



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgaavi)

Accredited By NBA (BE : CV, CSE, ECE, ISE & ME)

Date: 06/03/2024

## Proposal

**Subject:** To organize the Workshop on “**Prototype and Patenting**”

Institution Innovation Council -IIC cell – KAPILA in Association with (clubs), R&D cell, AJIET is organizing the Workshop on “**Prototype and Patenting**” on 13-03-2024 – 15-03-2024 from 9.00AM- 5.00PM, for the students and faculties. The objectives of the program is enable students/ faculty to develop and strengthen their proposed project model into prototypes and mentorship support to initiate Patenting of their prototypes.

**Mapping to Program Outcomes (PO's):** The event is relevant to PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12

**PO3: Design/Development of Solutions:** The ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5: Modern tool usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

**PO6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9: Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

email: dean@ajiet.edu.in

Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



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**PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12 Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

  
Technical Co-Ordinator

  
Principal  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



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Date: 10/03/2024

## Circular

Institution Innovation Council -IIC cell – KAPILA in Association with (clubs), R&D cell, AJIET is organizing the “**Workshop on Prototype and Patenting**” on 13-03.2024 -15-03-2024 from 9.00 am – 5.00pm. All the participants are here by informed to participate actively in the event organized and be in the venue on time.

  
Technical Coordinator

  
Dean Academics

  
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INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of R&D Initiative)



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



## IIC 6.0 – KAPILA in association with R&D cell- AJIET

### Workshop on Prototype / Process Design and Development for Patenting

Date: 13.03.2024 to 15.03.2025

Time: 9.00 am – 5.00 pm

Venue: A-309

Dr. Sangeetha D M  
& Dr. Laxmi G  
Innovation Ambassador

Dr. Suresha D  
Convener, IIC-Cell

Dr. Shantharama Rai C  
Principal

#### Our Patrons

Dr A.J. Shetty  
President LMET

Mrs. Sharadha Shetty  
Director, LMET

Mr. Prashanth Shetty  
Vice President, LMET

Mrs. Ashritha P Shetty  
Director, LMET

Dr Prashanth Marla K  
Director, LMET

Dr Amitha P Marla  
Director, LMET

Date: 18.03.2024

## Workshop on Prototype / Process Design and Development for Patenting

Name of the Program:	Workshop on Prototype and Patenting		Program Dates & Timings:		13.3.2024- 15.3.2024 9.00 am – 5.00pm	
Name & Details of the Resource Person:	Dr. Gnane Swarnand Satapathi, Associate Professor, Department of ECE, AJIET	Dr. Sangeetha D M, Associate Professor Department of CV, AJIET	Dr. Laxmi Gulappagol, Associate Professor, Department of ICB, AJIET			
Organized by (Clubs/ Dept.)	Institution Innovation Council -IIC cell – KAPILA		In Association with (clubs)		R&D cell, AJIET	
Number of Participants	30		Students	27	Faculty	03
Program Outcome (PO) Mapping	PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12					
Coordinators	Dr. Sangeetha D M, Dr. Laxmi Gulappagol					
Faculty Participated	Dr. Gnane Swarnad Sathpathi, Dr. Sangeetha D M, Dr. Laxmi Gulappagol					

### About the Program:

#### Agenda:

Sl No.	Topic	Speaker
1	Day 1: Introduction to Prototyping and patenting	Dr. Gnane Swarnand Satapathi-ECE
2	Day 2: Importance of Kapila in Patenting	Dr. Sangeetha D M. - CV
3	Day 3: Key factors and supporting document preparation for patenting	Dr. Laxmi G, HOD-ICB

The IIC cell – KAPILA and R&D cell of AJIET organized a workshop on developing prototypes of the models and preparing it for patenting purpose. The Innovative Ideas proposed by the students are supported by Innovation Ambassadors for Mentorship Support.

The event was conducted from 13.03.2024 – 15.3-2024 to guide their innovative ideas and prepare it for patenting during the academic year. The students were introduced to IIC chapter and the significance of mentorship support is told. Later the importance of project works and suggestions to improvise their works was discussed with each team. The significance of plagiarism and originality in the work was emphasized. Overall, the innovativeness of the

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projects developed and the need to convert into prototype models and prepare for patenting was suggested.

**Objectives:** The program on enable students/ faculty to

- Develop and strengthen their proposed project model into prototypes
- Mentorship Support to initiate Patenting of their prototypes.

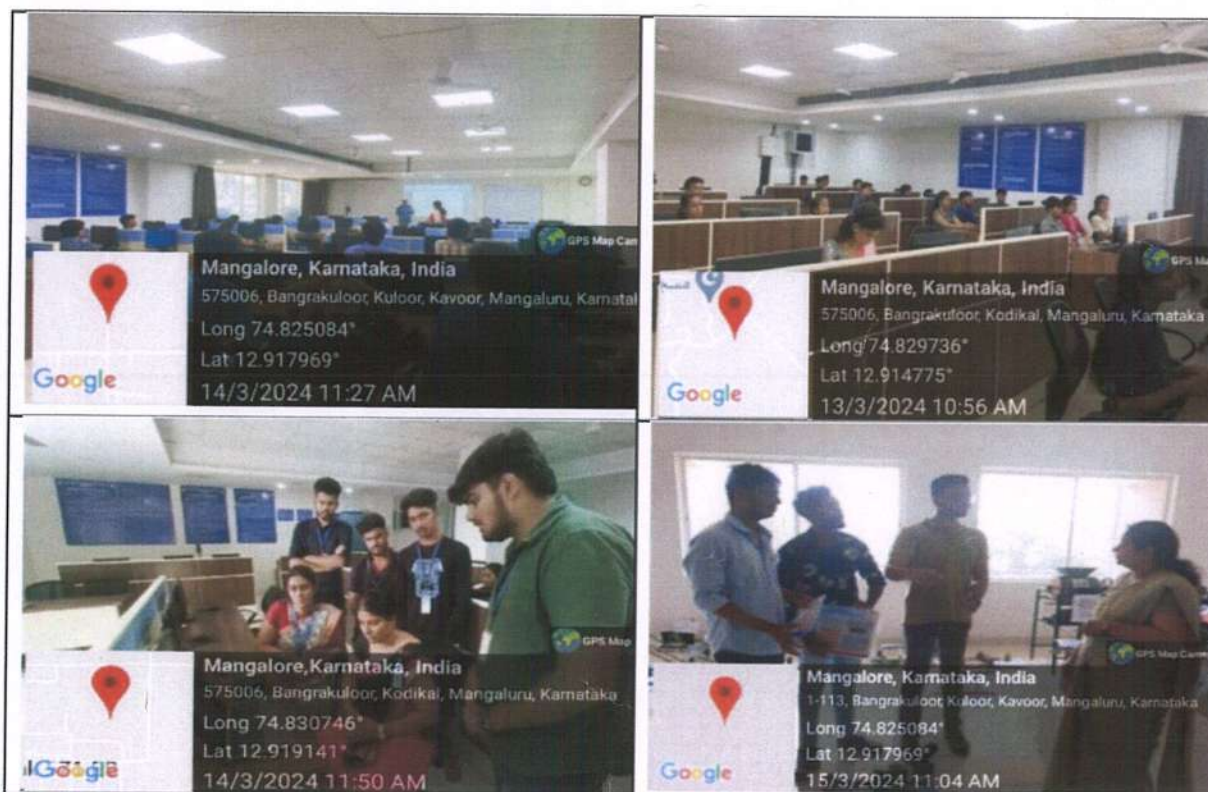
**Outcomes:** On successful completion of workshop program, the student should able to:

- Know the developing concepts of prototypes and updating of the skills required.
- Patent writing and documentation work.
- Significance of KAPILA for patenting of student innovative ideas.

#### Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1			1	1	1	1		1	1	1	1	1
2			1	1	1	1		1	1	1	1	1
3			1	1	1	1		1	1	1	1	1
Average			1	1	1	1		1	1	1	1	1

#### Photos



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## A Unit of Laxmi Memorial Education Trust®

**Date:** 13/03/2024

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*Sanguetha*  
Coordinator

Dean(Academics)

Principal  
Principa

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Date: 14/03/2024

**Attendance for Workshop on Prototyping/ Patenting**

Sl No	Name	Designation	Department	Signature
1.	Greeshma .C.Poojary	Student	I SE	
2.	Deeksha K	Student	I CE	
3.	Kishor Kumar .V	Student	I SE	
4.	Sanjana VS	Student	I SE	
5.	Yashas M Bhandary	Student	I SE	
6.	Swasthik	Student	I SE	
7.	S Atharva Shankar	Student	CSE	
8.	Pradeek	Student	CSE	
9.	Dhanu	Student	CSE	
10.	Mi. Sakthi	Student	CV	
11.	Preetham	Student	CV	
12.	Vikith .V.Salim	Student	ME	
13.	Teriel Sean	Student	ME	
14.	Gautham J Purnam	Student	ME	
15.	V. Sagar	Student	ME	
16.	P.N. Azim	Student	ME	
17.	Harith K.H	Student	CSE	
18.	Manvith K Amin	Student	CSE	
19.	Bharath Malli	Student	ECF	
20.	Abhinethree .CF	Student	ECE	
21.	Spoonthi	Student	ECE	
22.	Soundarya .B-S	Student	ECE	
23.	Dhanush .V	Student	EEE	

Coordinator

Dean(Academics)

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Date: 15/03/2024

Attendance for Workshop on Prototyping/ Patenting

Sl No	Name	Designation	Department	Signature
1.	Greeshma .C. Bojasy	Student	ISE	
2.	Deeksha .K	Student	ISE	
3.	Kiran Kumar .V	Student	ISE	
4.	Sanjana V S	Student	ISE	
5.	Yashas M Bhandary	Student	ISE	
6.	Swasthik	Student	ISE	
7.	S. Athreya Shankar	Student	CSE	
8.	Prateek	Student	CSE	
9.	Dhruv	Student	CSE	
10.	Mi .Sathi	Student	CV	
11.	Preetnam	Student	CV	
12.	Vikith .V .S .abian	Student	ME	
13.	Jenil Sean	Student	ME	
14.	Manwith K Amin	Student	CSE	
15.	Hrithik C H	Student	CSE	
16.	Bharish Malti	Student	ECE	
17.	Ashimethu .C .T	Student	ECE	
18.	Soundarya .B .S	Student	ECE	
19.	Spoonthi	Student	ECE	
20.	Dhanush -V	Student	ECE	

*Sangeetha*  
Coordinator

*[Signature]*  
Dean(Academics)

*[Signature]*  
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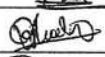




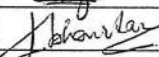



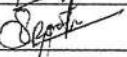

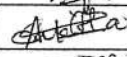
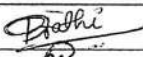



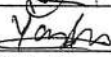


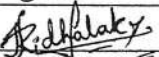
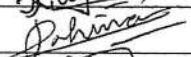
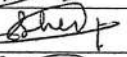
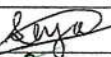

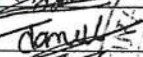

*[Signature]*  
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Mangaluru

Date: 27/04/2024

**Institute Innovation Council (IIC) & Research and Development Cell  
Jointly organizes Workshop on  
"Intellectual Property Rights (IPRs) and IP management for start-up"**

Venue: Seminar Hall-1

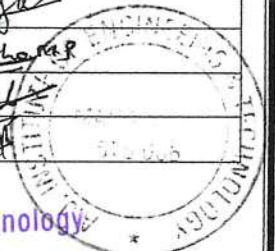
**ATTENDANCE SHEET**

Sl. No.	USN	Name	Department	Signature
1	43K22IS044	Poorvika. shetty	ISE	
2	47K22IS060	Vaishali. V.	ISE	
3	45K22IS019	Dhanya Shree	ISE	
4	45K22IS021	Esha v shetty	ISE	
5	45K22CS038	Prakrithi	CSE	
6	45K22CS053	Shreya	CSE	
7	45K23CS052	Khushi GB	CSE	
8	HJK23IC016	Samjana Acharya	ICB	
9	HJK23IC007	Ashvika Rai	ICB	
10	HJK23IC030	Pooja Shetty	ICB	
11	HJK23IC046	Spoorthy V shetty	ICB	
12	HJK23IC022	Kushi Bhandary	ICB	
13	45K22IS006	Ankitha R Devadiga	ISE	
14	45K22IS046	Pratheeksha R. Puthran	ISE	
15	45K23IC054	Thrisha m	ICB	
16	45K23IC020	Kriti. R	ICB	
17	HJK23IC028	Nanya Nair	ICB	
18	45K23IC061	Yashini	ICB	
19	45K23IC058	VYSHNAVI. D. B	ICB	
20	45K23IC045	shweta. m. s	ICB	
21	45K23IC037	Ridha Falak	ICB	
22	45K23IS035	Bahima R Uchil	ISE	
23	45K23IS047	Sanjana Shetty	ISE	
24	45K23AD054	Shrijana Shetty	AIDS	
25	45K23EC004	Arpitha. M	ECE	
26	45K23EC015	Tanani. K	ECE	
27	45K23EC060	Trisha	ECE	

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Sl. No.	USN	Name	Department	Signature
28	HJK23EC055	Sukhe	KCR	Bali
29	4JK23EC047	Shree Likhitha Shetty	ECE	
30	HJK23EC035	Romya. A S	ECE	Bh
31	4JK23EC030	Nishchitha-v.	ECE	AT
32	4JK23IC035	Purvi Vinayagam	ICB	Pu
33	4JK23IC017	Kaushal	ICB	Ka
34	4JK23CS035	Keerthana	CSE	Ke
35	4JK23CS041	Rakshitha	CSE	Ra
36	4JK23IC018	Kevin Paynard	ICB	Kevin P.
37	4JK23IC029	Nikhil	ICB	Nikhil
38	4JK23IC023	Naithvi	ICB	Na
39	HJK23IC008	Chashmitha	ICB	Ch
40	HJK23IC026	Nitha	ICB	Ni
41	HJK23IC021	Kriti VP	ICB	Kriti
42	4JK23IC006	Ashfaq	ICB	Ashfaq
43	HJK23IC003	Amrutha AR	ICB	Am
44	4JK23IC019	Wendy. V. She H4	ICB	Wendy
45	4JK23IC004	Angali Krishna	ICB	Ang
46	4JK23IC043	Shivani Sathyan	ICB	Shi
47	4JK23IC002	Akash. R. Acharya	ICB	Akash
48	4JK23IC049	Sriraj C	ICB	Sriraj
49	4JK23IC047	Sreeraj C	ICB	Sreeraj
50	4JK23IC001	Adhithya	ICB	Adhithya
51	4JK23IC050	Srujan	ICB	Srujan
52	4JK23IC044	Shreyas B	ICB	Shreyas
53	4JK23IC059	Yash. G. Shetty	ICB	Yash
54	4JK23IC040	Sandesh	ICB	Sandesh
55	4JK23IC048	Srujan	ICB	Srujan
56	4JK23IC055	Nichal	ICB	Nichal
57	4JK23IC054	Faisla	ICB	Faisla
58	4JK23IC060	Yashaswini	ICB	Yashaswini
59	4JK23IC036	Ranjitha	ICB	Ranjitha
60	4JK23AD045	Sakshi	AIDS	Sakshi
61	4JK23CS014	Arjun R	CSE	Arjun
62	4JK23CS024	Darshan P. Bhandary	CSE	Darshan
63	4JK23CS077	Prathwish	CSE	Prathwish
64	4JK23CS029	Devadiga. Suyash	CSE	Suyash
65	4JK23CS085	Davana	CSE	Davana
66	4JK23CS026	Deeksha G	CSE	Deeksha
67	4JK23CS011	Ananya P	CSE	Ananya
68	4JK23CS068	Neekshith	CSE	Neekshith

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Sl. No.	USN	Name	Department	Signature
69	4JK23IC024	Mayur M. Suvorna	CSE-ICB	Mayur
70	4JK23IC025	Milan - P	CSE-ICB	Milans P
71	4JK23IC053	Thashan D	CSE-ICB	Thashan D
72	4JK23IC014	Dishan Paj	CSE-ICB	Dishan Paj
73	4JK23IC013	Dishan Shresh	CSE-ICB	Dishan
74	4JK23IC011	Dhanyath	CSE-ICB	Dhanyath
75	4JK23IC015	Shrushti Krishna	CSE-ICB	Shrushti
76	4JK23IC051	Manan D	CSE-ICB	Manan D
77	4JK23IC041	Shamrith A	CSE-ICB	Shamrith
78	4JK23IC009	Chinag U. Shetty	CSE-ICB	Chinag
79	4JK23IC010	Darshan Chawan	CSE-ICB	Darshan
80	4JK23IC012	Dhyan P Amin	CSE-ICB	Dhyan
81	4JK23IC034	Poornesh	CSE-ICB	Poornesh
82	4JK23IC031	Pranayath	CSE-ICB	Pranayath
83	4JK23IC057	Vishnu R	CSE-ICB	Vishnu
84	4JK23IC033	Prasad	CSE-ICB	Prasad
85	4JK23IC087	Mohammed Fazil	CSE-ICB	Mohammed
86	4JK23AD050	Shubraath Shetty	CSE-ADPS	Shubraath
87	4JK23AD026	Mohammed Fauz	CSE-ADPS	Mohammed
88	4JK23CS058	Manish Kumar	CSE	Manish
89	4JK23CV021	Shivamanda H Sengondhi	CIVIL	Shivamanda
90	4JK23CV018	Ruthik B	CIVIL	Ruthik
91	4JK23EC057	Sushanth D	ECE	Sushanth
92	4JK23EC029	Nirish. Kaiga	ECE	Nirish
93	4JK23EC017	Kaushik	ECE	Kaushik
94	4JK23EC021	Manish M. Achariya	ECE	Manish
95	4JK23EC036	Rishab Y. Ullal	ECE	Rishab
96	4JK23EC038	S. Likhith Shettigar	ECE	S. Likhith
97	4JK23EC032	Prabhath S	ECE	Prabhath
98	4JK23EC022	Manvith	ECE	Manvith
99	4JK23EC033	Pragwal	ECE	Pragwal
100	4JK23EC007	Bhashan	ECE	Bhashan
101	4JK23EC039	Samarth	ECE	Samarth
102	4JK23EC044	Shiva Kumar	ECE	Shiva
103	4JK23IS059	Udit	ISE	Udit
104	4JK23IS056	Sumukh	ISE	Sumukh
105	4JK23IC034	Poithui	ICB	Poithui
106	4JK22CS003	Adon Mathew Joseph	CSE	Adon
107	4JK23CV202	Prakash	CV	Prakash
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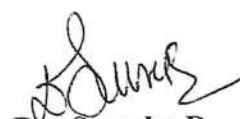
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**Dr. Laxmi Gulappagol**  
**Dr. Sangeetha D M**  
IIC – Innovation Coordinator



**Dr. Gnane Swarnadh Satapathi**  
R&D Coordinator



**Dr. Suresha D**  
IIC Convenor



**Dr. P Mahabaleshwarappa**  
Dean Academics



**Dr. Shantharama Rai C**  
Principal  
Principal  
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