Year 2020-21, Volume – 4, Issue - 1

Mechanical Engineering Newsletter

"YANTRAMSHA"

PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT,

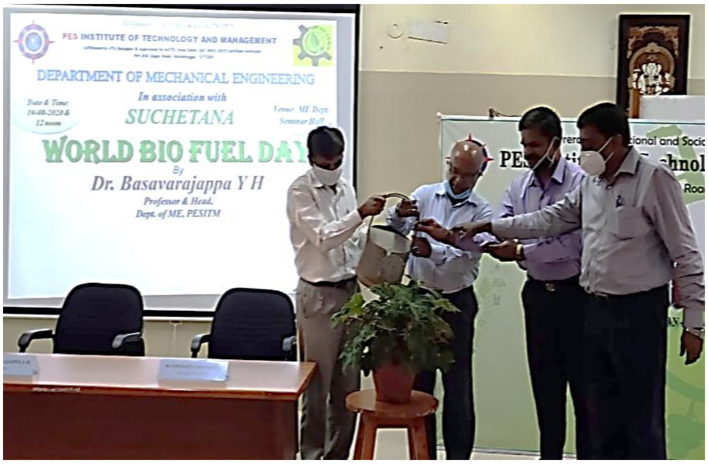
Sagar Road, NH-206, Shivamogga – 577 204

OUR VISION

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

Art by – Akarsh K. R.

PRERANA Science Project Expo – 2021 was arranged on 20th March 2021 for the benefit of PUC students. In this expo students from various parts of Karnataka such as Sagara, Teerthalli, Haveri, Sirasi and many more have attended and exhibited their work under Physics, chemistry, Biology, Mathematics and Science related fields. Sri Nagaraj Kagalkar, DDPU, Shivamogga was the chief guest for the programme



World Bio-Fuel day was celebrated on 10.08.2020

Mr. Ashok R. Banagar, Assistant Professor, Department of Mechanical Engineering has completed his PhD with the topic of research **"Mechanical and Dynamic Characterisation of Areca Sheath Reinforced Polymer composites"** in the month of February.

ಓದು ಓದು ಓದು,
ಏಕೆಂದರೆ, ಶತ್ರುಗಳು ನಿನ್ನ
ಜ್ಞಾನಕ್ಕೆ ಮಾತ್ರ ಹೆದರುತ್ತಾರೆ...
- ಡಾ|| ಬಿ. ಆರ್ ಅಂಬೇಡ್ಕರ್

" I never teach my pupils, I only provide the conditions in which they can learn"
--- Albert Einstein

Life is chance,
Growth is optional,
choose wisely
--- Jayakrishna (5th B Sec)

"To succeed in your mission, you must have single minded devotion to your goal"
--- Dr. A. P. J. Abdul Kalam

OUR MISSION

M1 – Creating a platform for effective and continuous learning by offering a strong technical knowledge and skills.

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M3 – To include social, ethical and entrepreneurial values for the professional accomplishments.

GEOMETRIC DIMENSIONING AND TOLERANCES (GD&T)

PUNEETH.S
3rd sem M.E

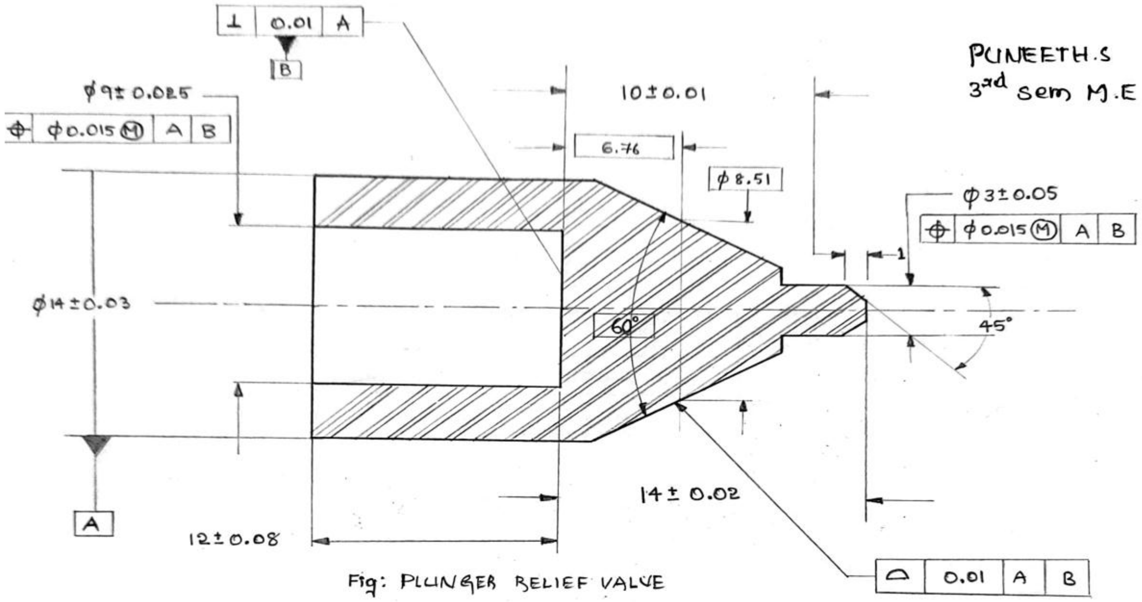


Fig: PLUNGER RELIEF VALVE

ASME follows fourteen geometric symbols and the modifiers given in table.

TYPE OF FEATURES	TYPE OF TOLERANCES	CHARACTERSTICS	SYMBOL
INDIVIDUAL (No Datum Reference)	FORM	FLATNESS	⏥
		STRAIGHTNESS	—
		CIRCULARITY	○
		CYLINDRICITY	⌭
INDIVIDUAL OR RELATED FEATURES	PROFILE	LINE PROFILE	⌒
		SURFACE PROFILE	⌓

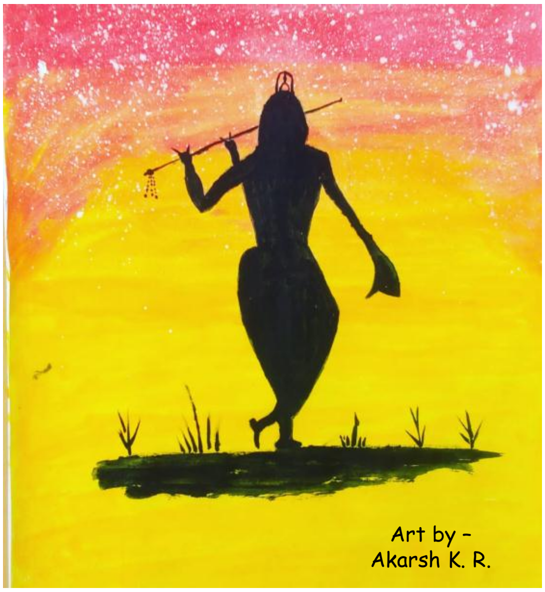
Geometric Symbols

3 Days Faculty Development Programme on **"FRACTURE MECHANICS"** 24th – 26th June 2020

One Day Webinar on **"INDUSTRIAL APPLICATIONS OF CAD/CAE/CAM"**, on 20.07.2020, Monday.

Dept. of Mechanical Engg., in association with Conceptia Konnect has organized the webinar on **"What Industry needs from Engineering Graduates"**. Around 105 students have participated in this event which was held on 29.07.2020

5-day FDP on **"APPLICATIONS OF THERMODYNAMICS"** from 13th to 17th July 2020.



Art by –
Akarsh K. R.

PESITM Campus in the lenses of our student – Shreedevi B. J. (7th Sem MED)

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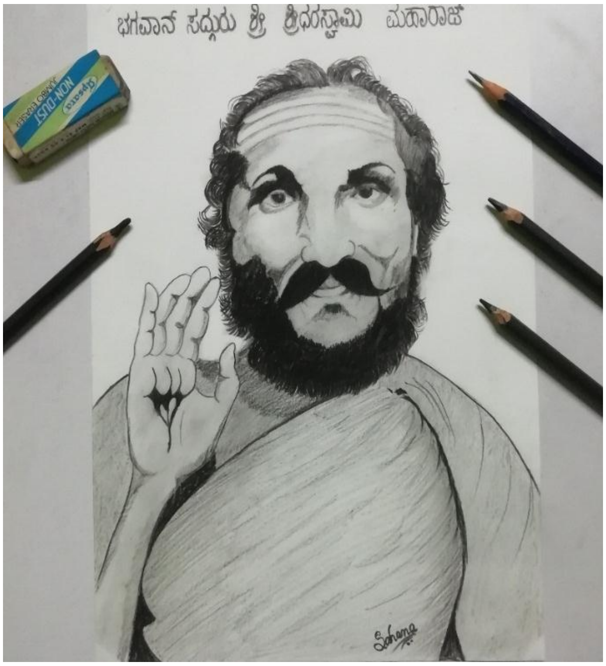
On the occasion of 125th Birth anniversary of NETAJI SUBHASHCHANDRA BOSE, **"PARAKRAM DIWAS"** was celebrated on 23.01.2021

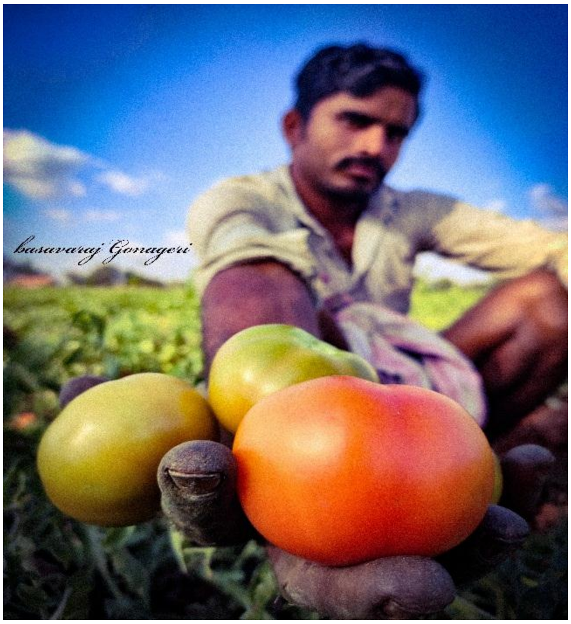
ಇರುಳುಗಳ ನಡುವಲ್ಲಿ,
ಕನಸುಗಳ ತೆರೆಯಲ್ಲಿ,
ಮತ್ತೆ ಮತ್ತೆ ಕಾಡಿವೆ ಪ್ರಿಯೆ ನಿನ್ನದೇ ಬಿಂಬಗಳು...
ಬತ್ತದೇ ಉಳಿದಿರುವ ನನ್ನ ಮನದ ಅಂಗಳಕೆ,
ಮತ್ತೆ ಬರುವೆಯಾ ನಿನ್ನ ಪ್ರೇಮಧಾರೆಯ ಹರಿಸಿ...?

\- ಶಿವಕುಮಾರ್ (3rd Sem ME)

As a part of student development program 5-day SDP on "**Advances in Foundry Technology"** was organized 13th to 17th October 2020



Under the banner of SUCHETANA Club, SAKSHAM – 2021 **'Green and Clean Energy'** program was organized for first year students on



Art by –
Akarsh K. R.

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

--- Shreedevi B J (7th Sem ME)

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GT&TC BENGALURU
(An Indo Danish Project)
RAJAJINAGAR INDUSTRIAL ESTATE
BENGALURU - 560 010 INDIA

Govt. Tool Room & Training Centre

Certificate of Skill

Register No.: CMKY20240902009

This Certificate is issued to Mr/Ms. SYED FAIZAN S/o SYED FAIYAZ, resident of SHIVAMOGGA,Kaushalkar Registration Number :SAF10782012 for Vocational Training in Job Role: DESIGNER – MECHANICAL (PRO-E) of the Skill Sector Capital Goods under Chief Ministers Kaushalya Karnataka Yojane [CMKKY] training program of Skill Development Entrepreneurship & Livelihood Department, for the year 2020-21 for having successfully undergone training program from 09.09.2020 to 08.11.2020 at Govt. Tool Room & Training Centre, SHIVAMOGGA

Grade : A+

The Candidate is declared fit to be selected for employment as :
CAD-ENGINEER

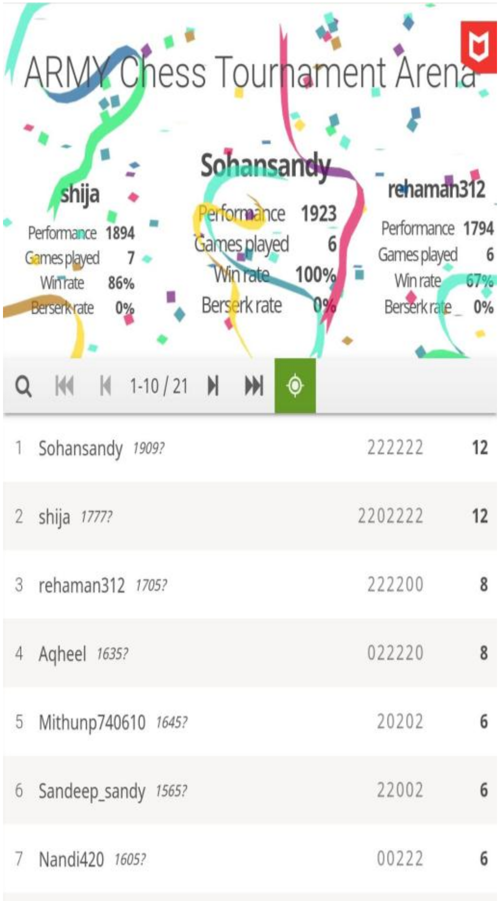
HOD-Sponsored Training Programme

Principal

Date : 27.11.2020

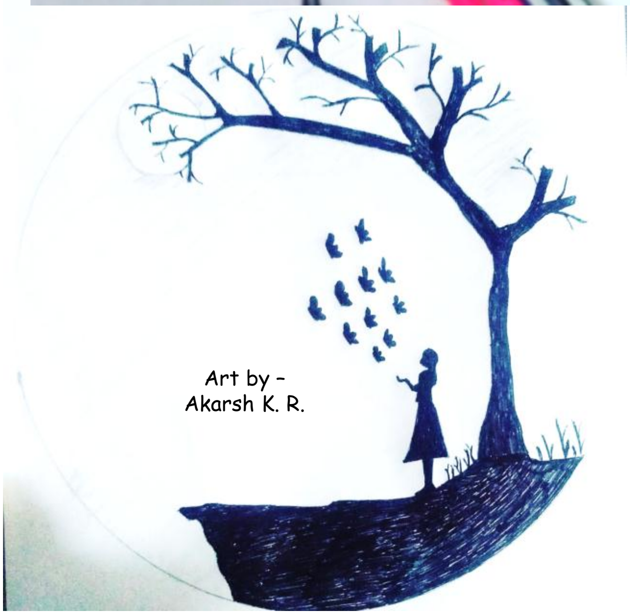
"Scientific & Industrial Research Organisation"
Recognised by Govt. of India

Mr. Syed Faizan of 5th Sem has completed his vocational training on CAD-Engineering from GTTC shivamogga

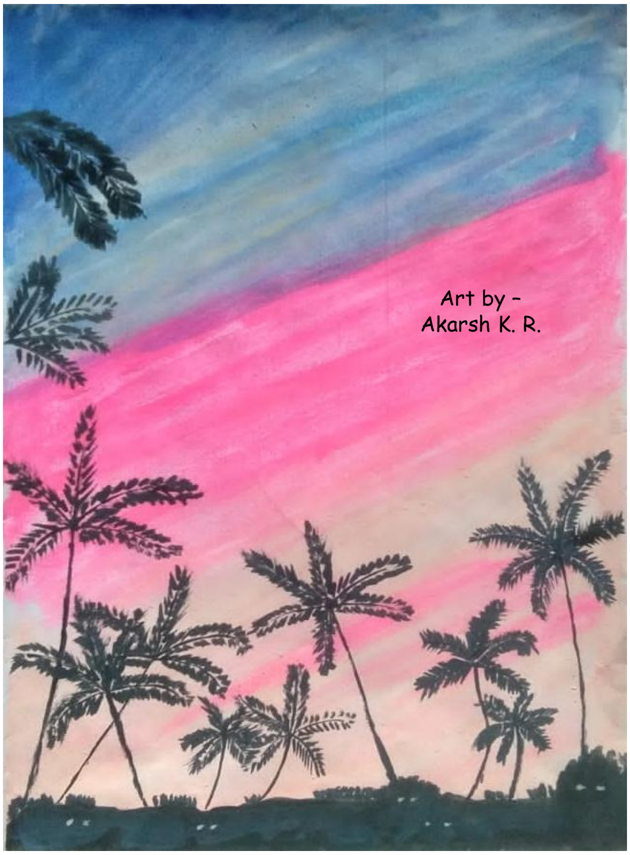


As a part of SDP a **CHESS TOURNAMENT** was organized on 8th July 2020

Art by –
Akarsh K. R.



Art by –
Akarsh K. R.



Art by –
Akarsh K. R.

Faculty Achievements

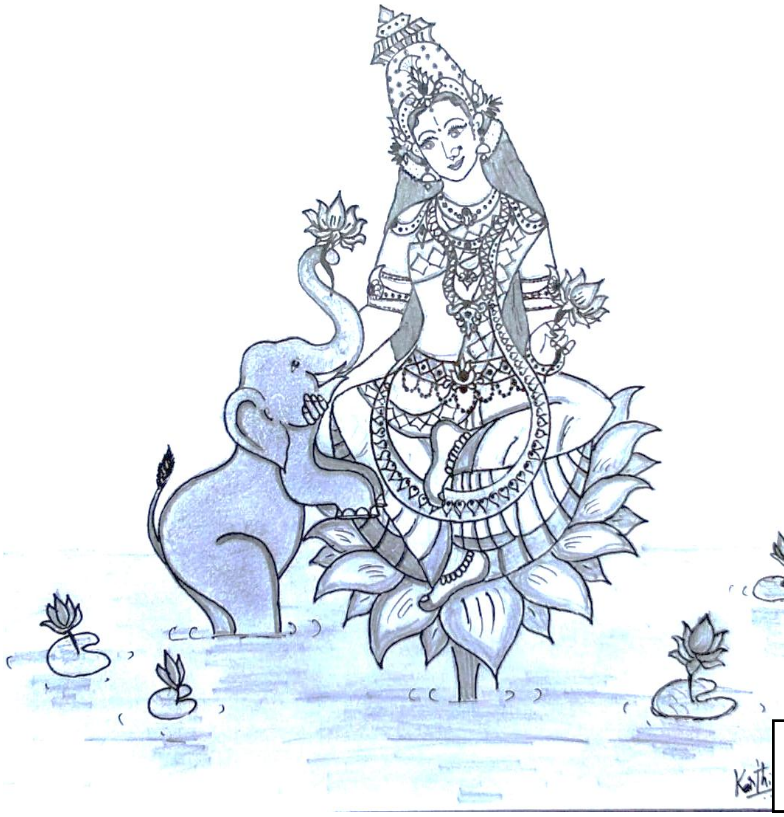
- Faculties of mechanical engineering department have actively participated in 57 different research publication activities such as attending/presenting technical papers in International/ National conferences, publishing technical papers in International/ National journals with Scopus, SCI, Google scholar, Cross Ref indexed, and many more.
- Also all the faculties (collectively) had attended more than 75 FDP's/ online webinars/ STTP's during the Covid-19 pandemic.

Awards Received by the faculties

Sl. No.	Name of the Faculty	Award Received	Received from
1	Dr. Girisha L.	Best Senior Faculty Award	Noval Research Academy, Puducherry, India
2	Dr. Girisha L.	Research Excellence Award-2020	Institute of Scholars, Bengaluru.
3	Mr. Ashok R Banagar	Eminent Young Researcher Award	I2OR Awards - 2020, India
4	Mr. Ashok R Banagar	Inspiring Senior Research Fellow award – 2020	Advanced Materials & Applications, Madras Journal Series PVT LTD, Tamilnadu, India

Patents Filed

Dr. Girisha L. filed a Patent on the Invention: The Internet of Things based Smart Mattresses for Somnambulism (Sleepwalking) patient. (Application No.: 202041028086 published in Patent Office Journal No. 34/2020 Dated 21.08.2020, Page: 33115).



Clay model prepared by Mr. Karthik K. M. (7th Sem MED)

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ಪಿಇಎಸ್ಐಟಿಎಂ: ಫ್ರಾಕ್ಚರ್ ಮೆಕ್ಯಾನಿಕ್ಸ್ ಕುರಿತು ಯಶಸ್ವಿ ವೆಬಿನಾರ್

ವಿವಿಧತೆಯಲ್ಲಿ ಏಕತೆ ಸಾರಿದ ಪೆಸಿಟ್‌ನ ಸಾಂಸ್ಕೃತಿಕ ದಿನಾಚರಣೆ

ವೈಜ್ಞಾನಿಕ ಗುಣ ತಿಳಿಯಲು ಸಂಶೋಧನೆ ಅಗತ್ಯ

ಪಿಇಎಸ್‌ಐಟಿಎಂನಲ್ಲಿ ಪ್ರೇರಣಾ ಸೈನ್ಸ್ ಪ್ರಾಜೆಕ್ಟ್ ಎಕ್ಸ್‌ಪೋ-2021

ಪೆಸಿಟ್ ನಲ್ಲಿ ಸಂರಕ್ಷಣಾ ಕ್ಷಮತಾ ಮಹೋತ್ಸವ ಅಭಿಯಾನ

ಪೆಸಿಟ್‌ನಲ್ಲಿ ಪಾಲಕ - ಅಧ್ಯಾಪಕರ ಸಮಾಲೋಚನೆ

ಮಾ.20: ಪ್ರೇರಣಾ ಸೈನ್ಸ್ 2021 ಪ್ರಾಜೆಕ್ಟ್ ಎಕ್ಸ್‌ಪೋ

ಸಾಗರ ಕಾಲೇಜಿಗೆ ದ್ವಿತೀಯ ಸ್ಥಾನ

ಸಾಗರ: ಶಿವಮೊಗ್ಗದ ಪಿಇಎಸ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ ಹಾಗೂ ಪಪೂ ಶಿಕ್ಷಣ ಇಲಾಖೆ ಸಹಯೋಗದಲ್ಲಿ ಮಾ.20ರಂದು ನಡೆದ ಪ್ರೇರಣಾ ಸೈನ್ಸ್ ಪ್ರಾಜೆಕ್ಟ್ ಎಕ್ಸ್‌ಪೋ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಸಾಗರ ಪಪೂ ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳಾದ ಬಿ.ಪ್ರಜ್ವಲ್, ಎ.ಬಿ.ನಿತಿನ್ ಹಾಗೂ ಎಂ.ಸುಕೇಶ್ ...ಲ್ಲೊಂದು ನಿರುಪಯುಕ್ತ ಪ್ಲಾಸ್ಟಿಕ್‌ಗಳನ್ನು ಉಪಯುಕ್ತ ...ಣಗಳಾಗಿ ಪರಿವರ್ತಿಸುವ ಮಾದರಿ ತಯಾರಿಸಿ ...ೀಯ ಬಹುಮಾನ, ಟ್ರೋಫಿ ಹಾಗೂ 3,000 ರೂ. ...ದು ಬಹುಮಾನ ಪಡೆದಿದ್ದಾರೆ.

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

EDITORIAL TEAM

(L to R)
Mr. C. Upendra (7th Sem)
Mr. Uzair Khan (5th Sem)
Mr. Jayakrishna K (5th Sem)
Dr. Basavarajappa Y. H. (HOD/ ME)
Mr. Ashok R. Banagar (Asst. Prof.)
Ms. Shreedevi B. J. (4th Sem)
Mr. Shivakumar M. (3rd Sem)