



**Project Name :** AFFORDABLE STAIRS LIFT FOR ELDERLY AND PHYSICALLY CHALLENGED

**Students Name :** MUHAMMED RAASHID, NAVEEN RAJU P , PAVAN THEJASVI R and YASHWANTH KUMAR S

**Guide Name :** Dr. CHETHAN S

Winners of YANTRIX 2023

&

Received a fund of 7000 Rs from KSCST



### MoU

A memorandum of understanding is an agreement between Mechanical Department and other organizations outlined in a formal document. It is not legally binding but signals the willingness of the parties to move forward with a contract.

- \* HINDUSTAN SPRING MFG Co
- \* LAKSHMI SPRINGS & PRESSINGS
- \* UNIVERSAL AUTOMOBILES & DAIRY PRODUCTS
- \* GT&TC, Mysuru

### 2022-23 EVEN Semester Academic Toppers

	IV-semester	VI-semester	VIII-semester
I	Likith A P 7.59 SGPA	Adarsha M 8.83 SGPA	Prajwal M Y 9.83 SGPA
II	Abhishek R L 7.32 SGPA	Madhusudhan R 8.67 SGPA	Anuraj S 9.67 SGPA



# MECH TIMES

Bi-Annual Newsletter

Volume: 9, Issue: 2

August-2023



FROM EDITORS' DESK

### EDITORIAL BOARD

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Mr. Hemanth B R



I'm happy to bring out 9<sup>th</sup> volume, Issue-2 of our news letter series. which portrays the Even semester activities of 2022-23. HoD and Staff of Mechanical Engineering department would like to congratulate all the staff who got patent for their project works. HoD and Staff of Mechanical Engineering department heartly congratulate students of the department for their achievements in different sectors.

I thank the editorial board in bringing out this news letter. I wish all the readers a happy reading.

-Dr. Srinivasa K

## PATENTS PUBLISHED

Sl. No	Title of the project	Staff Name
1	METHOD OF PREPARING COMPOSITES HAVING MINIMAL STRESS CONCENTRATION	DR. YATHISHA N
2	A METHOD OF EXTRACTION OF PETROL FROM WASTE PLASTIC	DR. SRINIVASA K
3	METHOD OF PRODUCTION OF BIODIESEL BLENDS USING WASTE COOKING OILS	MR. PAVAN KUMAR K P

**ROAD TO SUCCESS IS ALWAYS UNDER CONSTRUCTION**

- Swamy Vivekananda





## Project Recognized by Karnataka State Council for Science & Technology

Sl. No	Title of the project	Student Names	Sanctioned Amount
1	AUTOMATIC ADJUSTMENT OF SIDE MIRRORS USING SENSORS CONNECTED TO STEERING	MR. HEMANTH R MR. RAVI R MR. MADAN V MR. BHARATH T P	INR 8000
2	IOT BASED HOME AUTOMATION SYSTEM	MR. AMAAN AFSAL MR. CHANDRASHEKAR K S MR. GOVINDRAJ G MS. SHIVALI S	INR 6000
3	AFFORDABLE WHEELCHAIR ATTACHMENT E - HAND-BIKE FOR PHYSICALLY CHALLENGED	MR. HARSHA R MS. CHAITHRA SHREE S M MR. DUSHYANTH A K MR. KUSHAL M A	INR 7000
		<b>Total</b>	<b>INR 21000</b>

### Faulty publication in National and International journals

Sl. NO	Title of the Paper	Authors	Journal Name
1	Synthesis and Electrochemical Properties of Silver Incorporated Biochar Nanocomposites	S. Chetana Naveen Chandra Joshi, Prateek Gururani, & Niraj Kumar	Journal of Inorganic and Organometallic Polymers and Materials
2	Facile synthesis of fine 1D VO <sub>2</sub> and its supercapacitance as a binder free electrode	S. Chetana Niraj Kumar, Ashma Juyal, V. Gajraj, Sanjay Upadhyay, Neeraj Priyadarshi	Inorganic Chemistry Communications
3	PVB-PEDOT:PSS-Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Nanocomposite With Materials Data-Driven Discovery	S. Chetana, M. Praveen Kumar, Sarika Raga, K. Avinash, Arjun Dey	Transactions on Electrical and Electronic Materials
4	Synthesis, Antioxidant, Bactericidal and Antihemolytic Activity of Al <sub>2</sub> O <sub>3</sub> and SnO <sub>2</sub> Nanoparticles	Chetana S, Amulya Giridasappa, M. Ismail Shareef, S. M. Gopinath, Dinesh Rangappa	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences
5	Hydrothermal synthesis of nickel oxide nanoflowers as a blend of 1D and 2D morphologies for its improved OER activity and supercapacitance	S. Chetana, Sanjay Upadhyay, Niraj Kumar, Nikhil Tanwar, Ruby Priya	Journal of Materials Science: Materials in Electronics

### Faulty Participation in Faculty Development Programs and Training Programs

Sl. NO	Title of the FDP or Training	Duration
1	Opportunities and Challenges in Artificial Intelligence & Machine Learning for Mechanical Engineers	5 Days

Yantrix project exhibition is an event where individuals or groups showcase their project work to an audience. The purpose of a mechanical project exhibition is to share ideas, inspire creativity and promote learning.

Participants are students from ATMECE and outside colleges. This One-day project exhibition YANTRIX was inaugurated on 5th May 2023, in the seminar hall of the Department of Mechanical Engineering, ATMECE, Mysuru. The event is being held on an annual basis and organized by the Dept of Mechanical Engineering. Head of the department Dr Srinivasa K welcomed guests, faculties and students Prof. Rohith S briefed about the Yantrix and evaluation guidelines.



Later the event was inaugurated by the chief guest Dr. Haseebuddin M R, Professor, Department of Mechanical Engineering, DSCE, B'lore. Mr ShashiKiran, Managing Director, Vidyuth Automation, and guest of honor Dr. M S Govinde Gowda, Dean – Academics, ATMECE, Presidential remarks was by Dr. Basavaraj L, Principal, ATMECE Prof Hemanth B R compared the event. Prof. Devaraj M R delivered vote of thanks.



*“Projects we have completed demonstrate what we know—future projects decide what we learn.”*

*- Dr. Mohsin Tiwana*



**Mr. VARSHITH S**

Represented VTU Kick Boxing Men



**Mr. SAI SHARAN**

Represented Softball Rest of Bangalore zone and Baseball VTU intercollegiate



**Mr. VARSHITH S**



Department faculties and Students participated in EPL 2022 season 2 organized by MIT, Mysore and secured second place in the same.