

# NIRVANA

DEPARTMENT OF MECHANICAL ENGINEERING  
VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY, PUTTUR. 08251-234555



Volume: 7

Issue: 2

Pages: 02

July 2020

BIANNUAL NEWSLETTER

## Best Innovative Design



5<sup>th</sup> Edition of National Level SAE Aero-design Challenge was held at Erode, Coimbatore from 28<sup>th</sup> Feb to 1<sup>st</sup> March 2020. The RC Plane, named "JATAYU AEROWING" designed and fabricated by the students of Mechanical Engineering of Vivekananda College of

Engineering & Technology bagged the "Best Innovative Design" award out of 139 Teams Participated in the event. The event has given a vast knowledge regarding Industrial approach and helped students to stand out in National Competition, giving them scope to evolve and learn different designs and methodologies in different systems.

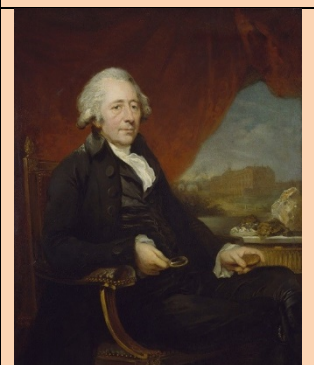


## EDITORS TEAM

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**James Watt**



Born on **January 19<sup>th</sup>, 1736** in Scotland. Was a Scottish inventor, mechanical engineer and chemist most famous for his work on the world's first modern steam engine.

### Vision

**" To be a well-recognized department in providing conducive environment for learning, leading to well-qualified engineers who are innovative and successful in their diverse careers".**

### Mission

**M1: Students:** To Prepare, educate, inspire and mentor the students to excel as professionals.

**M2: Faculty:** To Facilitate in academic and research activities.

**M3: Infrastructure:** To provide state of the art infrastructure facilities in the field of mechanical engineering.

**M4: Teaching Learning:** To improve pedagogical methods employed in delivering the academic programs.

## FACT

The "Traub," the rarest motorcycle in the world, was found behind a brick wall in Chicago in 1968, and still runs to this day. An examination from Dale Walksler, the current owner, reveals it can be dated back to 1916. The engine's technology was well ahead of its time, and even some mechanisms on it had never used on any other American motorcycle.



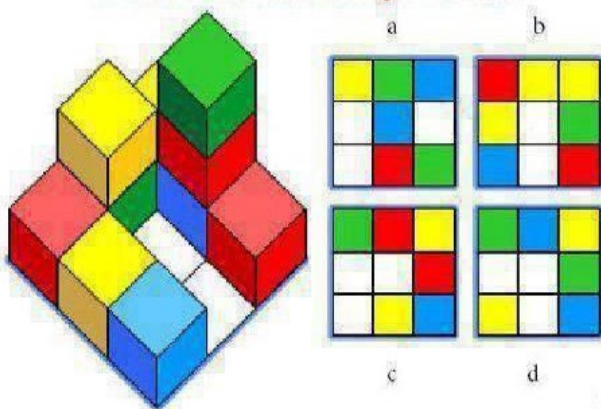
## CATIA V5 Software Training

Online Training of CATIA V5 Software was conducted for Mechanical engineering students, Jointly Organized by M.V. Solutions Pune, VCET Alumni Association, ISTE student chapter & IQAC. The training was held from May 25th to June 15 by Mr. Ejith, Design Engineer M.V. Solutions, Pune., is an Alumni of VCET Puttur. The entire training was very much helpful in enhancing the design skills of our budding engineers. About 40+ students of various semesters were actively involved in the training and gained their knowledge with real time projects. In Part Design section of this super course, Resource person has explained tons of methods and techniques on how to sketch, create feature base on the sketch, modify the feature in sketch of definition, create complex shapes and bodies, etc. so that participants will be totally comfortable with everything that they may encounter in this software. The following topics are taught in this session

- Create a new PLM object
- Create and constrain 2D sketches
- Complete a 3D model using features
- Review and edit the features
- Create parameters and formulas in the 3D model
- Create a new product and add components to it
- Move the components within a product by positioning them using assembly constraints
- Create simple projection views and section views of 3D parts
- Position the views on a drawing sheet
- Add dimensions and annotations to the views
- Finalize the drawing sheet by adding borders and title blocks

Test Your Intelligence

Which is the top view?



## Innovation and Society



Prof. Sunil B Lakkundi, Assistant Professor, Department of Mechanical Engineering along with four mechanical engineering students namely Mr. Madhuprakash, Mr. Dhananjaya M L, Mr. Adithya Rai M and Mr. Akshay Kumar K has innovated a weight trolley to carry agricultural goods from low terrain to high terrain. In this work a simple, economical, compact cable way system has been designed, developed and fabricated to haul household items, agricultural goods weighing about 200kg. It is designed and developed for the use of rural people.

### Best Project Award in KSCST

Project Titled Design & Fabrication of Rubber Taping Machine" Secured "Best Project" Award in 43<sup>rd</sup> series KSCST Project Expo. Mechanical Engineering students Mr. Shashan Rai, Mr. Shrijan P, Mr. Sanjan Rai and Mr. Prajwal Kumar Shetty under the guidance of Assistant Professor Mr. Ajith K have innovated this project.



Can You Find?

$$\text{Watermelon} + \text{Watermelon} + \text{Watermelon} = 36$$

$$\text{Watermelon} + \text{Orange} + \text{Orange} = 28$$

$$\text{Orange} - \text{Banana} = 3$$

$$\text{Orange} = ? \quad \text{Watermelon} = ? \quad \text{Banana} = ?$$