

A Report on

PROJECT EXHIBITION
&
PAPER PRESENTATION

ACADEMIC YEAR- 2022-23



Organizedby

DEPARTMENT OF MECHANICAL ENGINEERING

ON

28TH & 29TH APRIL 2023

One day project exhibition and one day paper presentation of final year project works-2023 was organized in the department of Mechanical Engineering on 28th and 29th April, 2023.

The inaugural of the project exhibition witnessed the presence all the Honourable K S Management Committee Dignitaries, our beloved principal & director Dr.DilipKumarK. and our beloved HOD Dr.M.Umashankar along with the staff members' of department of mechanical KSIT.



Glimpse of event

This exhibition offered a platform for students to present & exhibit their innovative projects, and also unleash their potential to demonstrate their learning experience.

The projects carried out by the students were with respect to the issues like technology in environmental, societal, multidisciplinary, research based, computational skills using modern tools and product development in the field of agriculture, industrial automation, rural development and others innovative areas

The following were the project teams participated in project exhibition and Paper presentation

Batch no.	Name	USN	TITLE	PROJECT GUIDE
1	JASWANTH S	1KS19ME013	FABRICATION OF SMART IRRIGATION SYSTEM USING IOT	Dr. Girish TR
	SHREYAS B	1KS19ME030		
	SUJAY ADITHYA	1KS19ME033		
	THEJAS VR	1KS19ME035		
2	NIHAL ML	1KS19ME019	ELECTRO PLATING OF DISC ROTOR WITH COPPER	Mr.Nagabhushana M
	ABHISHEK MANIKUMAR	1KS18ME001		
	ROJA G NAIK	1KS18ME057		
	RAMACHANDRA S	1KS19ME028		
3	HEMANTH K	1KS19ME011	DESIGN AND FABRICATION OF SOLAR DRYER SYSTEM FOR ONION	Dr.Nirmala L
	JITHAN A	1KS19ME016		
	MADHU V	1KS19ME017		
	NITESH SR	1KS19ME020		
4	ACHINTHAY S SAROVER	1KS19ME001	DESIGN AND FABRICATION OF AUTOMATIC PESTICIDE SPRAYER	Mr.Prasad K
	AJITH KUMAR R	1KS19ME003		
	MANUKUMAR DK	1KS19ME018		
	ROHITH S	1KS18ME056		
5	PRASANNA KUMAR G	1KS19ME022	PNEUMATIC 4-AXIS MATERIAL HANDLING ROBOT	Dr.Saleem Khan
	PRATAP REDDY	1KS19ME023		
	R.DEEPAK A RAO	1KS19ME024		
	RAKSHITH NAGESH	1KS19ME022		
6	MANOJ REDDY R	1KS19ME025	EXPERIMENTAL STUDIES ON OSCILLATING HEAT PIPES USING CONVENTIONAL NANO FLUIDS	Mr.Parashuram k
	RAHUL R	1KS19ME026		
	SRI KRISHNA SANTHOSH	1KS19ME032		

	SYED ASMA ASHEER	1KS19ME034		
7	ANUSH S	1KS18ME008	WASTE SEGREGATION USING IMAGE PROCESSING	Mr.Manjunath BR
	ATIF SHAIK	1KS18ME010		
	KARTHIK GS	1KS18ME024		
	PRAJWAL NIKAM	1KS18ME048		
8	ARUN KUMAR M	1KS19ME009	DESIGN AND CONSTRUCTION OF INTEGRATED SHREDDER AND DOMESTIC COMPOSTING DEVICE	Mr.Ranganath N
	CHARITH S	1KS19ME008		
	SANJAY V	1KS19ME029		
	VENKATARAMANA G BHAT	1KS19ME039		
9	BHAVAN KASHAYAP K	1KS19ME005	GENERATION OF ELECTRICAL ENERGY USING NEODYMIUM MAGNETS IN DOUBLE CYLINDER ACTUATOR	Mr.Anilkumar A
	ADVAIT SIDDANTH KV	1KS19ME002		
	TILAK P	1KS19ME036		
	VAISHANAV H	1KS19ME037		
10	JAYANTH TK	1KS19ME014	CHARACTERIZATION & DETERMINATION OF BRIQUETTE FUEL FROM CORN CUB AND COCONUT COIR	Dr.Nagaprasad KS
	DHANUSH GOWDA M	1KS19ME010		
	PRAJWAL	1KS19ME021		
	JEEVAN BS	1KS19ME015		
11	DARSHAN	1KS19ME009	FABRICATION OF SMART DUSTBIN WITH CRUSHER MACHINE	Mr.Harish U
	ZAFFAR ABDULLA SHEIK	1KS19ME040		

The following were the JUDGES INVITED for Evaluation of the project works

JUDGE-1 Mr.Rajeeva V Manager Helicopter Division, HAL, Bangalore	JUDGE-2 Mr. Rathode Raj Kumar DGM Helicopter Division, HAL,Bengaluru
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The following were invited as Session chair for paper presentation of the project works

Session Chair Dr. Kamesh Professor, MED DSAE, Bangalore
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Judges Evaluated project works considering the following criteria

Theoretical and Fundamental Knowledge /PO1	Problem Analysis /PO2	Design Development/PO3 (Modern Tool usage)/PO5	Analysis of Result • Use the appropriate analysis approach(s) to interpret the gathered data into sensible findings/PO4	Communicate on project work through report and presentation/PO9	Sustainable Development Recommendation for implementation, further research and commercialization/PO7
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Best project of the Academic Year:2022-23

Batch No 08	ARUN KUMAR M	1KS19ME009	DESIGN AND CONSTRUCTION OF INTEGRATED SHREDDER AND DOMESTIC COMPOSTING DEVICE	First Prize
	CHARITH S	1KS19ME008		
	SANJAY V	1KS19ME029		
	VENKATARAMANA G BHAT	1KS19ME039		
Batch No 01	JASWANTH S	1KS19ME013	FABRICATION OF SMART IRRIGATION SYSTEM USING IOT	Second prize
	SHREYAS B	1KS19ME030		
	SUJAY ADITHYA	1KS19ME033		
	THEJAS VR	1KS19ME035		

Best paper of the Academic Year:2022-23

Batch No 03	HEMANTH K	1KS19ME011	DESIGN AND FABRICATION OF SOLAR DRYER SYSTEM FOR VEGETABLES	First Prize
	JITHAN A	1KS19ME016		
	MADHU V	1KS19ME017		
	NITESH SR	1KS19ME020		
Batch No 08	ARUN KUMAR M	1KS19ME009	DESIGN AND CONSTRUCTION OF INTEGRATED SHREDDER AND DOMESTIC COMPOSTING DEVICE	Second prize
	CHARITH S	1KS19ME008		
	SANJAY V	1KS19ME029		
	VENKATARAMANA G BHAT	1KS19ME039		

Project exhibition Outcome:

Students were able to improve communication skills and presentation skills through this exhibition

Event	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Project exhibition - 2022	-	-	-	-	-	-	-	3	3	3		

Outcomes of the Project exhibition

- Other than final year students all the I year , II year and III year students got to know the importance of project work and get motivated to opt their project work innovatively.
- Students were able to improve communication and presentation skills by interacting with judges


HOD
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.


Principal
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K S INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
PROJECT WORK PHASE-II
ACADEMIC YEAR 2022-23

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