

Mechanical Engineering Newsletter

"YANTRAMSHA"**PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT,**

Sagar Road, NH-206, Shivamogga

**PRINCIPAL'S MESSAGE**

Every Child is born free with equal intelligent and capable enough to achieve the top position in the society by acquiring the best education. We are liable to make every child as the best accomplished person. Our PES Institute of Technology and Management founded by Hon'ble Chairman Prof. M. R Doreswamy and Trustee Sri. B Y Raghavendra with the object of providing the Best infrastructure highly qualified and experienced Professors, State of art world class laboratories at affordable fees structure for all class of students in the society.

I feel proud and honor to write this message because this newsletter is the testimonial of the commitment of Mechanical Engineering Department towards the outcome based education and enhanced student - teacher learning process which is inline with the vision and mission of the department. I hope that the department will strive further to improve the quality of the education and bring laurels to the institute.

Dr. Ashok Kumar T.
Principal
PESITM, Shivamogga

OUR VISION

"To be the most preferred destination for Mechanical Engineering education, research and entrepreneurship".

OUR MISSION

"To provide the qualitative Mechanical Engineering education in an appropriate learning environment. To attract, develop and retain knowledgeable and skilled faculty members for achieving excellence in education and research. To inculcate values, commitment to quality, leadership and communication skills for professional accomplishments with integrity and moral responsibility".

About the Department

Mechanical Engineering (ME) is a very broad field that provides opportunities for interesting and challenging work in every phase of modern technology.

The Department of Mechanical Engineering was established in the year 2010 with the vision of attracting, rewarding and retaining outstanding faculty and staff who will ever provide an educational experience that prepares students for successful careers in Mechanical Engineering professions. The Department is housed in an independent block and is replete with state-of-the-art laboratories and is always striving to become better with the plans to establish research centers to promote research and development activities.

The Department has received approval for increase in intake from 60 to 120 from AICTE, New Delhi starting from the academic year 2013-14.

Head of the Department

4th Semester "A" Section



Nitin J. C.
(4PM16ME056)



Nikhil Mirashi
(4PM16ME054)



Nandish S.
(4PM16ME051)



Toppers from 2nd Sem



Shridevi B. J.
(4PM17ME074)



Aqheel Ahamed Sultan
Saheb Kwati
(4PM17ME012)



Chinmay G. Bhat
(4PM17ME028)

4th Semester "B" Section



Veerakumar Gouraj
(4PM16ME104)



Raghavendra Lande
(4PM16ME068)



Sagar N.
(4PM16ME084)

6th Semester "A" Section



Ravi C. C.
(4PM15ME063)



Shashwath Shetty
(4PM15ME076)



Sachi Gowda S.
(4PM15ME068)

6th Semester "B" Section



Bharath Gowda G.
(4PM15ME007)



Mir Jibraan Hussain
(4PM15ME038)



Abhishek S. R.
(4PM15ME001)



RESULT ANALYSIS OF 8TH SEMESTER STUDENTS

Particulars	Section A	Section B	Total
Number of students	69	66	138
Number of students Passed	66	66	132
FCD	28	27	55
FC	29	32	61
SC	09	07	16
Students Failed	03	03	06
% of Result	95.65	95.65	95.6

Activities held during previous semester.



Team of students headed by Mohammed Shahid under the guidance of Prof. Rajashekhar M. C. has got the **KSCSTS sponsorship amount of 7,000/- rupees** for the project titled **“Experimental performance Analysis of Conventional Gasoline Vehicle Blended with hydrogen Gas”** [KSCST Reference Number – 41S_BE_1461]

In the month of May 2018, **Project Expo** was held in the PESITM premises. Mrs. Arunadevi S. Y., Joint Secretary, PES Group of Institutions presided over the function, along with Dr. Ashok Kumar T., Principal, PESITM, and Dr. Ashok S. R., HOD, Dept. of Mech., Engg.



A technical talk was arranged **on 22-05-2018 under the banner of “MECHINNOVA” forum**, Shri T. Subramaniyan, Head of R & D department, BFW, Bengaluru was the resource person.



Technical Talk was conducted on **“Bio fuels as alternative energy sources”** by Dr. Basavarajappa Y. H. on the occasion of **WORLD BIOFUEL DAY** on 10th August 2018.



As a part of “Swachatha Phakwada”, demonstration on “Vermicompost” was conducted for the students of various schools, colleges at the PESITM premises during 16-31 July 2018



ACHEIVEMENTS OF OUR STUDENTS



Suhas G. Bharadwaj (4PM16ME097) of 5th Semester, (B Sec.) has presented a paper titled **“Solar Convective flows in Solar Updraft towers using reflector material as collector”**, in NCARSEM, held at PESITM, Shivamogga on 26th of May 2018.



Lohitkumar B. N. (4PM15ME027) of VII Sem had participated in **Line follower event** and **secured second** place in TECHZONE 2018 held on 27 – 29 April organized at JNNCE, Shivamogga.



Shashwath Shetty (4PM15ME076) of 7th Semester, (A Sec.) has presented a paper titled **“Zero Turn Vehicle”**, in NCARSEM, held at PESITM, Shivamogga on 26th of May 2018.



Karthik G. Walvekar (4PM16ME032) of V Sem (A Sec) had participated and **won Gold medal and 15,000/-** cash prize in inter state **wrestling tournament held** at Jamakhandi.



Team of girls students have secured first place in the volleyball competition held in the PESITM premises on the occasion of PRERANA fest – 2018.



Varun A. N. (4PM16ME) of 7th Semester, (A Sec.) has presented a paper titled **“Numerical Analysis of a Bicycle frame made of Mild steel and composites”**, in NCARSEM, held at PESITM, Shivamogga on 20th of May 2017.



Imad Ahamed I. of VII Sem had participated in **Line follower event** and **secured second** place in TECHZONE 2018 held on 27 – 29 April organized at JNNCE, Shivamogga.



Ms. Chandana Raj (4PM16ME016) and **Ms. Apeksha H. N. (4PM16ME008)** of V Sem (A sec) had participated in **“WeCon”, Women Entrepreneurship Conclave** held at Jain University Bengaluru during 3rd – 4th September 2018.



Suhas G. Bharadwaj (4PM16ME097) of 5th Semester, (B Sec.) has participated in District level of **“Speak for India – Karnataka Edition - 2018”** a state level inter collegiate debate competition held at Sahyadri college Shivamogga.



Team of boys have secured 2nd place in the volleyball competition held in the PESITM premises on the occasion of

News Letter, MED, PESITM, Shivamogga



Sanjay G. (4PM15ME071) and Sanjay S. L. (4PM15ME073) of VII sem (A-Sec) have secured first place in **the Quiz competition** held on the occasion of PRERANA fest – 2018.



Treasure Hunt Winners – 2018
Sachi Gowda S., Sanjay S. L. Subramanya M. G., Shashidhar Tubaki, Nandishwar Reddy, Siddhant Jain, Varun A. N.

INFORMATION ABOUT THE PLACEMENTS

Name of the Student	Company	Name of the Student	Company	Name of the Student	Company
Mohammed Shahid	BOSCH	Gaddigesh T.M.	SAVHN TECH	Vignesh Bhat P.	SAVHN TECH
Dhanush S.C.	JUST DAIL	Keerthan H.K.	SAVHN TECH	Vinayak R. Hegde	SAVHN TECH
Madhu M.G.	NINJACART	Mohammed Sadiqh	SAVHN TECH	M. Sunil	SLK
Pawan Kumar H.N	QSPIDERS	Sandeep Singh	SAVHN TECH	Pundaleek Basappa Teli	UTTARA
Darshan R.B.	SAVHN TECH	Santhosha kumara V.N.	SAVHN TECH	Abdul Kareem Khan	VEE TECH
Kishen T. S.	VEE TECH	Pramodh M. H.	VEE TECH	M. Sunil.	CALL IN IT
Lokeshwaran P.	VEE TECH	Sachin T. K.	VEE TECH	Lokeshwaran P.	QSPIDERS
Nandan B. C.	VEE TECH	Vignesa Y. V.	VEE TECH	Nandan B. C.	JUST DIAL

Artistic Sketches from Mr. Vijaykumar S. of 2nd Year ME.



Mr. Karthik K. M. (2nd Year, MED)
(Karnataka style of sculpture)



ನಟ ನಿರ್ದೇಶಕನಾಗು, ಸಾಹಿತಿ ಸಂಗೀತಗಾರನೆ ಆಗು
ಛಾಯಾಗ್ರಾಹಕನೆ ಆಗು, ಭೋಗ ಬಯಸಿ
ಬಾಣಸಿಗನೇ ಆಗು, ನಿನಗನಿಸಿದಂತಾಗು
ಏನಾದರೂ ಸರಿಯೆ – ಮೊದಲು ಇಂಜಿನಿಯರ್ ಆಗು
ಬ್ಯಾಂಕ್ ಮ್ಯಾನೇಜರನಾಗು, ಸ್ಟಾಕ್ ಬ್ರೋಕರೆ ಆಗು
ಸಮಾರಂಭ ಸಂಘಟಕನೆ ಆಗು, ಸ್ವಂತ ಉದ್ಯಮ ಸ್ಥಾಪಿಸಿ
ವಾಣಿಜ್ಯೋದ್ಯಮಿಯಾಗು, ನಿನ್ನ ಮನ ಬಯಸಿದಂತಾಗು
ಏನಾದರೂ ಸರಿಯೆ – ಮೊದಲು ಇಂಜಿನಿಯರ್ ಆಗು
ಉಳುವ ರೈತನಾಗು, ಆಳುವ ದೊರೆಯೆ ಆಗು
ಊರು ಮನೆ ಮಠ ತೊರೆದು, ಸಂಚಾರಿ ಸನ್ಯಾಸಿಯಾಗು
ಏನಾದರೂ ಆಗು, ನಿನ್ನೊಲವಿನಂತಾಗು
ಏನಾದರೂ ಸರಿಯೆ – ಮೊದಲು ಇಂಜಿನಿಯರ್ ಆಗು

Prof. Harish G. V., MED

Papers Presented /Published in International conferences / Journals

Prof. Ashok R. Banagar presented a paper entitled **"Tensile and Flexural Behavior of Areca sheath fibers"**, in ICCMEMS, held at Lovely Professional University, Phagwara, Punjab, INDIA on 15-17 March 2018

Prof. Mahantesh M. R. had published a technical paper entitled "Numerical Analysis for a Bicycle Fame made of Mild Steel and Composites", in IJSED, Volume 3, Issue – 4, PP40-46, ISSN:2455-2631

Prof. Kiran Kumar K., published a paper titled **"Design of Hydraulic Ladle Tilting Device at Pig Casting Machine"** in 'Journal of Emerging Technologies and Innovative Research', ISSN-2349-5162, Volume 5, Issue 7, July 2018.

Prof. Ashok R. Banagar published a paper entitled **"Bending Behavior of Simply Supported Skew Plates"**, in IJSER, Vol. 9, Issue-5, May-2018. ISSN 2229-5518

Prof. Ashok R. Banagar published a paper entitled **"A review on the mechanical properties of areca fiber reinforced composites"**, in Science & Technology Materials, An Elsevier Publications, <https://doi.org/10.1016/j.stmat.2018.05.004>

Prof. Kiran Kumar K, presented a paper titled **"Design of Hydraulic Ladle Tilting Device at Pig Casting Machine"** in ICAE, Applied Science and Management (ICAEASM 2018)" on 1st July 2018 held at ICSSR, Punjab University Campus, Chandigarh.

Dr. Girisha L., Mr. Shivananda D. C., Mr. Mahantesh M. R. and Mr. Rajashekhar M. C. has published a research paper entitled **"Design and Development of portable domestic waste Burner"** in IJERAT, VOL. 4, Issue 4, April 2018

Prof. Ashok R. Banagar published a paper entitled **"Conceptual Development of Conical Flourmill"**, IJIRT, Volume-4, Issue-10, March 2018, (PAPER ID:-145442)

Papers Presented /Published in National conferences /Journals & Workshops attended

Prof. Ganesh U. L., Prof. Ashok R. B. and Prof. Maltesh Deshpande presented a paper titled **"Zero turn vehicle"** in NCARSEM held at PESITM during 26th May 2018.

Prof. Santosh M. B. participated and presented a paper entitled **"Optimizing the machining parameters of Mild steel in EDM process using copper tool"** in the NCARSEM held at PESITM during 26th May 2018.

Prof. Vinod V. Rampur participated and presented a paper entitled **"Analysis of pressure and velocity curve for different exit nozzle geometries"** in the NCARSEM held at PESITM during 26th May 2018.

Prof. Harish G. V. participated and presented a paper entitled **"Improving Productivity of Assembly line by Optimizing Flow line and Line balancing"** in the NCARSEM held at PESITM during 26th May 2018.

Prof. Vinod V. Rampur, Prof. Ajey C. P. and Prof. Maltesh Deshpande presented a paper entitled **"Manually Operated Multiple Adjustable Seed Sowing Machine"** in the NCARSEM held at PESITM during 26th May 2018.

Prof. Ashok R Banagar presented a paper entitled **"Bending Behavior of Simply Supported Skew Plates"**, in NAME held at JNNCE, Shivamogga during 20th -21st APRIL 2018

Prof. Prasanna Nayak H. participated and presented a paper entitled **"Design and Fabrication of solar Powered battery operated pesticide sprayer"** in the NCARSEM held at PESITM during May 26th 2018

Prof. Vinod V. Rampur participated and presented a paper entitled **"Improving Productivity of Assembly line by Optimizing Flow line and Line balancing"** in the NCARSEM held at PESITM during 26th May 2018.

Prof. Harish G. V. participated and presented a paper entitled **"Fabrication and Performance test on Aqua silencer"** in the NCARSEM held at PESITM during 26th May 2018.

Prof. Taranath H. and Prof. Kirankumar K. had attended one week National level workshop on **"Current Scenario In Bioenergy Conversion and Waste Management Technologies"** held at JNNCE, Shivamogga

OUR DEPARTMENT IN THE EYES OF PRINT MEDIA

ಹೊಸ ಅನ್ವೇಷಣೆ ಅನಿವಾರ್ಯ: ಅರುಣಾದೇವಿ

ಮೆಟಿಕ್ ಕಾಲೇಜಿನಲ್ಲಿ ವಾಹಿಕರ ಮೃತ ಪ್ರದರ್ಶನ ಉದ್ಘಾಟನೆ, ಕ್ರಿಯಾತ್ಮಕ ಸಂಶೋಧನೆಗಳಿಗೆ ಯುವಮೂಹೂರ್ತು ಪ್ರೋತ್ಸಾಹ ಆಗುತ್ತೆ



ಮೆಟಿಕ್ ಕಾಲೇಜಿನಲ್ಲಿ ವಾಹಿಕರ ಮೃತ ಪ್ರದರ್ಶನ ಉದ್ಘಾಟನೆ, ಕ್ರಿಯಾತ್ಮಕ ಸಂಶೋಧನೆಗಳಿಗೆ ಯುವಮೂಹೂರ್ತು ಪ್ರೋತ್ಸಾಹ ಆಗುತ್ತೆ

Models expo held in PESITM

SHIVAMOGGA-Students of Mechanical Engineering branch of PESITM have prepared a model that produces bio-diesel from waste chicken skin. A. Darsh, Ashwini, Abhishek and Kiran, final year students have succeeded in producing around 600 ml bio-diesel from 1 kg waste chicken skin under the guidance of Prof. Ashwini Jyoti Y.H. The models inaugurated the exhibition held on the premises of the college, here on Friday. The production of bio-diesel is said to be the core-effective method of bio-diesel production as compared to traditional. The utilization of vegetable oil waste for bio-diesel production also addresses the issue of disposal of waste chicken skin. Students of civil engineering branch through their model shows that compressed earth bricks are environment-friendly and strong when compared with conventional clay bricks. Ashoka Kumar and chief G. S. Sriniva have done this project under the guidance of Assistant Professor Rakesh M.K. In order to manufacture burn clay bricks firewood is required. The method of producing clay brick by burning it in a compressed earth brick is the best replacement for burnt clay bricks. Earlier in the day, PES Trust Joint Secretary SY Arunadevi inaugurated the exhibition of models. The College Principal Ashok Kumar and chief of various departments, staff were present on the occasion. DH News Service



PES Trust Joint Secretary SY Arunadevi inaugurates the exhibition of models in Shivamogga on Friday. Durbenro

ಬಿಎಸ್-4ಗೆ ಸವಾಲಾಡಿದ ಬಿಎಸ್-3 ಬೈಕ್

ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳ ರಾಜ್ಯ ಮಟ್ಟದ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನ: ವಾಹನಗಳಿಗೆ ಜಲಜನಕ ಅನಿಲ ಬಳಕೆ



ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳ ರಾಜ್ಯ ಮಟ್ಟದ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನ: ವಾಹನಗಳಿಗೆ ಜಲಜನಕ ಅನಿಲ ಬಳಕೆ

ಶೇ 140 ಪ್ರದರ್ಶನದಲ್ಲಿ ಭಾಗವಹಿಸಿದ ವಾಹನಗಳು
 1,000 ಪ್ರದರ್ಶನದಲ್ಲಿ ಪಾಲ್ಗೊಂಡಿದ್ದ ವಿದ್ಯಾರ್ಥಿಗಳು
 120 ಪ್ರದರ್ಶನಕ್ಕೆ ಭಾಗವಹಿಸಿದವರು
 150 ವಿದ್ಯಾರ್ಥಿಗಳ ಮೂಲಕ ಹಾಸ್ಯ ಮಾಡಿದ ಪ್ರಯೋಗಗಳು

ಶೇ 140 ಪ್ರದರ್ಶನದಲ್ಲಿ ಭಾಗವಹಿಸಿದ ವಾಹನಗಳು
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 1,000 ಪ್ರದರ್ಶನದಲ್ಲಿ ಪಾಲ್ಗೊಂಡಿದ್ದ ವಿದ್ಯಾರ್ಥಿಗಳು
 120 ಪ್ರದರ್ಶನಕ್ಕೆ ಭಾಗವಹಿಸಿದವರು
 150 ವಿದ್ಯಾರ್ಥಿಗಳ ಮೂಲಕ ಹಾಸ್ಯ ಮಾಡಿದ ಪ್ರಯೋಗಗಳು

ಉದ್ಯಮ ಕ್ಷೇತ್ರದಲ್ಲಿ ನವನವೀನತೆ ಅಗತ್ಯ



ಉದ್ಯಮ ಕ್ಷೇತ್ರದಲ್ಲಿ ನವನವೀನತೆ ಅಗತ್ಯ

ಪೆಸಿಟಿನಲ್ಲಿ 110 ಪ್ರಾಜೆಕ್ಟ್‌ಗಳ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ



ಪೆಸಿಟಿನಲ್ಲಿ 110 ಪ್ರಾಜೆಕ್ಟ್‌ಗಳ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ



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