

## **Automobile Engineering**

### **Demand of Automobile Engineering in Gujarat.**

The core subject of automobile Engineering is Vehicle Engineering, in which the knowledge of Mechanical, Electrical, Electronics and Safety Engineering is served. With the initiative of Gujarat Government & the coming up of **Tata Motors** in Gujarat, a huge demand of experts in this field have been aroused. Generally it is assumed that after completing B.E, a person gets job in an **Automobile Garage**, Which is a wrong belief. In this field, the Students are given the knowledge of design of Auto- Vehicles, operation of vehicle's & design of auto Sub System, due to which the automobile engineers can play an important role in the manufacturing or designing of vehicles of various types i.e. from Space High to two wheelers. With the efforts of Gujarat Government, after **Pune & Karnataka**, Gujarat especially **Rajkot** is moving towards becoming of **Automobile Hub**.

### **What are the Opportunities?**

In this Sector, there remains a demand of Automobile Engineer, in Small & Medium Auto component manufacturing, Service Station of Automobile Companies, The Companies that design & works for development, Auto Sales & marketing Companies etc.

### **Where are the Opportunities?**

In Gujarat there is a considerable development in this field, after the arrival of General Motors for the first time in Gujarat, for a long time there was just the manufacturing of auto components but after the upcoming of Tata- Motors, the confidence of auto manufactures has taken new heights. Following which now, *AshokLeyland, Hero groups, Asian motor works, Mahindra & Mahindra, Volkswagen will be having then plants in Gujarat.* starting your own automobile workshop is another area for interested engineers. designing and re-modeling of vehicle is emerging area for earning potential.

### **Big Opportunities in Gujarat.**

According to the reports of Human resource and skill development in auto & auto components of Indian Government's National Skill development Corporation, In the forth coming years there are many jobs growing up for auto engineers. Due to the long 1600 km coastal area of Gujarat, the foreign companies are preparing for the installing their plant. There is an equal opportunity in this field in production of vehicle of public sector as well as defence sector.

### **Chances of jobs in foreign countries.**

There is a bright future of automobile engineer for foreign countries too. In this branch almost 80% of syllabus is of mechanical engineering, where as other 20% include the knowledge of electrical, electronics and software engineering. The student having an opportunity to go for high education such as Post graduation and PhD.

## What is the salary package?

Average – Around ₹4,00,000 per annum.

Higher - ₹ 5,00,000 per annum.

Least - ₹ 3,00,000per annum.

## TOTAL INTAKE OF AUTOMOBILE ENGINEERING IN GUJARAT

Sr. No	Institute	Branch	Intake
1	<i>GIDC DEGREE ENGINEERING COLLEGE</i>	A U T O M O B I L E E N G I N E E R I N G	60
2	<i>GOVERNMENT ENGINEERING COLLEGE, MODASA</i>		120
3	<i>GOVERNMENT ENGINEERING COLLEGE, RAJKOT</i>		60
4	<i>L. D. ENGINEERING COLLEGE , AHMEDABAD</i>		60
5	A. D. PATEL INSTITUTE OF TECHNOLOGY		60
6	AHMEDABAD INSTITUTE OF TECHNOLOGY		60
7	ARUN MUCHHALA ENGINEERING COLLEGE		60
8	BHAGWAN MAHAVIR COLLEGE OF ENGINEERINGAND TECHNOLOGY		60
9	C. U. SHAH COLLEGE OF ENGINEERING &TECHNOLOGY		60
10	CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OFTECHNOLOGY		120
11	HASMUKH GOSWAMI COLLEGE OF ENGINEERING		60
12	INDUS INSTITUTE OF TECHNOLOGY &ENGINEERING		60
13	IPCOWALA INSTITUTE OF ENGINEERING &TECHNOLOGY		60
14	K. J. INSTITUTE OF ENGINEERING & TECHNOLOGY		60
15	L.D.R.P. INSTITUTE OF TECHNOLOGY AND RESEARCH		60
16	L. J. INSTITUTE OF ENGINEERING & TECHNOLOGY		120
17	LAXMI INSTITUTE OF TECHNOLOGY		60
18	MAHAVIR SWAMI COLLEGE OF ENGINEERING &ECHNOLOGY		120

19	MARWADI EDUCATION FOUNDATION'S GROUPOF INSTITUTIONS, FACULTY OF TECHNOLOGY	<b>G</b>	60
20	MERCHANT ENGINEERING COLLEG		60
21	NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY		120
22	PARUL INSTITUTE OF TECHNOLOGY		60
23	S. P. B. PATEL ENGINEERING COLLEGE (SAFFRONY)		60
24	SAL INSTITUTE OF TECHNOLOGY & ENGINEERINGRESEARCH		60
25	SARDAR PATEL INSTITUTE OF TECHNOLOGY, BASNA CAMPUS		120
26	"SHRI SATSANGI SAKETDHAM 'RAM ASHRAM' GROUP OF INSTITUTIONS"		60
27	SWAMINARAYAN COLLEGE OF ENGINEERING & TECHNOLOGY		60
<b>TOTAL INTAKE IN ACADEMIC YEAR 2013-'14</b>			<b>1980</b>

### **Automobile Manufacturing Facilities Available in India.**

<b>Sr. No.</b>	<b>State</b>	<b>Manufacturing facilities</b>	<b>Address</b>
<b>1</b>	<b>GUJARAT</b>	General Motors India Private Limited.	Halol
		Tata Motors.	Sanand.
		Asia Motor Works AMW.	Bhuj.
<b>2</b>	<b>HARIYANA</b>	Hero MotoCorp.	Dharuhera, Gurgaon.
		India Yamaha Motor.	Faridabad.
		Honda.	Manesar.
		Suzuki.	Gurgaon.
		Maruti Suzuki.	Gurgaon, Manesar.
<b>3</b>	<b>Himachal Pradesh</b>	TVS Motors.	Nalagarh
		ICML Motors.	Amb.

		TAFE Tractors.	Parwanoo.
4	<b>West Bengal</b>	Hindustan Motors Limited.	Kolkata.
5	<b>Jharkhand</b>	Tata Motors.	Jamshedpur.
6	<b>Karnataka</b>	TVS Motor.	Mysore
		Honda Motorcycle & Scooter India Pvt. Ltd.	Narsapura.
		Mahindra REVA Electric Vehicles.	Bangalore.
		Toyota Kirloskar Motor Private Limited.	Bidadi.
		Bharat Earth Movers.	Bangalore.
		Scania Commercial Vehicles India Private Limited.	Bangalore.
		TAFE Tractors.	Doddaballapur.
		Tata Motors.	Dharwad.
		Volvo Buses India Private Limited.	Hoskote.
		Bharat Earth Movers.	Mysore
7	<b>Kerala</b>	Bharat Earth Movers Defense Products - produces Tatra.	
		Kerala Automobiles Limited.	
8	<b>Madhya Pradesh</b>	Mahindra & Mahindra.	Pithampur.
		Eicher Motors.	Pithampur.
		Hindustan Motors.	Pithampur
		Force Motors Private Limited.	Pithampur
		TAFE Tractors.	Mandideep
9	<b>Maharashtra</b>	Bajaj Auto.	Waluj Aurangabad, Chakan.
		KTM Sport motorcycles.	Chakan.
		Vespa Scooters.	Baramati Pune.

		Kinetic Engineering.	Ahmednagar, Pune
		Mahindra & Mahindra Automotive Division.	Nashik, Chakan.
		Ssangyong Motor Company.	Chakan.
		Tata Motors Limited.	
		Mercedes-Benz Passenger Cars.	Chakan.
		Fiat Automobiles.	Ranjangaon Pune
		General Motors.	Pune.
		Volkswagen Group Sales India Private Limited.	
		Volkswagen.	Chakan.
		Audi AG.	Aurangabad.
		Skoda Auto.	Aurangabad.
		Chinkara Motors.	Karlekhind Alibag.
		Premier Automobiles Limited.	Pimpri Chinchwad.
		Ashok Leyland.	Bhandara.
		Bajaj Auto.	Waluj Aurangabad.
		Force Motors.	Pune.
		Mahindra Navistar.	Chakan.
		MAN Trucks India .	Akurdi Pune.
		Mercedes-Benz Buses India.	Chakan.
		Piaggio Vehicles.	Baramati Pune.
		Premier Automobiles Limited.	Pimpri Chinchwad
<b>10</b>	<b>Punjab</b>	SML Isuzu Limited (originally a Swaraj Mazda plant).	Nawanshahar
<b>11</b>	<b>Rajasthan</b>	Honda Cars India Ltd.	Tapukara.
		Ashok Leyland.	Alwar.

		TAFE Tractors.	Alwar
<b>12</b>	<b>Tamil Nadu</b>	TVS Motor.	Hosur
		Royal Enfield.	Chennai
		BMW India.	Chennai
		Ford India Private Limited.	Maraimalai Nagar
		Hyundai Motor India Limited.	Sriperumbudur
		Mitsubishi.	Tiruvallur.
		Renault Nissan Automotive India Private Limited.	
		Nissan Motor India Private Limited.	Oragadam.
		Renault India Private Limited.	Oragadam.
		Ashok Leyland.	Ennore, Hosur.
		Bharat Benz.	Oragadam.
		Kamaz Vectra Motors.	Hosur
		SAME Deutz-Fahr Tractors.	Ranipet, Vellore
		TAFE Tractors.	Chennai
		TVS Motors.	Hosur.
<b>13</b>	<b>Uttar Pradesh</b>	Tata Motors.	Lucknow.
		India Yamaha Motor.	Greater Noida.
		Honda Cars India Ltd.	Greater Noida.
<b>14</b>	<b>Uttarakhand</b>	Ashok Leyland.	Pantnagar.
		Tata Motors .	Pantnagar.