licensing and Commercialization

- How companies monetize patents by granting licenses.
- Importance of patent pooling in technological advancements.

After the session Q&A was conducted, where faculties and students asked their queries regarding patent filing and complexity of the process after that Mr. Harsh Thakur gave vote of thanks to the participants and a feedback form was shared and e-certificates will be distributed.

Observations, Learning Outcomes and Future Scope

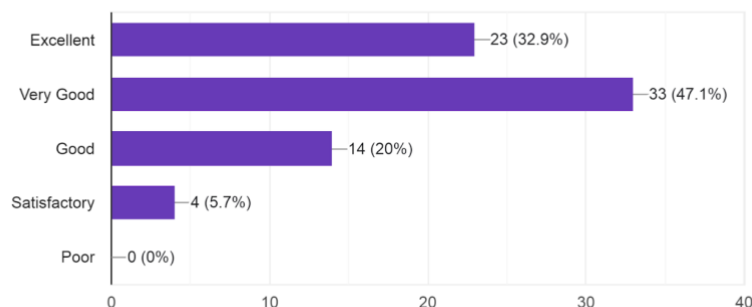
Participants get aware about patent and crucial aspects and its pros & cons. After the workshop participants appreciated highly in feedback and ask for offline session in near future. Patents bridge the gap between innovation and industrial application. Understanding legal and technical aspects of patents is crucial for engineers. Industrial collaborations and patent-sharing policies drive technological growth.

Conclusion

The workshop provided a deep understanding of patent utilization, emphasizing that patents are not just for protection but also for commercialization and technological advancement. The insights shared by Prof. Amit Kumar Shukla were valuable for students and researchers alike. Faculties from ECE, EE, Civil, and Mechanical Engineering departments were actively involved and asked their queries and asked for offline session for this workshop for more hands on on patent searching.

FeeddBack Charts:

Content of the workshop meet your expectation
70 responses



Feedback of the participants regarding the workshop

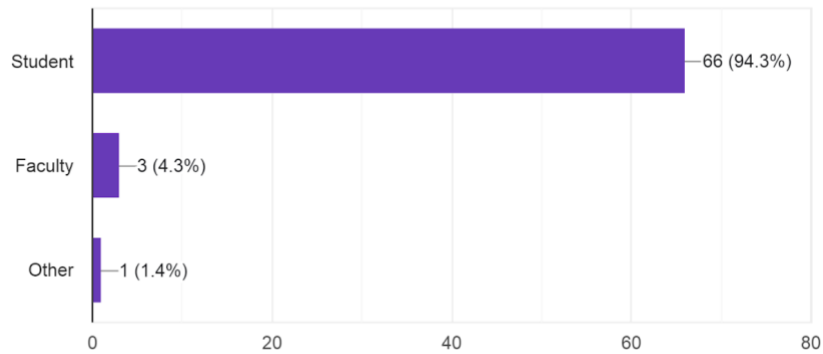
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(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
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Select applicable

70 responses



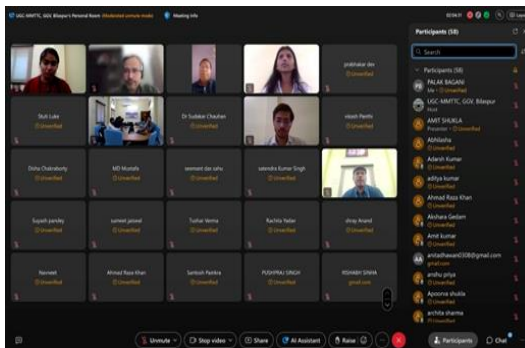
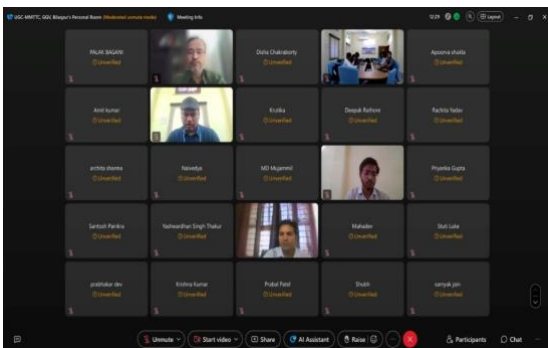
Participants Profile Distribution

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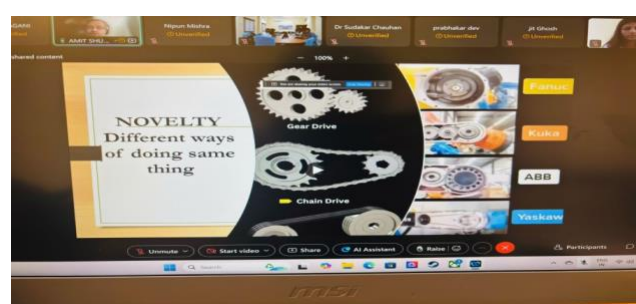
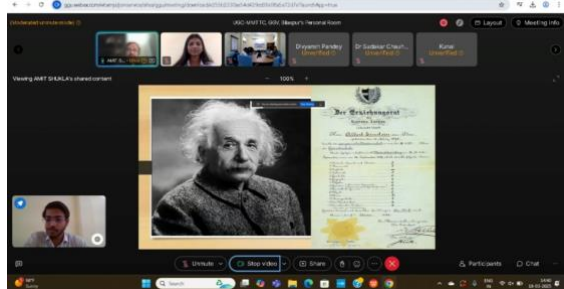
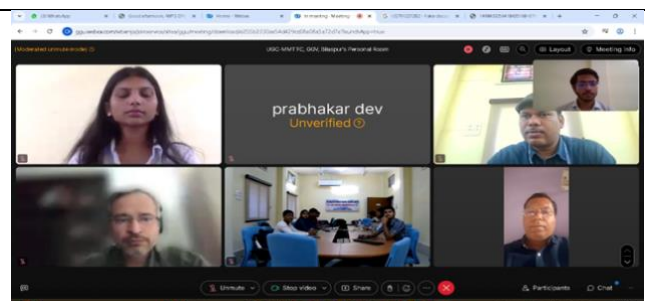
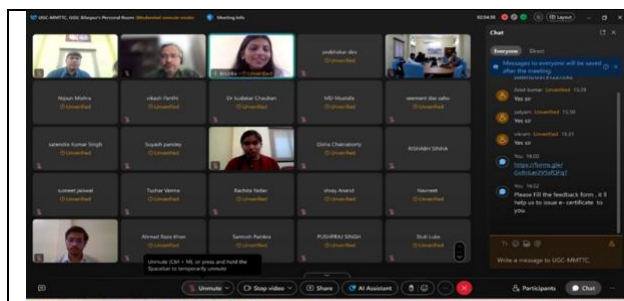


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Pictures of the Events held on 18th March 2025



Opening Addressing by Dr S. K. Chauhan, HOD, Dept of ECE, Sos: E&T, GGV Bilaspur


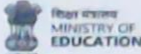



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Sanction Order for the Work

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
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MALAVIYA MISSION TEACHER TRAINING CENTER
Capacity Building for Design and Entrepreneurship (CBDE) Programme
[Sanctioned by the Ministry of Education, Govt of India]
Sanction Order

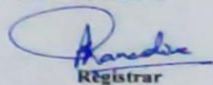
Ref No: GGV/CBDE/SW/2024-25/005 Date: 20.02.2025

Dear **Dr. Jitendra Bhardwaj**
Dept. of Department of Electronics & Comm. Engineering,
Guru Ghasidas Vishwavidyalaya (Central University),
Bilaspur, Chhattisgarh-495 009

SUBJECT: Utilization of Patent and Design Information for Research and New Product Development on 27th Feb, 2025 at Department of Electronics & Comm. Engineering, Guru Ghasidas Vishwavidyalaya (A Central University) Bilaspur

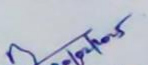
Dear **Dr. Jitendra Bhardwaj**
With reference to your application on the above subject, we are happy to inform you that the Guru Ghasidas Vishwavidyalaya (GGV) has been pleased to sanction a grant of **Rs 5700/- (Rupees Five Thousand Seven Hundred only)** under the Capacity Building for Design and Entrepreneurship (CBDE) Programme (Sanctioned by the Ministry of Education), Govt of India subject to the following conditions:

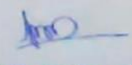
1. The grant received from GGV should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
2. The coordinator/department ensures all purchases comply with Guru Ghasidas Vishwavidyalaya (GGV) guidelines.
3. Invitation cards should be sent to the Principal Investigator and Co-Principal Investigator of the GGV-CBDE programme.
4. A softcopy (preferably in Pen Drive/CD/ DVD in PDF format) of the full paper proceedings of the above event should be sent to the undersigned.
5. An overall activity report by the Convener / Organizing Secretary should be made available to us with regard to the outcome of the gathering, the recommendations, and the plan of action for the future. The names addresses & email IDs of the participants/delegates should also be sent immediately after the event.
6. It is mandatory that the grantee department is required to submit to the GGV-MMTTC office, the statement of income expenditure and a brief report of the above event within fifteen days after the date of completion.
7. Any remaining balance, if applicable, upon the completion of the proposal shall be returned to the Director, MMTTC, in the designated bank account.


Registrar

Copy to

1. The Head of the concerned students/faculty departments
2. F.O. for the information
3. LAO for the information
4. Mentors
5. Office file


Co-Principal Investigator
Prof. T.V. Arjunan


Principal Investigator
Prof. Ratmesh Singh

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Department of Electronics and Communication Engineering
and
CBDE Programme, Ministry of Education, Govt. of India
Jointly Organising
One Day Workshop on
Utilisation of Patent and Design Information for
Research and New Product Development



Chief Patron
Prof. Alok Kumar Chakrawal
Hon'ble Vice-Chancellor
GGV Bilaspur



Patron
Prof. A. S. Ranadive
Registrar
GGV Bilaspur



Co-Patron
Prof. S. C. Srivastava
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GGV Bilaspur



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Coordinator
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Asst. Prof., EE, GGV Bilaspur



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For Registration
Scan the QR



18th March 2025



Online Mode



2pm Onwards

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List of the Participants in the Workshop held 18th March 2025

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