

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 Bharadwaj, 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 theChief 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. JitendraBhardwaj , 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 JitendraBhardwaj , student team member KrutikaSolanki 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 participates and a feedback form was shared and e-certificates will be distributed.

Observations, Learning Outcomes and Future Scope

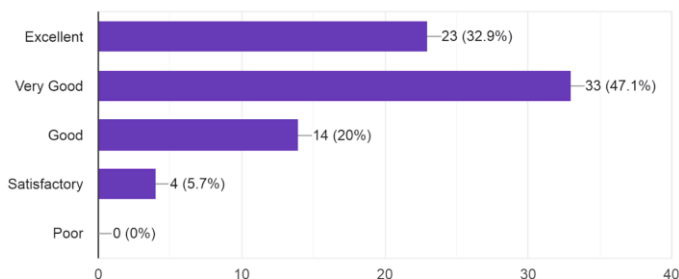
Participants get aware about patent and crucial aspects and its pros & cons. After the workshop participants appreciated highly in feedback and ask for offline session in near future. Patents bridge the gap between innovation and industrial application. Understanding legal and technical aspects of patents 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.

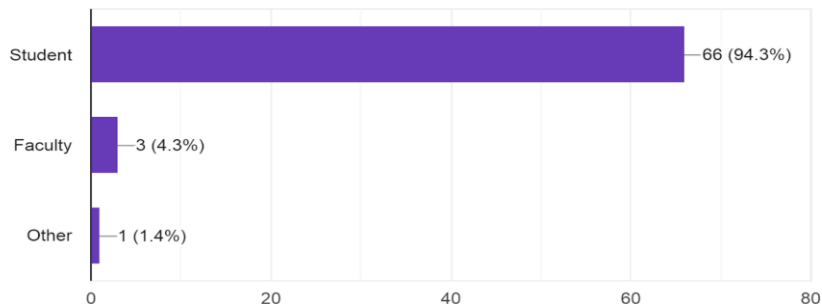
FeeddBack Charts:

Content of the workshop meet your expectation
70 responses



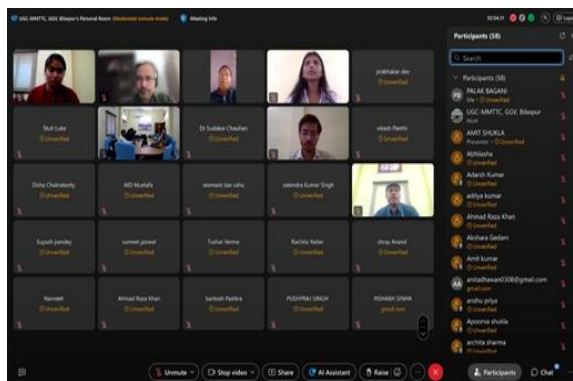
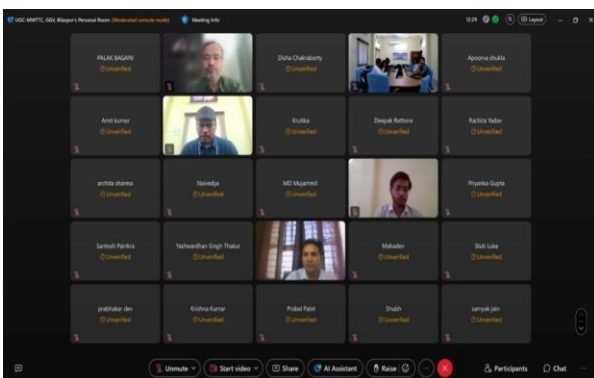
Feedback of the participants regarding the workshop

Select applicable
70 responses

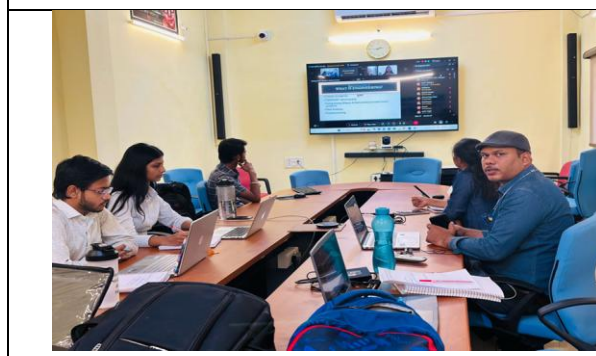
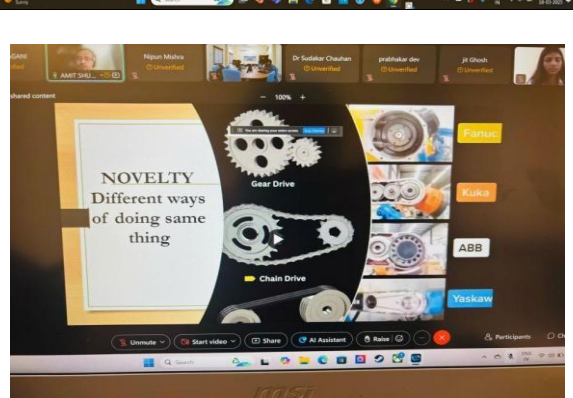
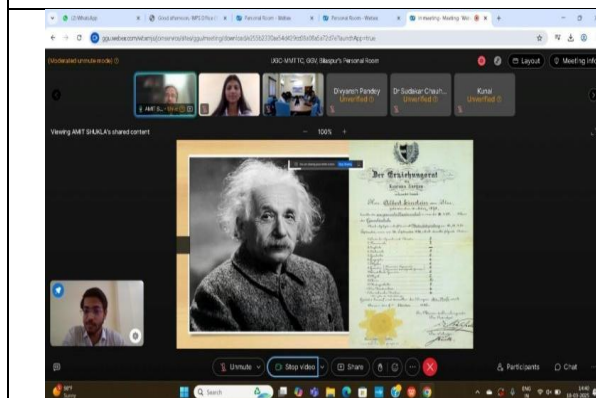
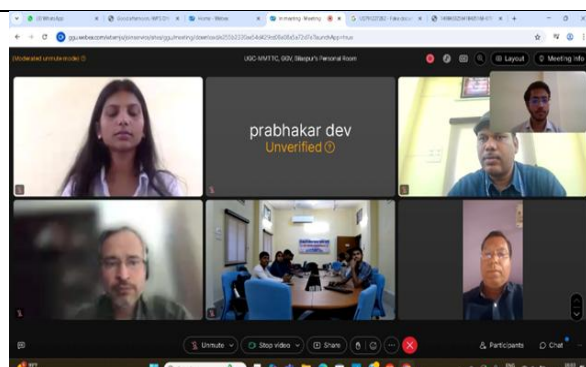
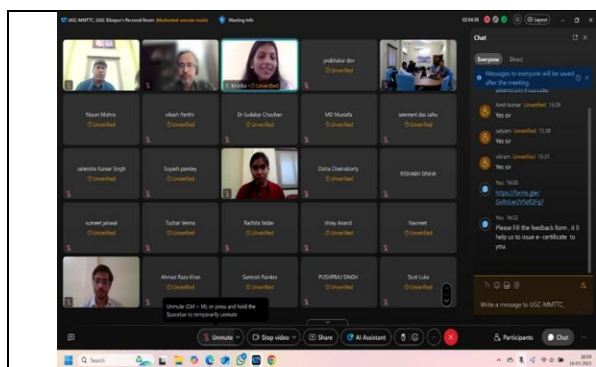


Participants Profile Distribution

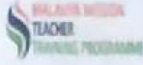
Pictures of the Events held on 18th March 2025



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



Sanction Order for the Work



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(A Central University established under Central Universities Act 2009, No. 25 of 2009)
MALAVIYA MISSION TEACHER TRAINING CENTER
Capacity Building for Design and Entrepreneurship (CBDE) Programme
[Sanctioned by the Ministry of Education, Govt of India]
Sanction Order

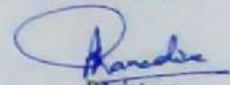
Ref No: GGV/CBDE/SW/2024-25/005 Date: 20.02.2025

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 Department of Electronics & Comm. Engineering, Guru Ghasidas Vishwavidyalaya (A Central University) Bilaspur

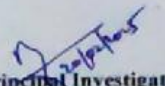
Dear Dr. Jitendra Bhardwaj
With reference to your application on the above subject, we are happy to inform you that the Guru Ghasidas Vishwavidyalaya (GGV) has been pleased to sanction a grant of **Rs 5700/- (Rupees Five Thousand Seven Hundred only)** under the Capacity Building for Design and Entrepreneurship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

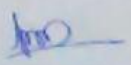
1. The grant received from GGV should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
2. The coordinator/department ensures all purchases comply with Guru Ghasidas Vishwavidyalaya (GGV) guidelines.
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. Arjuman


Principal Investigator
Prof. Ratnesh Singh



गुरु घासीदास विश्वविद्यालय, बिलासपुर (छग)
Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)
A Central University established by the Central University Act 2009 No. 25 of 2009



विद्यया ऽ मृतमश्नुते
MINISTRY OF
EDUCATION



THE
Times
Higher
Education

**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
Dean, SoS(E &T)
GGV Bilaspur



Convener

Dr. Sudakar Singh Chauhan
HOD, ECE, GGV Bilaspur



Coordinator

Jitendra Bhardwaj
Asst. Prof., EE, GGV Bilaspur



Resource Person

Prof. Amit Kumar Shukla
DMS, IIT Delhi
Phd. IIT Kanpur



For Registration
Scan the QR



18th March 2025



Online Mode



2pm Onwards

For any details

Contact:

+91- 9935389318

jbbhardwajg@gmail.com

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

<u>S.No.</u>	PARTICIPANTS	CONTACT ID	DEPT.
1	Shrey Anant Sandiman	s.a.sandiman@gmail.com	Faculty
2	Dr Nipun Kumar Mishra	mishranipun@gmail.com	Faculty
3	Deepak Kumar Rathore	erdeep2020@gmail.com	Faculty
4	Bhushan Singh Gautam	bhushan.iisc@gmail.com	Faculty
5	Dr Ruchi Tripathi	ruchi.iitk.4187@gmail.com	Faculty
6	Kunal verma	vermakunal53243@gmail.com	EE Student
7	Disha Chakraborty	dishachakraborty027@gmail.com	EE Student
8	Khushi Rani	kkri8310@gmail.com	EE Student
9	Akshara Gedam	gedamakshara07@gmail.com	EE Student
10	Pratyush kumar	pratyushkumar2230@gmail.com	EE Student
11	SACHIN RANJAN	sachinranjan02@gmail.com	EE Student
12	Alok kumar	alok2021b@gmail.com	EE Student
13	MANTU KUMAR GAUTAM	mantugautam49@gmail.com	EE Student
14	Mandakni	talk2mandakni@gmail.com	EE Student
15	Apoorva Shukla	apoorvashukla948@gmail.com	EE Student
16	Palak Dev Bhagat	bhagatpalakdev@gmail.com	EE Student
17	Sameeksha Singh	sameeksha040706@gmail.com	EE Student
18	Mahadev saha	sahaapel48@gmail.com	EE Student
19	Krutika Solanki	krutikasol12@gmail.com	EE Student
20	Aryan Maurya	mauryaaryanjlp@gmail.com	EE Student
21	Shreyansh Yadav	shreyanshahir9453@gmail.com	EE Student

22	Palak Bagani	palakbagani@gmail.com	EE Student
23	Chetan Nirmalker	chetannirmalkar689@gmail.com	EE Student
24	Ravi vishwakarma	kraj07411@gmail.com	EE Student
25	Samyak jain	samyakjain1347@gmail.com	EE Student
26	Bhishma shankar pandey	bhisamshanker1@gmail.com	EE Student
27	Santosh Painkra	santoshpainkra636@gmail.com	EE Student
28	Archita sharma	architasharma6104@gmail.com	EE Student
29	Tanuj kumar Thakur	tanuj291105@gmail.com	EE Student
30	Prabhakar dev	prabhakardev212006@gmail.com	EE Student
31	Aditi Singh	aditisinghs212@gmail.com	EE Student
32	Ritu kumari	ritukashyap6202@gmail.com	EE Student
33	Shubh Mittal	mittalshubh2005@gmail.com	EE Student
34	Ritesh sahu	sahuritesh2105@gmail.com	EE Student
35	Anshu Priya	privi26aashu@gmail.com	EE Student
36	Krishna Kumar	krishnakumar11022007@gmail.com	EE Student
37	Abhishek Sonkar	vivekabhi0725@gmail.com	EE Student
38	Yasmita sahu	yasmitasahu2@gmail.com	EE Student
39	Tanish Samir	tanishsamir81835@gmail.com	EE Student
40	Adarsh Kumar	adarshkumar17102005@gmail.com	EE Student
41	Shivangi Kumari	shivangikumari.2809@gmail.com	EE Student
42	Shray Anand	shrayanand027@gmail.com	EE Student
43	Rachita Yadav	rachitayadav67@gmail.com	EE Student
44	Tushar Verma	tusharvermajnv@gmail.com	EE Student
45	RISHABH SINHA	rishabhsinha2288@gmail.com	EE Student

46	Suyash pandey	aakashp2366@gmail.com	EE Student
47	Varsha Singh	vs2815890@gmail.com	EE Student
48	Nikhat Parveen	nikhatmuz2022@gmail.com	EE Student
49	Seemant das Sahu	das.asu12370@gmail.com	EE Student
50	PUSHPRAJ SINGH	singhpshpraj0192@gmail.com	EE Student
51	Sarini Singh kshatri	singhsarini@gmail.com	EE Student
52	Satyam Kumar	satyam.jnvkgg@gmail.com	EE Student
53	PRABAL PATEL	prabalpatel64@gmail.com	EE Student
54	Abhilasha	abhilashaydav12@gmail.com	EE Student
55	Dhananjay kumar	dhananjaysahu956@gmail.com	EE Student
56	Nikhil Anand	anandnikhil285@gmail.com	EE Student
57	Harshit Bhowray	harshipi19@gmail.com	ECE student
58	Garima sahu	gariimasahu.2506@gmail.com	ECE student
59	Eslavath vijay	vijayeslavath807@gmail.com	ECE student
60	Harshita yadav	harshita3yadav609@gmail.com	ECE student
61	Parigi jane celestial jasmine	janecelesty46@gmail.com	ECE student
62	Harsh Thakur	harshsinghthakurggv@gmail.com	ECE student
63	Fahyan Singh	fahyan20singh29@gmail.com	ECE student
64	MD MUJAMMIL	shaikhmuzammil5976@gmail.com	ECE student
65	Ahmad Raza Khan	khanahmadraza24@gmail.com	ECE student
66	Fahad Ahmad	fahadahmad37124@gmail.com	ECE student
67	Saket kumar Jha	Saketsumanoo888@gmail.com	ECE student
68	Prabhakar Kumar Choudhary	prabhakarchy282@gmail.com	ECE student
69	NABED AHMAD	navedofficial24@gmail.com	ECE student

70	KELLA YESWANTH SAI KOUSHAL	saikoushalkella@gmail.com	ECE student
71	Yash Kumar	yashcoder9187@gmail.com	ECE student
72	ANIKET RAJ	anizet7176@gmail.com	ECE student
73	MALLA AMULYA PRIYA	mallaamulyapriya2004@gmail.com	ECE student
74	Stuti Faith Luke	luke.stuti@gmail.com	ECE student
75	Anshul soni	anshulsoni1905@gmail.com	ECE student
76	Amiya Vatsa	amiyavatsa1807@gmail.com	ECE student
77	DAKESH YADAV	yadavdakesh22@gmail.com	ECE student
78	Gareema Mandavi	gareemamandavi673@gmail.com	ECE student
79	Tanya Raj	traj84294@gmail.com	ECE student
80	Nishant Kumar jha	jhanishant0123@gmail.com	ECE student
81	Anish Singh	singhanish20321@gmail.com	ECE student
82	Dhananjay prajapati	dippy6132@gmail.com	ECE student
83	K.Praveen kumar	killopraveen74@gmail.com	ECE student
84	Mohit Sharma	smmohit2004@gmail.com	ECE student
85	Yogita Ramteke	yogitaramteke2518@gmail.com	ECE student
86	Mithilesh Singh	mithileshkumarsingh1224@gmail.com	ECE student
87	Gargi Mishra	gargi623@gmail.com	ECE student
88	BANDELA VARSHITHA	bandelavarshitha375@gmail.com	ECE student
89	Shashanka Mandal	mandalshashanka1401@gmail.com	ECE student
90	Aditya Kumar	kumaraditya67521@gmail.com	ECE student
91	Vikash Panthi	vikaspanthi352@gmail.com	ECE student
92	Manish kumar singh	kmanish86520@gmail.com	ECE student

93	Divyansh Pandey	divyanshece242@gmail.com	ECE student
94	Anupam vinit	anupamvinit777@gmail.com	ECE student
95	ARKO CHANDRA	arkochandra4@gmail.com	ECE student
96	Anand Kumar Rai	rai951252@gmail.com	ECE student
97	Naivedya Sinha	sinhanaivedya@gmail.com	ECE student
98	Priyanshu Kumar	priyanshukumar123451@gmail.com	ECE student
99	Shreya Bharti	sbranu2006@gmail.com	ECE student
100	sachin kumar singh	sachinsingh1217050@gmail.com	ECE student
101	SUDEEP KUMAR	hisudeepkumar@gmail.com	ECE student
102	Dheeraj Kumar raj	dkraj7870606154@gmail.com	ECE student
103	Anant gupta	anantgupta2023@gmail.com	ECE student
104	Chunesh Kumar Rathore	chuneshrathore@gmail.com	ECE student
105	Laxmikant Dewangan	laxmikant.dewangan@gmail.com	Other
106	Priyanka Gupta	priyankaguptalp1@gmail.com	Other
107	Suraj sahu	surajsahuthesun@gmail.com	Other
108	PULKIT TREHAN	pulkit.pulkit.trehan@gmail.com	Other

(END)