

VEERASAIVA VIDYAVARDHAKA SANGHA'S
RAO BAHADUR Y. MAHABALESWARAPPA ENGINEERING COLLEGE, BALLARI



YANTRIKA

DEPARTMENT OF MECHANICAL ENGINEERING



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Inauguration of Tata Technologies Research Center

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VII Semester



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Inauguration of Center of Excellence "Center for Invention, Innovation, Incubation & Training (CIIT) in Association with Tata Technologies, Pune was organized on 20 January 2020. Pushkaraj Kaulgud, Global Director, Tata Technologies inaugurated the center.

Workshop / Technical Talk



Three Days Workshop on Innovation & Design Thinking in Association with Tata Technologies was organized on 27-29 January 2021. Recourse Person Jahir Khatib, Tata Technologies, Pune addressed the session.

One Day Technical Talk on Application of CFD in Heat Transfer in Association with Advanced Research and Technologies, Mysore was Organized on 5 December 2020. Resource Person Basavaraj K addressed the session.



Faculty Achievements Book Published

Mr. Virupaksha Gouda H
M.Tech., (Ph.D.)
Assistant Professor
RYM Engineering College
Ballari-Karnataka

has published book with below details under IIP Publishing House:
Book Title: Non-Traditional Machining
Type of Book: Text Book
13 Digit ISBN: 978-1-68576-135-6
Publisher: INSC International Publishers
Publisher Imprint: IIP

Nanjesh Benur
Chairman, IIP

A Text Book on
Non-Traditional Machining

Virupaksha Gouda H
Somanath Swamy R.H.M

Dr. Somanath Swamy R.H.M
M.Tech., Ph.D.
Assistant Professor
RYM Engineering College
Ballari-Karnataka

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Publisher: INSC International Publishers
Publisher Imprint: IIP

Nanjesh Benur
Chairman, IIP

Dr. R H M Somanath Swamy, Assistant Professor and Prof. Virupaksha Gouda H, Assistant Professor, have Published a book on Non– Traditional Machining, under INSC International Publications.

Faculty Achievements BOE/BOS

SL.NO	NAME	BOE / BOS /LIC/ ETC	UNIVERSITY	ACADEMIC YEAR (DURAITON)
1	Dr. Nagaraj Kori	BOE Member	Department of Mechanical Engineering, Ballari institute of technology and management, Ballari (Autonomous Institute).	2020-21
2	Dr. Veerabhadrapppa Algur	BOE Member	UG (FIS) and PG (SRE & FIS) coerces at VSKUB	2020-21

Interaction with Outside World

Sl.	Name of the Faculty	Role of the Faculty	Event
1	Dr. C Thotappa	Reviewer	Logistic and Supply Chain Management Cours for PGDM Program at Ramaiah Institute of Management, Bengaluru on FEB 2021
2	Dr. Manjunatha K	Reviewer	Three Papers are Reviewed in Materials Today Proceedings, Published by Elsevier Ltd
3	Dr. Manjunatha K	Reviewer	Six Papers are Reviewed in Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Published by Taylor and Francis Ltd.
4	Dr. Manjunatha K	Reviewer	One paper is Reviewed Asian in Journal of Engineering and Technology (AJET)
5	Dr. Veerabhadrapppa Algur	Reviewer	Journal of Tribology in Industry, Journal of Serbian Tribology Society, Jan 2020-21
6	Dr. Veerabhadrapppa Algur	Reviewer	International Journal of Mechanical Engineering and Robotic Research February 2021
7	Dr. Veerabhadrapppa Algur	Reviewer	International Research Journal of Modernisation in Engineering Biotechnology and Science, February 2021 and 31 March 2021
8	K C Mahendra	Resource Person	Training for IHB Fabricator underb Up Skilling Fabricator Partners Program Organized by JSW
9	Dr. Veerabhadrapppa Algur	Scientific Committee Member	For International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST) during 09 -10 April 2021 Organized by Ramachandra College of Engineering, Eluru, Andhra Pradesh in Association with IFERP

Faculty Invited Talks

SL	NAME	DETAILS OF THE TALK (FDP/ WORKSHOP/ WEBINAR/ETC.,	INSTITUTE	DATE
1	Dr. Nagaraj Kori	Passive Cooling Methods-A Study on Thermal Behavior of opaque ventilated facades in Six days online Faculty development program on "Recent Developments in Mechanical Engineering	Coorg Institute of Technology, Coorg	23 rd April 2021
2	Dr. Sardar Kotresh	Web Based Design and Manufacturing of Medical Implants using CAD/CAM/CAE	CMR University, Bengaluru.	17 th April 2021
3	Dr. Veerabhadrapppa Algur	Design of Experiments using Taguchi Optimization Techniques	Coorg Institute of Technology, Coorg	23 rd April 2021

Student Contribution towards Art



Sunil Kumar
3VC18ME057
Mechanical
7th Semester

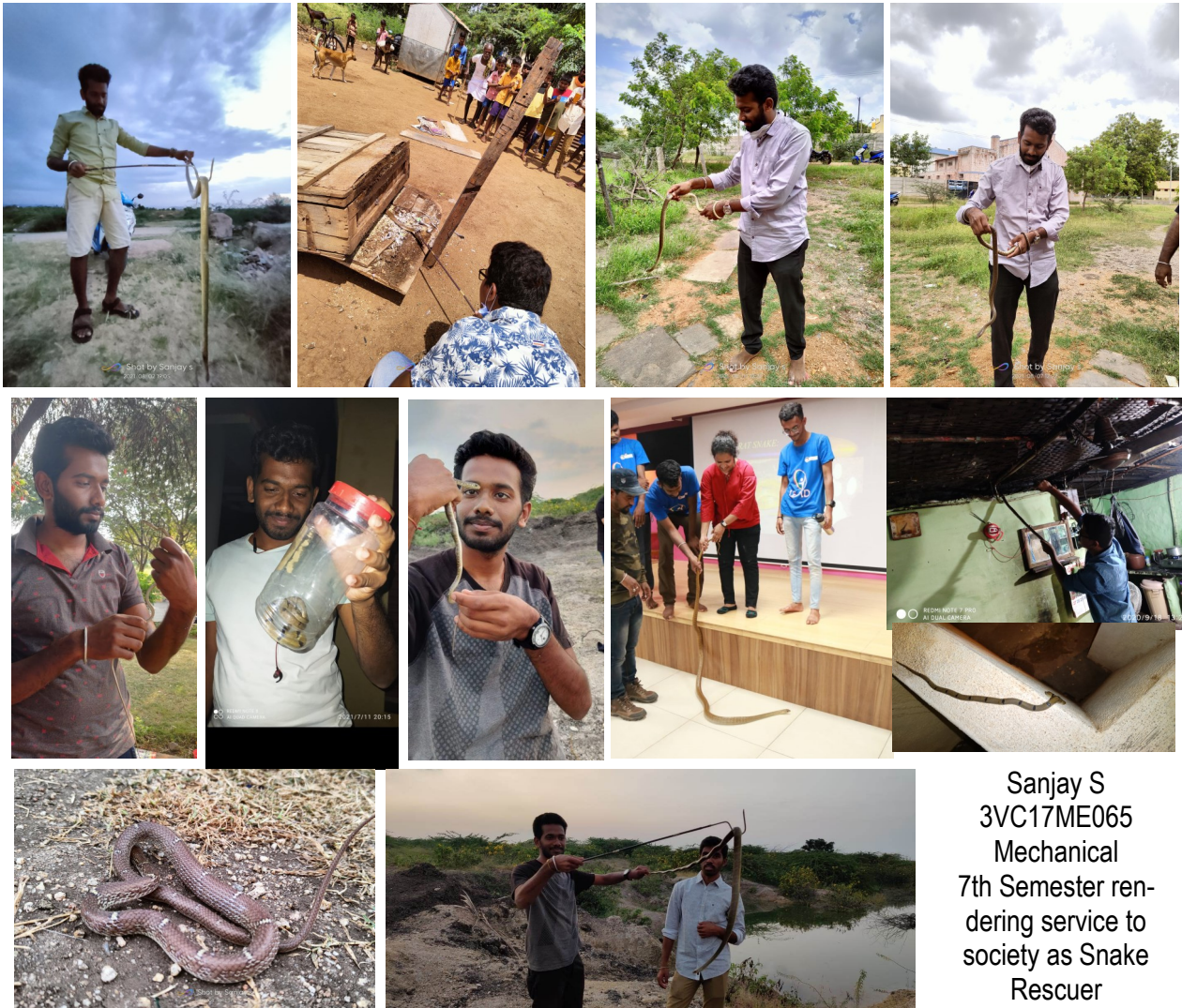
WEBINAR

One Day Student Webinar on Significance of Small Steps in the Journey of Success was conducted on 20 November 2020. Resource Person Mr. Rangarao Desai Robert Bosch Ltd, Brazil addressed the session

One Day Technical Talk on Application of CFD in Heat Transfer in Association with Advanced Research and Technologies, Mysore was Organized on 5 December 2020. Resource Person Basavaraj K addressed the session.



Student Contribution towards Society as Snake Rescuers



Sanjay S
3VC17ME065
Mechanical
7th Semester rendering service to society as Snake Rescuer




SNAKE BITES: DO'S AND DONT'S

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> ✔ Stay calm. ✔ Call 911 immediately to be evaluated. ✔ Take off anything constricting the area, such as a ring or watch. ✔ Position the affected area at or above heart level. If you are bitten on the hand, bring it to heart level, and if you're bitten on the leg or foot, elevate it if possible. ✔ Go to the emergency room – the sooner the better. | <ul style="list-style-type: none"> ✘ Don't apply a tourniquet or a constriction band. ✘ Don't apply ice; it can cause local tissue damage. ✘ Don't apply heat. ✘ Don't cut the affected area and attempt to suck the venom out. ✘ Don't use a commercially-available extraction device. ✘ Don't use electrical therapy. ✘ Don't apply any type of lotions or ointments. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SOURCE: DR. SPENCER GREENE, DIRECTOR OF MEDICAL TOXICOLOGY AND ASSISTANT PROFESSOR OF MEDICINE – EMERGENCY MEDICINE AT BCM



Faculty Achievements PhD Awarded

SL	Name	Title of Thesis	University	Photo
1	Sri. M Balaji	Experimental Investigations on Hybrid Composites of Aluminum using Extrusion Process	VTU	
2	Sri. K G Prakash	Experimental Investigations on Mechanical Properties of HEMP & Glass fibers Reinforced Epoxy Hybrid Composites with Censosphere as Filler Material for Engineering Applications	VTU	
3	Sri. G Manjunath Swamy	Design, Fabrication and Performance Testing of Directional Control Valve for Control of Multiple Actuators	VTU	

Faculty Achievements Patents Applied



Dr.Hiregoudar Yerranna Goudaru, Professor has applied for following Patents in the year 2020-21

Sl. No.	Title	Patent
1	A Novel Metal of Hybrid Composites of Hot Extruded Aluminum for IC Engine Applications	Patent Registration No. 202041043341 Dt:06.10.2020
2	A Novel Swirl Diffuser Fuel Injector Development for IC Engine	Patent Application No. 202041046747 Dt: 27.10.2020
3	A Novel Swirl booster manifold attachment device to enhance the intake air swirl, Engine performance	Patent Registration No.202141002339 Dt: 19.01.2021
4	A Novel single and double circular grooved inlet poppet valves to enhance the intake air swirl, Engi	Patent Application No. 202141002341 Dt: 19.01.2021
5	A Novel two, three and six radial grooved inlet poppet valves to enhance the intake air swirl, Engin	Patent Registration No.202141002344 Dt: 19.01.2021
6	A Novel Hemi-spherical grooved shape on inlet poppet valve sear surface and its impact on the intake	Patent Registration No.202141002347 Dt: 19.01.2021

Superannuation



Shri M. Vamadeva Instructor Mechanical Engineering Department Retired from the Service on 31 December 2020



Dr. K. Veeresh, Principal and former Head of Mechanical Engineering Department Retired from the Service on 30 January 2021

Our Deepest Condolence



Prof. A. Swamynath
Assistant Professor
Expired on 5 August 2020



Mr. Jagadesh
Instructor
Expired on 4 October 2020



VISION OF THE DEPARTMENT

To Produce Professionally Excellent, Knowledgeable, Globally Competitive, Socially Responsible Mechanical Engineers and Entrepreneurs.

MISSION OF THE DEPARTMENT

- To provide quality education in Mechanical Engineering and Management.
- To Establish a Continuous Industry Institute Interaction, Participation, Collaboration to Contribute Skilled Mechanical Engineers
- To Impart Human, Socio-Ethical values and Entrepreneurship skills among Mechanical Engineers
- To Promote Research and Development (R & D) and Innovative Technologies in the Emerging Areas of Mechanical Engineering

PROGRAM EDUCATIONAL OBJECTIVES

PE01	Graduates of Mechanical Engineering shall Develop Strong Academic Foundation for Successful Professional Career.
PE02	Graduates of Mechanical Engineering Acquires skills to excel in the area of Mechanical Engineering both in Industries and Academics.
PE03	Graduates of Mechanical Engineering Possess awareness towards Higher Education, R & D and Socio-Ethical values.

PROGRAM SPECIFIC OUTCOME 'S

PSO 1	Graduates are able to Design, Analyze and Develop Mechanical Systems.
PSO 2	Graduates are Capable of Developing Research Skills in Self Sustainable Energy sources and Composite Materials.