



JANSONS INSTITUTE OF TECHNOLOGY

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Coimbatore, Tamil Nadu- 641 659, www.jit.ac.in



JIT ISTE STUDENT CHAPTER

in association with

JIT-IIC Organizes

A Workshop On

“Problem Solving and Ideation”



Dr. S. Praveen Kumar

Assistant Professor (Sr. G)

Department of Mechatronics Engineering,

Kongu Engineering College



Date: 08.10.2022

Time: 10.30 AM to 12.00 PM

Venue: Seminar Hall



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Indian Society for Technical Education

in Association with JIT-IIC

Organizes

A workshop on

Problem Solving and Ideation

on 08-10-2022 at Sivaganga Auditorium

AGENDA

10:30 AM	Tamil Thai Valthu
10:35 AM	Welcome Address and Unveiling the profile of Resource Person Mr.P.Akshay, II ECE, Secretary, JIT ISTE Student Chapter.
10:40 AM	Problem Solving and Ideation Dr.S. Praveen Kumar, Assistant Professor (Sr. G), Department of Mechatronics Engineering, Kongu Engineering College.
12:45 PM	Student Interaction
12:50 PM	Feedback
12:55 PM	Vote of Thanks Ms.C.Subarna, II ECE, Member, JIT ISTE Student Chapter.
1:00 PM	National Anthem

Faculty Advisor
(Mrs.P.Sivamani)





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Event Report

Title : A Workshop on Problem Solving and Ideation

Date (from & to) : 8.10.2022

Time (from & to) : 9.30 am to 12.00pm

Venue (online / offline) : Sivaganga Auditorium

Organised by : Indian Society for Technical Education

In association with : JIT IIC

Student Activity : Yes / No

Topic : A Workshop on Problem Solving and Ideation

JIT Website : https://jit.ac.in/club_event_details.php?eid=577



<https://www.facebook.com/photo?fbid=553876679877615&set=a.522181053047178>



<https://www.instagram.com/p/CjkgYwyLROQ/>



https://twitter.com/JIT_Official/status/1579783851185823744/photo/1

Event Objective

This workshop aims to spark innovation and draw out a sense of creativity among students and faculty members to augment Knowledge and develop problem solving and Entrepreneurial skills of students and also inculcate the importance of innovation and idea generation.

Event Summary

Workshop on "Problem Solving and Ideation" organized on 08.10.2022 by the JIT-ISTE student chapter in association with JIT-IIC at Jansons Institute of Technology, Coimbatore. Dr. . Praveen Kumar, Assistant Professor (Sr. G), Department of Mechatronics Engineering, Kongu Engineering College, shared his knowledge and experience on the steps involved in problem solving and ideation process. The resource person clearly stated that finding a solution to a problem requires both the ability to define it clearly and problem-solving skills and thus he briefed about the importance of creative thinking and strategic thinking. He insisted that the innovation should be useful to the society and at the same time it should be available at affordable cost. An interactive question and answer session reinforced the event from the perspective of the participants. The session was instructive and informative to the students and faculty members who took part in the event.

Event Photographs



Prayer Song



Mr.P. Akshay of II ECE welcomes the gathering



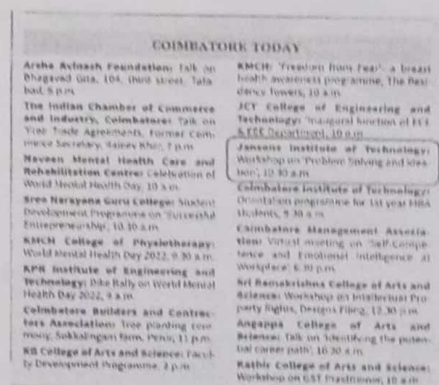
During the session



Students' active participation in the session



Chief Guest Interaction with Students



Today's Engagement Column in Hindu News paper

Event Outcomes

The session was focused on exploring innovative ideas and solving problems with insightful activities and learning lessons for students and faculties.

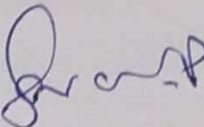
Event Feedback

How would you rate the visit in terms of preparation and flow?	<p>Excellent 84%</p> <p>Very Good 10%</p> <p>Good 4%</p> <p>Fair 2%</p>
The content and activities of the event has increased my knowledge.	<p>Strongly Agree 83.5%</p> <p>Agree 15.5%</p> <p>Neutral 1%</p> <p>Disagree 0</p>
How would you rate the speaker in terms of knowledge and presentation?	<p>Excellent 82.5%</p> <p>Very Good 9.5%</p> <p>Good 6%</p> <p>Fair 2%</p>
How do you rate the overall program?	<p>Very Satisfied 86%</p> <p>Satisfied 9%</p> <p>Neutral 5%</p> <p>Dissatisfied 0</p>
Suggestion for Improvements (If any)	

No. of Participants / Benefices

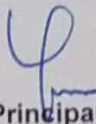
Total (Participants / Benefices)	Students	Faculty	Students (Outside institution)	Faculty (Outside institution)
123	118	5	-	-

Date of report submission: 10.10.2022



Faculty Advisor
(Mrs.P.Sivamani)





Principal
PRINCIPAL
JANSONS INSTITUTE OF TECHNOLOGY
KARUMATHAMPATTI
COIMBATORE - 641 659.



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A Workshop on Problem Solving and Ideation

on 08-10-2022

Sl. No.	Register No.	Name	Year & Department	Attendance
1	711120106072	R.V. Hemanth	III rd & ECE	R.V. Hemanth
2	71120106050	M. Venkata Tharun	III - ECE	M. Venkata Tharun
3	71120106086	V.V. Abhinav Kumar	III - ECE	V.V. Abhinav Kumar
4	71120106067	P. Venkata nareen	III - ECE	P. Venkata nareen
5	71120106087	Vangapandu Akshel	III - ECE	Vangapandu Akshel
6	71120106069	Palavalli Lokesh Reddy	III - ECE	Palavalli Lokesh Reddy
7	71120106061	P. Suresh Kumar	III - ECE	P. Suresh Kumar
8	71120106089	Venkatesh kanugula	III - ECE	Venkatesh kanugula
9	71120106064	DANDIYAN.V	III - ECE	DANDIYAN.V
10	71120106080	SRI.S	III - ECE	SRI.S
11	71120106071	Ranjith . A	III - ECE	Ranjith . A
12	71120106070	Ragipati Haris	III - ECE	Ragipati Haris
13	71120106082	T. V. Sai Praveen	III - ECE	T. V. Sai Praveen
14	71120106074	Sadhanala Abhikrishna	III - ECE	Sadhanala Abhikrishna
15	71120106078	Sk. Nayab Rasool	III - ECE	Sk. Nayab Rasool
16	71120106052	MUKTHI RAKESH KUMAR	III - ECE	MUKTHI RAKESH KUMAR
17	71120106073	Rajani Balaji	III - ECE	Rajani Balaji
18	71120106056	N. Rohitha	III - ECE	N. Rohitha
19	71120106068	P. Vyshnavi Reddy	III - ECE	P. Vyshnavi Reddy
20	71120106065	P. Guna Sundar Reddy	III - ECE	P. Guna Sundar Reddy
21	71120106085	U. Abhi chowdary	III - ECE	U. Abhi chowdary



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PARTICIPANTS ATTENDANCE

Sl. No.	Register No.	Name	Year & Department	Attendance
22	711120106060	M.c. Nidhi Anand	III rd ECE	
23	711120106076	S. Sru Navya	III ECE	
24	711120106079	S. Shanthi B.	III ECE	
25	711120106081	Sneetha .R	III ECE	
26	711120106069	Ragasudha .S	III ECE	
27	711120106076	Sandhya .k	III ECE	
28	711120106048	D. MANIKANDAN	III ECE	
29	711121106011	R.S. Boomija	II ECE	
30	711121106005	Atta Ramasai Tejaswini	II ECE	
31	711121106019	Dhana Sri P	II ECE	
32	711121106028	Haripriya .V	II ECE	
33	711121106029	V. Haripriyanga	II ECE	
34	711121106044	S. Lwya	II ECE	
35	711121106020	B. Dharshani	II ECE	
36	711121106021	K. Divyabhargathi	II ECE	
37	711121106036	S. Jayasri	II ECE	
38	711121106031	K. Harshini	II ECE	
39	711121106033	S. Infanta christina Lowtheman	II ECE	
40	711121106035	J. Raja Mairuddin	II ECE	
41	711121106037	J. Vinay Kumar	II ECE	



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Sl. No.	Register No.	Name	Year & Department	Attendance
42	711120106010	Avisala. Madhavi	III ECE	Anna
43	711120106011	chilaka Leelavathi	III ECE	Leelavathi
44	711120106025	G. Praveen	III ECE	G. Praveen
45	711120106045	L. Ravichandra Reddy	III ECE	L. Ravichandra Reddy
46	711120106042	S.S. Kalaiselvi	III ECE	S.S. Kalaiselvi
47	711120106021	D. Sankethana	IV ECE	D. Sankethana
48	711120106006	A. Srideepthi	III ECE	A. Srideepthi
49	711120106003	A. Kanya Chandrasekhar	III ECE	A. Kanya
50	7111201060301	R. Dakshana	III ECE	R. Dakshana
51	711120106040	J. Jocin	III ECE	J. Jocin
52	7111201060303	B. Priscilla Diji	III ECE	B. Priscilla Diji
53	711120106027	Gayathri M	III - ECE	Gayathri M
54	711120106028	G. Megha Harsho	III - ECE	G. Megha Harsho
55	711120106025	G. Praveen	III - ECE	G. Praveen
56	711120106034	G. Kiran	III - ECE	G. Kiran
57	711120106026	G. Rakesh	III - ECE	G. Rakesh
58	711120106032	G. Sanjay	III - ECE	G. Sanjay
59	711120106043	K. Gauri Nandini	IV - ECE	K. Gauri
60	711120106019	Ch. Manikanta	III - ECE	Ch. Manikanta
61	711120106007	A. Hariprem	III - ECE	A. Hariprem



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Sl. No.	Register No.	Name	Year & Department	Attendance
62	711120106029	Gowtham - S	III rd ECE	S. Gowtham
63	711120106029	Pa. Ashwin Kumar	III rd ECE	Pa. Ashwin
64	711120106041	J. Jay prakash Reddy	III rd ECE	J. Jay prakash
65	711120106024	E. Devendur Reddy	III rd ECE	E. Devendur
66	711120106012	B. Manoj	III rd ECE	B. Manoj
67	711120106016	Ch. Rahul	III rd ECE	Ch. Rahul
68	711120106022	D. Hanichandra	III rd ECE	D. Hanichandra
69	711120106037	INJ. Suvroop	III rd ECE	INJ. Suvroop
70	711120106020	D. Harwanth	III rd ECE	D. Harwanth
71	711120106008	A. Jaya prakash	III rd ECE	A. Jaya prakash
72	711120106033	G. Adhwarsh Yadav	III rd ECE	G. Adhwarsh
73	711120106022	D. Venkatesh	III rd ECE	D. Venkatesh
74	711120106026	G. Manoj Reddy	III rd ECE	G. Manoj Reddy
75	711120106004	Alampally Sai Neeraj	III rd ECE	Alampally Sai
76	711120106001	A. Mahohar Reddy	III rd ECE	A. Mahohar
77	711120106031	G. Praveen Kumar Reddy	III rd ECE	G. Praveen
78	711121106004	A. pavan	II - ECE	A. Pavan
79	711121106034	J. Hima kran	II - ECE	J. Hima kran
80	711121106042	K. Lokesh	II - ECE	K. Lokesh
81	711121106027	G. Jagadeesh	II - ECE	G. Jagadeesh
82	711121106016	C.R.P. Gowri Siva Sai	II ECE	C.R.P. Gowri Siva Sai



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Sl. No.	Register No.	Name	Year & Department	Attendance
83	711121106080	C. Subarna	II - ECE	P. Subarna
84	711121106051	Sharon, X	II - ECE	Sharon X
85	711121106061	L. Parameshwari	II - ECE	L. Parameshwari
86	711121106088	MS Veshnu	II - ECE	MS Veshnu
87	711121106071	P. Deepika	II - ECE	P. Deepika
88	711121106055	A. Noor Aarifa	II - ECE	A. Noor Aarifa
89	711121106069	S. Priyadharsini	II - ECE	S. Priyadharsini
90	711121106047	Madana Vasuda	II - ECE	Madana Vasuda
91	711121106084	T. Sanamuthan V	II - ECE	T. Sanamuthan V
92	711121106046	Logu Prakash	II - ECE	Logu Prakash
93	711121106072	Rabin Ram. P	II - ECE	Rabin Ram. P
94	711121106091	Sujith	II - ECE	Sujith
95	711121106089	Vibin Anto	II - ECE	Vibin Anto
96	711121106066	Pranesh. S	II - ECE	Pranesh. S
97	711121106067	Pranesh. S	II - ECE	Pranesh. S
98	711121106068	Pranesh.	II - ECE	Pranesh.
99	711121106053	N. Bhargava	II - ECE	N. Bhargava
100	711121106064	Narasimha	II - ECE	Narasimha
101	711121106056	N. Rakesh Reddy	II - ECE	N. Rakesh Reddy
102	711121106083	T. Sai Jaswanth	II - ECE	T. Sai Jaswanth
103	711121106062	P. Venkata Ramalingulu	II - ECE	P. V. R.



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Sl. No.	Register No.	Name	Year & Department	Attendance
104	711121106058	P. S. Sreenivasan	II - ECE	P.S. Sreenivasan
105	711121106079	S.K. Mahamad Mouli	II - ECE	ShaiK Mouli
106	711121106050	M. Sree Ram	II - ECE	M. Ram
107	711121106081	T. chasmishreya	II - ECE	T. ch.
108	711121106085	U. Ramya sree	II - ECE	U. Ramya
109	711121106078	Sk. FIROZ	II - ECE	Sk. F.
110	7111211060705	Hari Prasad Reddy	II ECE	Hari Prasad
111	711121106065	Ashok Kumar Reddy	II ECE	Ashok
112	711121106052	M. Tejas	II ECE	Tejas
113	711121106054	N. Indu Vardhan Reddy	II ECE	N. Indu
114	711121106087	V. Badrinadh	II ECE	V. Badrinadh
115	711121106049	M. Daniel Raj	II - ECE	M. Daniel
116	711121106059	P. Dattu Kumar	II - ECE	P. Dattu
117	711121106090	Y. Sai Teja	II - ECE	Y. Sai Teja
118	711121106077	S. Gnana Vaarshika	III rd - ECE	S. Gnana
119	711120106058	J. NARESH PRASANNA	III rd - ECE	J. Naresh
120	711120106054	M. Vishnu Vardhan	III - ECE	M. Vishnu
121	711120106062	P. Lokesh Reddy	III - ECE	P. Lokesh
122	711120106072	R.V. Hemanth	III - ECE	R.V. Hemanth
123	711120106057	N. Mahesh Babu	III - ECE	N. Mahesh

Date: 08.10.2022

[Signature]
Faculty Advisor
JIT ISTE Student chapter.

1. **Name:** Dr. S. Praveen Kumar
2. **Gender:** Male
3. **Date of Birth:** 05.09. 1986
4. **Age:** 35 Years
5. **Category:** OBC
6. **Designation & Affiliation:** Assistant Professor (Sr. G)
Department of Mechatronics Engineering,
Kongu Engineering College
7. **Postal Address:** Dr. S. Praveen Kumar,
Assistant Professor (Sr. G),
Department of Mechatronics Engineering,
Kongu Engineering College,
Perundurai- Erode- 638060,
Tamilnadu, India
8. **Phone/ Mobile Numbers:**+91 6382650340, +91 9500575414
9. **E- mail ID:** praveenkumar.mts@kongu.edu, prvn.nayaki@gmail.com

10. Qualifications:

S. No	Degree	Institution	Year
1	B. E	MEPCO SCHLENK Engineering College, Anna University, Chennai	2008
2	M. E	Kongu Engineering College, Anna University, Coimbatore	2011
3	Ph. D	Anna University, Chennai	2020

11. Employment Experience:

S. No	Position and Organization	Nature of Job	Period	
			From	To
1	Assistant Professor (Sr. G), Kongu Engineering College	Teaching	01. 06.2020	Till Date
2	Assistant Professor		01.06.2011	31.05.2020
3	Software Engineer, Infosys Technologies Ltd, Bangalore	Software Engineer	10.11.2008	08.05.2009

12. List of Publications:

Journals Published (National)

1. Praveen Kumar.E., Karthikeyan.S., Nithyanandham., Tony Thomas.A., **Praveen Kumar. S** "Design and Development of Semi-Automatic Bot For Agricultural Applications", International Journal of Innovative Research in Science, Engineering and Technology, Volume3, Special Issue 2, (April 2014)

Journals Published (International)

1. R. Parameshwaran., **S. Praveen Kumar.**, K. Saravanakumar., "An Integrated Fuzzy MCDM Based Approach for Robot Selection Considering Objective And Subjective Criteria", Applied Soft Computing, ELSEVIER Publications, 26 (2015), pp: 31–41 (**Impact Factor: 4.873**)
2. **S. Praveen Kumar**, R. Parameshwaran, A. Ananthi, J. Jenil Jaba Sam "Parameter Characterization in Processing of Silver - Aluminum Based Electrical Contact Materials, Archives of Metallurgy and Materials 62, no. 3 (2017): 1895-1901. (**Impact Factor: 0.697**)
3. S.K.Dhinesh, R.Parameshwaran, **S.Praveen Kumar**, " Influence of High Voltage on Heat Transfer Performance in Automobile Radiators ", International Journal of Innovative Technology and Exploring Engineering, Volume-8 Issue-2S2 (December, 2018), pp:111 (**Scopus Indexed**)
4. **Kumar, S. P.**, Parameshwaran, R., Kumar, S. A., Nathiya, S., & Heenalisha, K. (2020). Electrical and mechanical studies on pure-silver coated aluminium based electrical contact materials. *Materials Today: Proceedings*, 33, 3621-3625. (**Scopus Indexed**)
5. **Kumar, S. P.**, Gayatri, R. H., Nathiya, S., & Hemachander, R. (2021, February). Design And Fabrication Of Semi-Automated Facsimile Stamping Machine. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1055, No. 1, p. 012085). IOP Publishing (**Scopus Indexed**)
6. **Kumar, S. P.**, Srihariharan, D., Adithya, K. S. H., & Hemachander, R. (2021, February). Design and Fabrication of Iot Switch with Manual Override. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1055, No. 1, p. 012086). IOP Publishing (**Scopus Indexed**)

Paper Presented in National Conferences

1. Dhinesh. S. K., **Praveen Kumar. S.**, "Improving the cooling performance of automobile radiators by applying electric field in various coolants ", NCIMMBS, 2013 & Kongu Engineering College, April 2013
2. Ananthi. A., **Praveen Kumar. S.** " Automatic Room Cleaning", Jansons Institute of Technology, Coimbatore, May 2013

3. Sangeeth Kumar. R., **Praveen Kumar. S**, " Industrial Survey And Failure Analysis of Electrical Contact Materials", NCIMMBS, 2014 & Kongu Engineering College, March 2014
4. Tony Thomas. A., Praveen Kumar. E., Karthikeyan. S., Nithyanandham. C, **Praveen kumar. S** "Semi Automatic Bot for drying applications", Second National Conference On Trends in Automotive Parts Systems and Applications at Krishna engineering college, Coimbatore, March 2014
5. **Praveen Kumar. S**, Parameshwaran. R and Ananthi. A "Failure prioritization in electrical contactors using fuzzy based Extended VIKOR methodology" National Conference on Innovations in Mechanical, Mechatronics and Building Sciences on March' 2015 at Kongu Engineering College
6. **Praveen Kumar. S**, Parameshwaran. R, Ananthi. A, Sureshbabu. A and Saravanan. B "Properties comparison for electrical contact composite materials" National Conference on Innovations in Mechanical, Mechatronics and Building Sciences on March' 2015 at Kongu Engineering College
7. **Praveen Kumar. S**, Parameshwaran. R and Ananthi. A, Subash Chandrabose. M and Ajith. S "Effect of stirring on electrical contact in composite materials" National Conference on Innovations in Mechanical, Mechatronics and Building Sciences on March' 2015 at Kongu Engineering College
8. **Praveen kumar. S**, Parameshwaran.R, Dharani, Pujaa.C. S "Prioritization of failure modes and material choices for electrical contactor using MCDM" National Conference on Innovations in Mechanical, Mechatronics and Building Sciences on March' 2017 at Kongu Engineering College

Paper Presented in International Conferences

1. Dhinesh.S.K, **Praveen Kumar.S**, " Review of Improving the cooling performance of Automobile radiator.", 5th International conference on Science , Engineering and Technology (SET 2012) & VIT, Vellore, November 2012
2. Dhinesh.S.K, **Praveen Kumar. S**, " Influence of high voltage on heat transfer performance in Automobile Radiators.",6th International conference on Science , Engineering and Technology(SET 2013) & VIT, Vellore, May 2013
3. Sangeeth Kumar.R, **Praveen Kumar. S**, "Industrial survey and Failure analysis of electrical contactors", International Conference on Innovative Engineering Skills (ACETIC 2014) & Aishwarya College of Engineering, Bhavani, December 2013
4. **Praveen Kumar. S**, Parameshwaran. R and Ananthi. A "A fuzzy based failure analysis in electrical switching applications using weighted geometric mean technique" International Conference on Advances in Design & Manufacturing on December' 2014 at National Institute of Technology
5. Arun Kumar.V, **Praveen Kumar.S**, NaveenRaj.C Ajith.A "Automatic Line Marking Machine" International conference on "Modern, Intelligent and Green Manufacturing"

organized by Erode Sengunthar Engg. College and ASIA Pacific University of Tech & Innovation, December 2015

6. **Praveen Kumar. S**, Parameshwaran. R and Ananthi. A, Jenil Jeba Sam “Processing of Silver- Aluminium based electrical contact materials” International Conference on "Sustainable Materials, Design and Applications" 2016 at SBMS, KEC
7. **Praveen Kumar S**, Vignesh R.M., Ajith. S, Santosh L "Semi Automatic Facsimile Stamping Machine" International Conference on "Sustainable Materials, Design and Applications" 2016 at SBMS, KEC
8. **S. Praveen Kumar**, R. Parameshwaran, A. Ananthi, N.Muthu Kumaran and M.Vishnu Prasanth “Material Selection For Electrical Switching Applications Using MCDM Methodologies”, International Conference on “ Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems” 2018 at NITT
9. **S. Praveen Kumar**, R. Parameshwaran, R. Guru Manoj and R. Prashanna Rangan, “Fatigue analysis of AgAlSnO₂ as electrical contact material”, International Conference on “ Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems” 2018 at NITT
10. **S. Praveen Kumar**, “Damage factor analysis in fabric from automatic dyeing Jigger”, International Conference on “ Latest Trends in Science, Engineering and Technology” 2019, Karpagam Institute of Technology
11. **Kumar, S. P.**, Gayatri, R. H., Nathiya, S., & Hemachander, R. (2021, February). Design And Fabrication Of Semi-Automated Facsimile Stamping Machine. In INTERNATIONAL VIRTUAL CONFERENCE ON ROBOTICS, AUTOMATION, INTELLIGENT SYSTEMS AND ENERGY (IVC-RAISE 2020)
12. **Kumar, S. P.**, Srihariharan, D., Adithya, K. S. H., & Hemachander, R. (2021, February). Design and Fabrication of Iot Switch with Manual Override. In International Virtual Conference On Robotics, Automation, Intelligent Systems And Energy (IVC-RAISE 2020)

13. Patents filed/ granted with details:

Indian patent: (http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4767_1/Part-2.pdf)

1. S. Praveen Kumar, M. Muthu Karthik, P.S. Sanjay, B. Naveen Kumar, “An automated seed extraction system for removing dried seeds from dried legume fruits”, 201741046826 A, Intellectual property of India (IPI), The patent office Journal No. 27/2019, dated 05/07/2019, pp. 28296

14. Books published/ Chapters contributed:

1. Bhuvanesh Kumar, M, Senthil, SM, & **Praveenkumar, S**, 2021,” Electron Beam Melting”, Banthom Sciences.
2. Bhuvanesh Kumar, M, **Praveenkumar, S** & Senthil, SM, 2021,” Ultrasonic Machining”, Banthom Sciences.

15. Awards/ Recognition:

1. Awards / Recognition for projects: 03 projects from KEC + 02 External

- MitsubishiElectricCup:National FifthPosition
- RobotAIExpoand conference:Innovative ProductAward
- NationalInnovationContest:NationalWinners (3Projects)
- NationalInnovationContest:FinancialAssistancethroughIncubators(2Projects)

2. Awards/ Recognitions received from Professional Bodies:

S. No.	Title of Awards	Agency	Month and Year
1	TeamMentor	Arvato Bertelsmann and IIT Madras, Chennai	October 2013
2	Best NSS Programme Officer 2015-16	NSS Cell, Anna University, Chennai	November 2015
3	AppreciationAward	Mitsubishi Electric Pvt. Ltd	February 2018
4	DepartmentBestFaculty	Kongu Engineering College, Perundurai	March 2018
5	DepartmentBestProjectAward	Kongu Engineering College, Perundurai	March 2018
6	Special award for productdevelopment(2 awards) SmartCNC 2) Dried Coconut Cutter machine	Kongu Engineering College, Perundurai	March 2018
7	Outstanding Innovative approachand contribution to the Robot AI Expo and conference 2018	Indian Innovators Association	July 22 nd 2018
8	QualifierofDesign Contest2018	DST & Texas Instruments IndiaInnovation Challenge anchored byIIMBangalore	December 2018
9	Certified Solidworks Associative and Professional (CSWA &CSWP)	Dassault Systems,UK	December 2019
10	Innovation Ambassador – DesignThinkingand Innovation	AICTE, MHRD and IIC	January2020
11	Top Performer Award for theacademicyear2019-2020	Kongu Engineering College, Perundurai	July 2020

16. Sponsored Research projects as PI: NIL

17. Consultancy Projects:

S. No	Title	Sponsoring Agency	Period	Amount (Rs.)
1	Design and Fabrication of Coconut Cutting Machine	M/s, Adiyar Exports, Chennai	30.12.2017 to 02.02.2018	14,160.00
2	Fabrication of 2 x 2 CNC Router Machine	M/s. ZionLasers	20.08.2018 to 10.09.2018	18,644.00
3	Engineering Scales – Design & 3D printing	MAK Scales, Prayasee, TBI@KEC	04.07.2019	4,956.00
4	Casing for Biometric Sensors	Logic Research Labs, Thanjavur	25.09.2019	24,544.00
5	Casing for Accelerometer in Dynamic Scenarios	TNSTC, Erode	20.09.2019	4,130.00
6	Disinfection Tunnel for Combatting Covid-19	Siva Sight Foundation & CII, Erode	04.04.2020 to 04.06.2020	65,000.00

18. Research/ Consultancy Projects submitted for Approval:

S. No	Title	Agency to whom submitted	Duration	Date of Submission	Amount (Rupees in Lakhs)	Status
1	Smart IoT Based Non-Contact Type Sanitizing Booth for Ensuring Hygiene of Personals at Workplace	TNSCST	15 Months	16.06.2020	4.95	Under Review
2	Idea Lab	AICTE	36 months	31.01.2021	110.00	Finalist
3	ATAL Community Innovation Centre	AICTE	36 months	31.12.2021	630.00	Finalist
4	Development of Intelligent Powder-based 3D Metal Printer with Integrated Post-Processing Unit and Industry 4.0 Features	DST/AMT Program	24 months	13.10.2021	128.24	Recommended
5	Enhancement of Education towards Sustainability, Innovation, Performance and Delivery through Academia-Industry Partnership	ICSSR	24 months	03.02.2022	6.00	Sanctioned