



Bachelor of Technology in Automobile Engineering

School of Technology

Pandit Deendayal Petroleum University

SOT
SCHOOL OF
TECHNOLOGY

OUTLINE

Automobile Engineering encompasses almost all facets of technologies that are currently developed. More importantly, the domain paves the way for the development of never-thought-of technologies. The current era is seeing a revolution in the way we think about Automobiles. There have been many positive disruptions in the domain viz. the use of non-conventional power source for Vehicle Propulsion, Innovative Transmission Technologies, Active Suspensions, Active Aerodynamics and Technologies for Unprecedented Safety, to name a few.

With the world turning towards connected devices and technologies of Industry 4.0, the scope of integrating these technologies in the domain of Automobile Engineering is immense.

The 'Bachelor of Technology in Automobile Engineering' at PDPU has been commenced with a similar inspiration to impart competencies in the domain of Automobile Engineering and make the aspirants competent of future technology development.

Key Features:

- Contemporary course curriculum.
- A robust and active framework for course curriculum vetting and updating. The framework takes the inputs from leading Industry personnel and educationalists.
- An established framework of the University helps in providing the best resources to the students.
- Modern Laboratory facilities.
- Availability of entire vehicle, exotic Engine-transmission assembly and the like for dissection purposes.

Key Connect:

- **‘International Automobile Centre of Excellence’** which has been formed in collaboration with Government of Gujarat, Maruti and PDPU to impart training for Automotive Technologies.
- Industry connect with Automobile companies like Ford Motors, Tata Motors, BMW India and the like.
- Student teams of PDPU have successfully been participating in ‘Vehicle Design and Development’ competitions like BAJA-SAEINDIA, SUPRA-SAEINDIA and many others.
- The Student team of PDPU also participates internationally in ‘Shell Eco-Marathon, Asia’ by developing an ultra-efficient electric vehicle.

INTERNATIONAL AUTOMOBILE CENTRE OF EXCELLENCE (iACE)



BAJA SAEINDIA TEAM CZAR



ACHIEVEMENTS

Year	Details	Rank
2020	Virtual Round Cleared Work in progress	
2019	Virtual Round	1 st
	Suspension and Traction	16 th
	Rock Crawl	18 th
2018	Sled Pull	10 th
2017	Design and Quality	8 th
2016	Endurance Race	4 th
	Overall Standing	10 th
	Rank in Gujarat	1 st
2015	Build Quality	3 rd
	Engineering Design	3 rd
2014	Sales Presentation	5 th
2013	Team Initiated	-



PLACEMENTS

PLACEMENTS	
Alumni	Company Placed In
Param Mehta	Mahindra & Mahindra (Through BAT)
Nabrit Sethi	Mortine Engineering
Krutin Rajani	Adani Gas
Ashish Dave	Reliance
Parth Patel	Bosch
Mohak Sheth	Adani Gas
Vyom Wadhwana	
Purvang Soni	
Neelkanth Thanki	GNFC Bharuch
Deep Bhalodi	L&T Pvt.Ltd.
Rhythm Patel	
Keyur Vora	
and many more...	



BAJA SAEINDIA TEAM SOVEREIGN

ACHIEVEMENTS

Year	Details	Rank
2020	Virtual Round Cleared Work in progress	9 th
2019	Design Evaluation	3 rd
	Endurance	12 th
	Overall Ranking	12 th
2018	Endurance	19 th



PLACEMENTS

Alumni	Placed at
Shishir Raghava	Mahindra & Mahindra (Through BAT 2019)
Abhinav Kumar	Mahindra & Mahindra (Through BAT 2018)
Sanket Patel	Hitachi
Bhargavi Korot	Tata Chemicals
Priyank Rajvir	Torrent Power
Nisit Modi	Torrent Gas
Romil Jhaveri	Nirma
Shyam Sakaria	TCS
Ravi Parmar	Infosys
Dhwani Patel	IMEG
and many more...	



SHELL ECO-MARATHON, ASIA

- PDPU has been participating in 'Shell Eco-Marathon Asia (SEMA)', since 2015. Every year a team of about 23 students and 2 faculty mentors engage themselves in designing and developing an Electric vehicle for Shell Eco-Marathon.

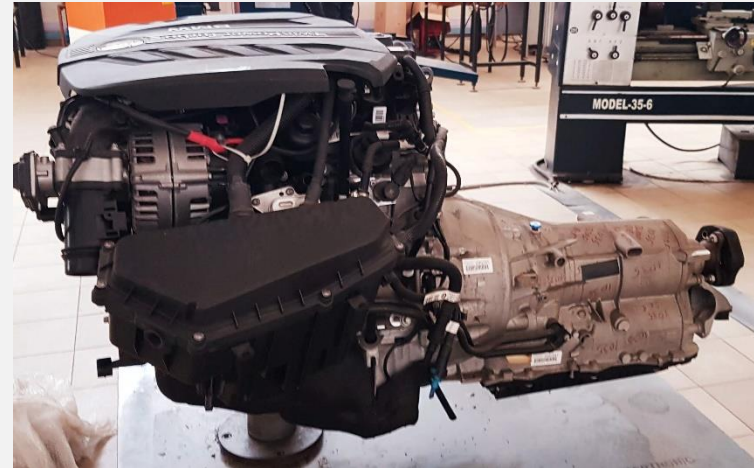


PDPU at SEMA-2019, Malaysia

Year	2015	2016	2017	2018	2019
Result	Maiden Participation. Couldn't clear inspection	Completed Inspection. Lost on Track.	Ranked 16 th in Asia in Battery Prototype Category with an efficiency of 81 km/kWh	Couldn't clear inspection	Ranked 12 th in Asia in Battery Prototype Category with an efficiency of about 123 km/kWh

BMW ENGINE - TRANSMISSION ASSEMBLY

- PDPU participated in the BMW's Skill Next Initiative as part of which we have received a BMW Engine and Automatic Transmission Assembly (BMW TwinPower Turbo in-line 2.0 litre 4-cylinder diesel engine and the BMW eight-speed Steptronic automatic transmission) for Educational purposes at no cost.
- The same engine and transmission assembly is found in currently manufactured BMW cars
- A 'Train the Trainer' program was also held for training on the Assembly.



BMW Engine-Transmission Assembly at PDPU



'Train the Trainer' Program

FORD VEHICLE AT PDPU

- PDPU received a fully functional vehicle from Ford Motors, Sanand at our PDPU Campus, at no cost.
- The Vehicle has been received for education/training of our students.
- The Vehicle can be used for learnings by disassembly and demonstrations.



Ford Vehicle Delivery Program



Ford Vehicle at PDPU