



Edition 2021-22

## Abhiyaan

is Title of our Newsletter of

Mechanical engineering

department.

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## Cover Story

TATA Leading EV in  
India

EV Updates

## Inside

### Pages:

Activities of  
Department  
Such as-

- Industrial Visit
- Shiv Jayanti Day



We are pleased to present the September 2021 edition of Benchmark. In this edition, you will find an article on 'EV Scenario in India' and the contribution by Students and Faculty members of the Department of Mechanical & Automobile Engineering highlighted in the month of August. News updates and departmental activities are part of Canvas.

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To excel in every area of Mechanical Engineering, inculcate research oriented study to explore hidden talent.

Providing Opportunity to display creativity, out of the box thinking & innovativeness, aimed at providing cutting edge technology for sustainable development.

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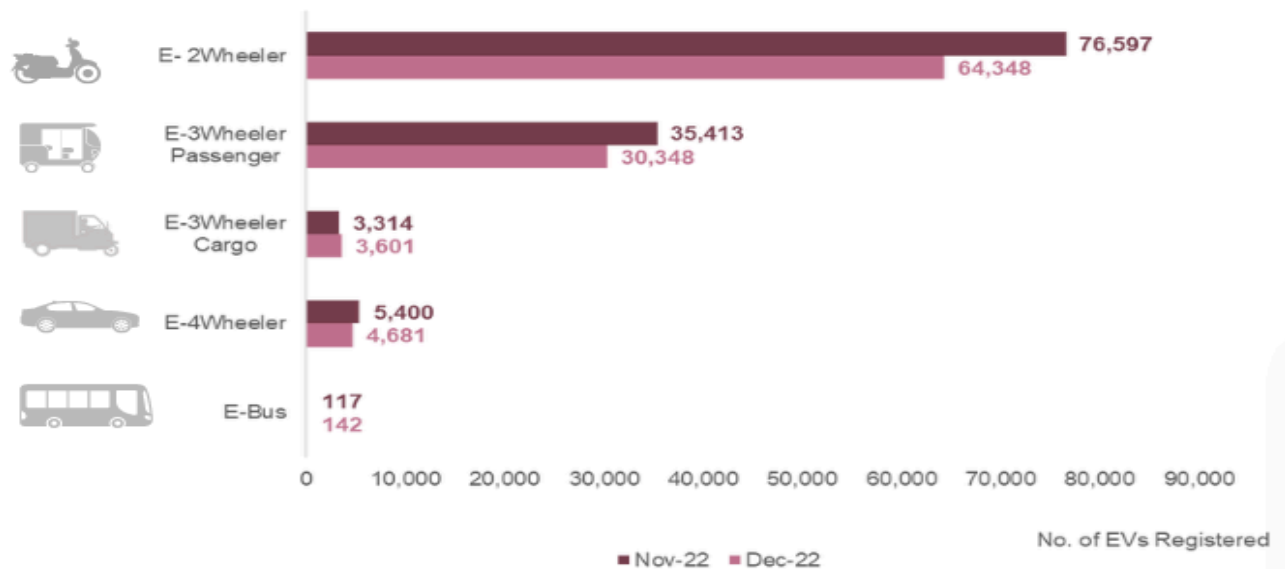
Providing qualified, motivated faculties to deliver the content using updated teaching methodology, inviting industry experts from various areas to disseminate subject knowledge in Mechanical Engineering.

Motivating students to undertake the Research Oriented studies, participate in competitions at all levels, grasping new techniques and methods which can be improved on further.

Conducting and participating in seminars, workshops and training programs with a view to make the students industry ready and improve their employability factor for global career ahead.

To create quality professionals capable of planning, designing and analytical skills for better infrastructural development in the field of Mechanical Engineering.





## **EV sales see spike in India, from 48,179 in 2020-21 to 4,42,901 in 2022-23**

Minister of Heavy Industries, Mahendra Nath Pandey, said in a written reply in the Lok Sabha on Tuesday that the ministry has implemented a scheme titled 'Faster Adoption and Manufacturing of Electric Vehicles in India Phase II' (FAME India Phase II) to promote adoption of electric/hybrid vehicles in the country.

Retail sales of electric vehicles have jumped 3-fold in the fiscal year that ended on March 31, with sales hitting 4.29 lakh units compared to 1.35 lakh units in the prior fiscal (FY21), according to the Federation of Automobile Dealers Associations (FADA) of India.

The FADA is the national apex body of the automobile retail industry in India engaged in the sale, service and spares of two- and three-wheelers, passenger cars, UVs, tractors and commercial vehicles, including buses and trucks.

If we look at the FADA monthly data, electric 2-wheeler sales led the spike by witnessing a jump of 53 per cent, and the sale of electric passenger vehicles has grown by 51 per cent in March. However, what has witnessed a decline was the sale of commercial electric vehicles, which fell by 27 per cent.

## **Tata Motors goes all-out to defend EV lead in India**

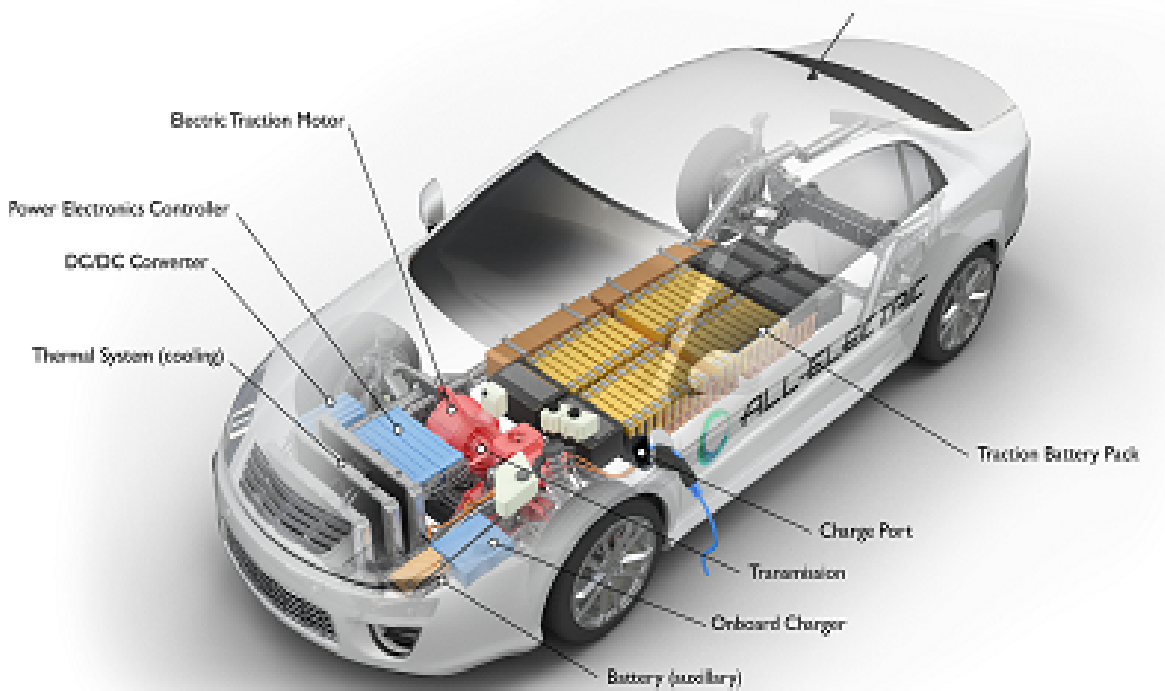
Tata Motors, a trailblazer in India's electric vehicle market, is doing everything it can to ensure it maintains the dominant position as the market grows and more competition emerges.

Prices had started at 849,000 rupees when Tata Motors began taking preorders in October, lower than the 1 million rupee-plus price tag on other electric models. This was originally meant to apply only to the first 10,000 orders, but after hitting that mark on the first day, Tata expanded the promotion to 20,000 orders.

Even before the release of the Tiago, Tata Motors -- a core company in the Tata Group conglomerate -- dominated India's electric market. It accounted for over 44,000 of the 51,172 electric passenger vehicles sold in the country in 2022, according to U.K.-based researcher LMC Automotive.

This is still a small fraction of what has become the world's third-largest auto market, where about 4.72 million new passenger and commercial vehicles were sold last year, based on data from the Society of Indian Automobile Manufacturers. But electrics are widely expected to pick up speed amid the global pivot from fossil fuels, and Tata Motors aims to stay ahead of the pack.

A key part of this plan is securing an in-house source of batteries, which would bring down production costs and make the company more competitive. Tata Motors is considering building battery plants in India and Europe.



## **How does it affect us? What are the pros and cons?**

### **Pros**

- Lower running costs
- Low maintenance cost
- Zero Tailpipe Emissions
- Tax and financial benefits
- Electric Vehicles are easy to drive and quiet
- Convenience of charging at home

### **Cons**

- · Higher Purchase Cost. Compared to regular automobiles
- · Low Speed and Range.
- · Low Price on ReSelling.
- · The Inconvenience of Service Station
- · Battery Expenses
- · Expensive Recharging Options

## Industrial Visits of

Industrial Visit to Chaas Kaman near Manchhar





# Activities

## **CELEBRATING SHIV JAYANTI BY STUDENTS**

On occasion of Shiv Jayanti on **February 19**, Our Staff members and students celebrating it and organized various activities. Thus our department gave tribute to our great Shri Chhatrapati Shivaji Maharaj.

Chhatrapati Shivaji Maharaj Jayanti, also known simply as Shiv Jayanti, is a festival and public holiday of the Indian state of Maharashtra. This festival is celebrated on February 19, celebrating the birth anniversary of Chhatrapati Shivaji Maharaj, the first Chhatrapati and founder of the Maratha Empire..

In 1894, Lokmanya Bal Gangadhar Tilak started public celebration of the birth anniversary of Chhatrapati Shivaji Maharaj as 'Shiv Jayanti' to inspire the youth to become like Shivaji Maharaj, and to unite the Hindus for a national awakening.



## **NEWS BULLETIN**

### **FDI firms witnessed great recovery in 2021-22 as COVID impact diminished: RBI**



### **Engineering students to pursue 3 internships from 2021-22**

SRUTHY SUSAN ULLAS / TNN / Updated: Sep 20, 2021, 14:56 IST



As part of NEP, students will have to earn 180 credits instead of the 175 under the present system

BENGALURU: With the new [National Education Policy \(NEP\)](#) set to be implemented from academic year 2021-22, [engineering students](#) joining colleges in the state will have to pursue three internships instead of one that is currently the norm.

The three internships include one after first year (three-week duration), another after second year (four weeks) and the last during the seventh semester (24 weeks).



## England last-wicket pair hang on to draw 4th Ashes Test vs Australia

AFP / Updated: Jan 9, 2022, 14:53 IST



AP Photo

SYDNEY: Battle-weary England dug in for a gripping draw with just one wicket left to deny dominant Australia a 4-0 series lead in the fourth [Ashes](#) Test in Sydney on Sunday.

Number 11 batsman [James Anderson](#) safely played out a tense 102nd and final over from leg-spinner Steve Smith in deteriorating evening light as England ended on 270 for nine chasing a 388-run target in a heart-pumping finish.

It all came down to the last six balls at the Sydney Cricket Ground with eight fielders crowding around the bat as Anderson fended off Smith's part-time leg-spin.



