

Mechanical Engineering Newsletter

"YANTRAMSHA"

PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT,

Sagar Road, NH-206, Shivamogga - 577 204

OUR VISION

"To emerge as a center of excellence in the field of Mechanical Engineering Education, Research and Entrepreneurship".



Group Photo of 2017-2021 Batch Mechanical Engineering students

List of Student Project Proposals Approved for Sponsorship Under 44th Series of KSCST Student Project Programme: 2020-21

PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
44S_BE_1033	EXPERIMENTAL PERFORMANCE ANALYSIS OF DUAL FUEL (BIO GAS AND GASOLINE) FOR CONVENTIONAL VEHICLE	MECHANICAL ENGINEERING	B.E.	Mr. RAJASHEKHARA M C	Ms. CHIRAG S R Mr. GIRISH S Mr. RAMESH N Mr. ARJUN RAJ K S
44S_BE_1034	EFFECT OF NANO MATERIALS IN BIOGAS PRODUCTION USING DOMESTIC FOOD WASTE	MECHANICAL ENGINEERING	B.E.	Mr. SHIVANANDA D C	Mr. PAVAN R Mr. AKSHYKUMAR H Mr. ASHWIN N Mr. LOHIT S JAVALLI
44S_BE_1035	"PROCESSING AND VIBRATIONAL CHARACTERIZATION OF HYBRID (MWCNT/GR/ND) NANOCOMPOSITES REINFORCED ALUMINIUM ALLOY (AA 6061 AND AA 5083) COMPOSITES".	MECHANICAL ENGINEERING	B.E.	Mr. MAHANTHESH M R	Mr. RAMESH B V Mr. RAGHU BHARADWAJ K C Mr. R THANUSH Mr. PREETHAM
44S_BE_1036	EXPERIMENTAL INVESTIGATION OF BIODIESEL-BIOGAS DUAL FUEL OPERATION ON C.I. ENGINE	MECHANICAL ENGINEERING	B.E.	Dr. Basavarajappa Y H	Mr. AQHEEL AHAMED SULTAN SAHEB KWATI Mr. ADARSH VINAYAK SHET Mr. AKASH H Mr. KIRAN M RAYKER
44S_BE_1038	EXTRACTION OF BIO-FUEL FROM SUGARCANE BAGASSE BY PYROLYSIS SETUP AND PERFORMANCE TEST ON IC ENGINE	MECHANICAL ENGINEERING	B.E.	Mr. ABHISHEK C R	Mr. SUJAY CHETAN SHARMA S Ms. POOJA P Mr. HARSHA K M Mr. CHETHAN M B
44S_BE_1039	WEAR BEHAVIOR OF AL7075 NANO COMPOSITE MATERIAL FOR CLUTCH FACING APPLICATION	MECHANICAL ENGINEERING	B.E.	Mr. MALTESHKUMAR DESHPANDE	Mr. NACHIKHETAN K S Mr. SHANKAR C IDAGICHADI Mr. SUHAS T R Mr. SHABAZ AHMED

ಬಯಸಿದ್ದೆಲ್ಲಾ ಸಿಗುವಂತದ್ದರೆ, ಬಯಕೆಗೆ ಬೆಲೆ ಇರುತ್ತರಅಲ್ಲ.. ಅನಿಸಿದ್ದೆಲ್ಲಾ ಹೇಳುವಂತದ್ದರೆ ಮೌನಕ್ಕೆ ಅರ್ಥ ಇರುತ್ತರಅಲ್ಲ.. ತಮ್ಪಗಳೇ ಆಗದಿದ್ದರೆ, ಯಾರೂ ಹೊಸ ಪ್ರಯತ್ನ ಪಡುತ್ತರಅಲ್ಲ.. ಕಣ್ಣೆರೇ ಬರದಿದ್ದರೆ, ನಗುವಿನ ಅನಂದ ತಿಆಯುತ್ತರಅಲ್ಲ.. ಕಷ್ಟಗಳು ಎದುರಾಗದೇ ಇದ್ದಿದ್ದರೆ, ಜೀವನದ ಮೌಲ್ಯ ಗೊತ್ತಾಗುತ್ತರಅಲ್ಲ...

---ಶ್ರೀ ದೇವಿ ಜ. ಜೆ. (4ನೇ ವರ್ಷ, ಯಾವಿ)

To give real service, you must add something which cannot be brought or measured with money --- Sir. MV

Failure is Central to engineering., Every Single calculation that an engineer makes is a failure calculation. Successful Engineering is all about the understanding that how things break or fail

--- Henry Petroski (American engineer specializing in Failure Analysis)

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PROJECT - PHOTA



Project Associates

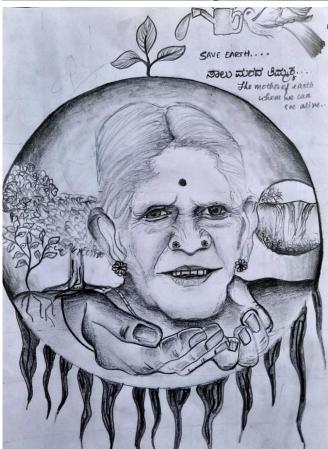
Mithun P. - 4PM19ME419 Deepak G. C. – 4PM19ME405 Sahana S. O. – 4PM19ME432 Chetan K. – 4PM17ME025

Wireless power transfer (WPT), wireless power transmission, wireless energy transmission (WET), or electromagnetic power transfer is the transmission of electrical energy without wires as a physical link. In a wireless power transmission system, a transmitter device, driven by electric power from a power source, generates a time-varying electromagnetic field, which transmits power across space to a receiver device, which extracts power from the field and supplies it to an electrical load. The technology of wireless power transmission can eliminate the use of the wires and batteries, thus increasing the mobility, convenience, and safety of an electronic device for all users.

List of Students who completed MOOC Courses

SI. No.	USN	Name of the students	Certified Courses	Certified Agency	
1	4PM18ME059	SYED FAIZAN	Python Data Structures	University of Michigan	
2	4PM18ME059	SYED FAIZAN	Capstone: Retrieving, Processing & Visualizing Data with Python	University of Michigan	
3	4PM18ME059	SYED FAIZAN	Python f or Everybody	University of Michigan	
4	4PM18ME059	SYED FAIZAN	Programming for Everybody (Getting Started with Python)	University of Michigan	
5	4PM18ME059	SYED FAIZAN	Using Databases with Python	University of Michigan	
6	4PM18ME059	SYED FAIZAN	Using Python to Access Web Data	University of Michigan	
7	4PM18ME059	SYED FAIZAN	Introduction to Cloud Development with HTML, CSS, and JavaScript	edX - IBM	
8	4PM18ME059	SYED FAIZAN	Introduction to Data Science	edX - IBM	
9	4PM18ME059	SYED FAIZAN	Python Basics for Data Science	edX - IBM	
10	4PM18ME059	SYED FAIZAN	Introduction to Linux	edX	
11	4PM18ME059	SYED FAIZAN	Graduate Rotational Internship Program	The Spark Foundation	
12	4PM18ME043	REVANTH N S	Simulation Using Ansys	Udemy	
13	4PM18ME039	RAGUNANADAN G	Game Development using PyGame	Guvi	
14	4PM18ME060	TIMMESHNAYAKA N	Introduction to Linux	Udemy	
15	4PM18ME060	TIMMESHNAYAKA N	Simulation Using Ansys	Udemy	
16	4PM18ME059	SYED FAIZAN	Designer Mechanical PRO E	GT & TC	
17	4PM18ME404	CHIRAG S R	Designer Mechnical PRO E	GT&TC	
18	4PM17ME006	AKANKSH J HEGDE	Fusion 360 Beginner Course	Udemy	
19	4PM17ME012	AQHEEL A KWATI	Catia/AutoCad	Project mantra	
20	4PM16ME085	SAHANA D NAYAK	Catia/AutoCad	Project mantra	
21	4PM18ME009	BHARATH M MAIYYA	Learning Solidworks	Udemy	
22	4PM18ME009	BHARATH M MAIYYA	Accenture Discovery Program	Accenture	
23	4PM17ME028	CHINMAY GOVIND BHAT	CADvision RND	CAD VISION	
24	4PM16ME085	SAHANA D NAYAK	E-Cell Ambassador Program	IIT Guwahati	
25	4PM18ME058	SUNPREET SINGH	AutoCAD	Internshala Trainings	
26	4PM18ME058	SUNPREET SINGH	CREO Course	LearnVern	
27	4PM18ME058	SUNPREET SINGH	Fusion 360	Internshala Trainings	
28	4PM18ME058	SUNPREET SINGH	Mechanical Practical Training	JKRTC, Jammu	
29	4PM18ME058	SUNPREET SINGH	Communication Skills for Beginners	Udemy	
		-			





Engineering Fact

One does not simply do an individual assignment individually --- Mohammed Numan (4th Year ME)

Little notes 1

What if the only thing you believed that will stay forever leave you in the mid of the journey? What if the person you think will never leave your side no matter what leaves you for no reason? The world inside you crashes down, to that deep, to that extent that you dont even have an idea how bad you have fallen.

But nothing can be doen. Nothing is left in your hand

Wake up. What's gone is gone. Live for the moment. Enjoy with what is left. Cherish the blessings. I know it's not that easy to do what we say. Everything heals by time.

Take your time. Cry, scream, laugh do what it required

One fine day with a bright sunrays you feel so delighted and that's where life takes it turn.

Admire everything comes in a way. Past is just a chapter that made you strong.

Appriciate and move on.

--- Md Mueeb (4th Year ME

Jisne backlog nahi liye yaar kabhi, Usne engineering ki hi nahi kabhi!! Pass to aksar hi sab hote hain, Par unko kaun puchta hai yaar!! Jo aksar hi fail hua karte hain, Chill hote hain har koi janta hai yaar!! Pressure handling kya hain jaante hain tum, Jab ek saat agla aur picchla semester dete

Engineering kya hain jaan jaoge dost, Krke dekho yaar bas engineering tum...

--- Shreedevi B J (4th Year ME

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There is nothing wrong with not understanding anyone, But it's wrong when you misunderstanding someone......

- Thimmeshnayaka N (3rd Year ME)

ಬದುಕಿದು ವಿಚಿತ್ರ, ಕೇವಲ ಸುಖ ದುಃಖಗಳ ಅಂತರ,ಸಾಗುವ ದಾರಿಯಿದು ವಿಸ್ಮಯ,ಹೋರು ನಿನ್ನ ಬಾರ,ಪರರ ಹೆಗಲದು ಶವಯಾತ್ರಗೆ ಮೀಸಲು











ಶ್ರಮವಿಲ್ಲದೇ ಪ್ರಶಸ್ತಿ ಪಡೆದು ಸಮಾಧಿಯಾಗುವ ಕನಸು ನಿನ್ನದು, ಸಾಧನೆಗಳಿಂದಲೇ ಸ್ಮಾರಕ ಕಟ್ಟಿಸಿಕೊಳ್ಳುವ ಗುರಿ ನನ್ನದು, ಇತಿ ನಿಮ್ಮ ಕನ್ನಡಿಗ ತಿಮ್ಮೇಶ ನಾಯಕ ಎನ್. (3ನೇ ವರ್ಷ ಯಾಂತ್ರಿಕ ವಿಭಾಗ)

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Patents Filed

SI. No.	Patent Applied by	Title of the Invention	Application No.	Published Date/Patent
1	Dr. Girisha L.	The Internet of Things based Smart Mattresses for Somnambulism (Sleepwalking) patient.	202041028086 A	Journal No. 34/2020 Dated 21/08/2020, Page: 33115, <u>Part-1.pdf</u> (ipindia.gov.in)
2	Dr. Girisha L.	IOT Based Pill Dispenser	202141011019 A	Journal No. 12/2021 Dated 19/03/2021, Page: 14116, Part-1.pdf (ipindia.gov.in)
3	Dr. Girisha L.	A Neuromorphic System for Integrating a Modular Pieces of An Assembly	202121019690 A	Journal No. 23/2021 Dated 04/06/2021, Page: 14116, <u>Part-1.pdf</u> (ipindia.gov.in)
4	Dr. Girisha L. Mr. Vinod V Rampur Mr. Maltesh Kumar Deshpande Mr. Rajashekhar M C	Cost Effective Ventilator Using CO ₂ Laser Cutting Machine for Covid-19 (Design Patent)	342442-001 15-04-2021	Application Status: Application Accepted, Certificate of Design Generated.

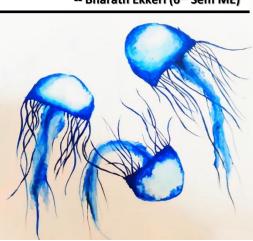
Faculty Achievements

SI. No.	Title of the Book	Publication	Authors
1	A TEXT BOOK OF PRODUCTION PROCESS	Shanlax Publications, Tamilnadu, India, ISBN: 978-93-90082-91-9, 2020 A Text Book on Production Processes — Shanlax	Dr. Girisha L. et al.
2	NON-TRADITIONAL MACHINING PROCESSES	Forschung Publications, Chennai, Tamilnadu, India ISBN: 978-93-87865-67-9, 2021 <u>Non traditional Machining Processes – Shanlax</u>	Dr. Girisha L. et al.
3	COMPUTER INTEGRATED MANUFACTURING	Forschung Publications, Chennai, ISBN: 978-93-87865-49-5 Computer Integrated Manufacturing for Industrial Automation - Shanlax	Dr. Girisha L. et al.

New Trends in Composites				
Polymer	Reinforcements	Result		
Natural	Natural	Bio-Composite		
Natural	Synthetic	Not a bio-composite		
Synthetic	Natural	Not a bio-composite		
Synthetic	Synthetic	Not a bio-composite		

Bio-polymers are the new source of invention in the present world for generating the bio based composites which would help our man kind in all aspects. Since these are available freely any one can make use of them in the place of plastics and other bio-hazardous materials..... Use Bio-based components and save the earth

-- Bharath Ekkeri (6th Sem ME)





ಬರೆದಿರಬೇಕು ಹಣೆಯಲ್ಲಿ ನಿನ್ನವರು ನಿನ್ನೊಂದಿಗೆ ಇರಲು ಬರೆದಿರಬೇಕು ಅವರ ಹಣೆಯಲ್ಲಿ ಅವರು ನಿನ್ನವರಾಗಲು ಇತಿ ನಿಮ್ಮ ಕನ್ನಡಿಗ ತಿಮ್ಮೇಶ ನಾಯಕ ಎನ್. (3ನೇ ವರ್ಷ ಯಾಂತ್ರಿಕ ವಿಭಾಗ)

I don't believe in GOD,
I believe in the CHANCES given by GOD...
---Thimmeshnayaka N (6th Sem ME)

Art by – Snigdha P Gowda 4PM18ME057







SI. No.	Name of the Student	USN	Contact Number	Company Placed	стс
1	Shreedevi B J	4PM17ME074	9535505837	CHEGG	3.6 LPA
2	Ananth Kumar M	4PM17ME011	8151867929	ELCAMINO	2.5 LPA
3	Chirag 5 R	4PM18ME404	8147827435	ELCAMINO	2.5 LPA
4	J Gururaj	4PM17ME036	9483693267	ELCAMINO	2.5 LPA
5	M Nagahari	4PM17ME042	8495848041	ELCAMINO	2.5 LPA
6	Mohammed Nuhman	4PM17ME049	7349414613	ELCAMINO	2.5 LPA
7	R Thanush	4PM17ME062	7349067206	ELCAMINO	2.5 LPA
8	Raghu Bharadwaz K C	4PM17ME063	8892862880	ELCAMINO	2.5 LPA
9	Sanchit Chidanand Puthane	4PM17ME068	6361531281	ELCAMINO	2.5 LPA
10	Shabaz Ahmed	4PM17ME070	7483535376	ELCAMINO	2.5 LPA
11	Shreyas M	4PM17ME075	9901927019	ELCAMINO	2.5 LPA
12	Suraj H C	4PM17ME078	8861631788	ELCAMINO	2.5 LPA
13	Suraj S Nadig	4PM17ME079	9480208803	ELCAMINO	2.5 LPA
14	T G Puneeth	4PM17ME081	7022465507	ELCAMINO	2.5 LPA
15	Gurukiran L	4PM18ME406	7026586989	GLOBAL QUEST	2.5 LPA
16	Praveen R C	4PM17ME058	7353892124	GLOBAL QUEST	2.5 LPA
17	Chirag S R	4PM18ME404	8147827435	GLOBAL QUEST	2.5 LPA
18	Basavaraj J P	4PM17ME018	9591742583	PENTAGON SPACE	3 LPA
19	Karthik B Raj	4PM17ME037	8497865288	PENTAGON SPACE	3 LPA
20	Shankar C Idagichadi	4PM17ME071	9632517993	PENTAGON SPACE	3 LPA
21	Priya J	4PM17ME060	7760274586	PENTAGON SPACE	3 LPA
22	Srinivas K	4PM18ME421	8951575009	PENTAGON SPACE	3 LPA
23	Adithya D	4PM17ME005	9902279268	QSPIDERS	2.5 LPA
24	Suraj S Nadig	4PM17ME079	9480208803	QSPIDERS	2.5 LPA
25	J Gururaj	4PM17ME036	9483693267	SEVENTH SENSE	2.52 LPA
26	Priyanka A M	4PM17ME061	9008155651	SEVENTH SENSE	2.52 LPA
27	Sanchit C Puthane	4PM17ME068	6361531281	VERZEO	3 LPA
28	Priyanka A M	4PM17ME061	9008155651	VERZEO	3 LPA
29	Suraj S Nadig	4PM17ME079	9480208803	VERZEO	3 LPA
30	Akanksh J Hegde	4PM17ME006	8050135067	VERZEO	3 LPA
31	Chinmay Govind Bhat	4PM17ME028	9741392342	VERZEO	3 LPA
32	Kiran M Rayker	4PM17ME039	7892315827	VERZEO	3 LPA
33	Nachikhetan K S	4PM18ME413	9108548866	VERZEO	3 LPA

Art without Engineering is dreaming. Engineering without art is calculating...

No one know about you as 'YOU' know...... So please be 'YOU' in your lifetime..... ---Thimmeshnayaka N (6th Sem MED)

---- Steven K. Roberts

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Call for Newsletter Articles

We need articles for future additions of Newsletter

Please consider providing a short item of news, or an in depth article for the next edition of the newsletter. We would like to invite everybody to submit a short story/article/announcement that can fit in the following structure:

News items and announcements -

- Short, topical, news oriented technical/ non-technical topics.
- Paintings, sketches, comics, poems, dag-writings, short stories etc.
- Major and minor technical articles are also accepted.
- Jokes, Punch dialogues, quotes of your own could be included.
- All of above said matters could be accepted in English or in kannada formats

Feel free to communicate with the student and staff coordinators for more details.

- Editor

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EDITORIAL TEAM

63



(L to R)

Mr. C. Upendra (8th Sem)

Mr. Uzair Khan (6th Sem)

Mr. Jayakrishna K (6th Sem)

Dr. Basavarajappa Y. H. (HOD/ME)

Dr. Ashok R. Banagar (Asst. Prof.)

Ms. Shreedevi B. J. (8th Sem)

Mr. Shivakumar M. (4th Sem)