



The Maharaja Sayajirao University of Baroda

POLYTECHNIC

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

### **Conception of Technical Institute at Baroda:**

The concept of having an institute for providing Technical Education was first conceived in August 1886 during a prize distribution ceremony at Baroda College. In order to fulfill the dream of maintaining the pace of Baroda College with the increasing requirements of technical knowhow in various fields of Engineering & Technology, His Late Highness Maharaja Sayajirao Gaekwad III of Baroda State established Kalabhavan, a Technical Institute in 1890 at Kalabhavan Baroda.

**The prime objectives** of the institute at that time were to improve the existing industries, and to introduce a few more industries in the State of Baroda, which will be participating in the industrial development of the country.

The Kalabhavan was primarily started as an Arts and Crafts School offering education in various arts and crafts like;

- Engineering in three branches - Civil, Mechanical and Electrical
- Fine and Industrial Arts - Drawing & Painting (ii) Architecture and (iii) Photography and,
- Chemical Technology - (i) Textile chemistry including Dyeing, Bleaching etc. and (ii) Oil and soap making.

### **Formation of the University and Polytechnic:**

Both the Kalabhavan and The Baroda College went through various stages of development from 1894 to 1949, leading to the formation of The Maharaja Sayajirao University of Baroda in 1949. Then The M.S. University took over the charge of Kalabhavan in 1949, which was basically Arts and Crafts School and developed it first in to The Polytechnic, and then to the Faculty of Technology and Engineering. Primarily Faculty of Technology & Engineering was offering both the Diploma and the higher Degree courses in the above mentioned branches of engineering from 1949 and onwards.

With the advent of various new courses in Engineering and Technology at graduate level and space constraints to conduct both the Diploma and Degree courses in Engineering under one faculty premises, it became mandatory to develop an additional institute, where the basic engineering knowledge can be transferred to the society, which ultimately led to the foundation of the Separate Polytechnic building.

The foundation stone of new Polytechnic Building was laid by His Highness Dr. Rajendra Prasad, the first President of India on September 1957. The construction of new building took place almost three years, and in the year of 1960, the teaching of Diploma courses was officially started at the existing polytechnic building as we know it today. Initially only the diploma courses in Civil, Mechanical and Electrical Engineering were offered.

## **POLYTECHNIC**

### **VISION**

**To develop Polytechnic for inspired learners committed to serve community with mastery while aligning core values with The Maharaja Sayajirao University's mission of self-Discipline, Personal integrity, care & concern, openness, Responsibility and Excellence**

### **MISSION/ OBJECTIVE**

**To Design/offer a curriculum and short term courses which will give the opportunity to gain internationally recognized qualifications while implementing the best education practice which will serve the society to meet and sustain the challenges on day to day basis. Like – Employment, vocational training and skills, hard & soft skills, environment protective, cost affordable solutions etc....**

**The courses offered by the Polytechnic**

- 1. Civil Engineering**
- 2. Mechanical Engineering**
- 3. Electrical Engineering**
- 4. Petrochemical Technology**
- 5. Information Technology**
- 6. Electronics and Communication (HPP)**
- 7. Computer Engineering (HPP)**
- 8. Architecture Assistantship (HPP)**
- 9. Civil Engineering (Extended Diploma Course)**
- 10. Mechanical Engineering (Extended Diploma Course)**
- 11. Electrical Engineering (Extended Diploma Course)**

### **CIVIL ENGINEERING DEPARTMENT**

**Department of civil Engineering is having a rich heritage with Polytechnic right from the date of inception of Polytechnic, which started at Kalabhavan. Department along with Polytechnic was shifted in 1960 from kalabhavan to the new building where today the Polytechnic is exist. Civil Engineering Department offers a six semester full time course of Diploma in Civil Engineering and 8 semester course of Diploma in Civil Engineering in Evening hours, which is known as Extended Diploma Course. In the past and currently the department is having experienced and dedicated faculties. The department is equipped with latest instruments in various laboratories.**

## **ELECTRICAL ENGINEERING DEPARTMENT**

The department was established in 1957. Department runs three year diploma full time course as well as part-time diploma course so that working people can also upgrade their qualification. A course of Diploma in Information Technology was started in the year 2000. In the academic year 2006-2007 new courses of Diploma in Computer Engineering & Diploma in Electronics & Communication are started. In the year 2007 the Department received MODROB grant of 11, 00,000/- by AICTE, which was utilized in the development of Electronics Laboratory so that the students will get a knowledge of latest trend going on.

## **MECHANICAL ENGINEERING DEPARTMENT**

Department of Mechanical Engineering is having a rich heritage of having been with Polytechnic right from the date of inception of Polytechnic which started in 1903 at Kalabhavan.

Department along with Polytechnic was shifted in 1960 to the new building where today the Polytechnic is existing. Right since then the Department is having full fledged labs of Thermal Engineering sciences, Hydraulics & a workshop for manufacturing & production processes. There is three year full time Diploma course and also part-time diploma course, run by the department.

## **PECTROCHEMICAL TECHNOLOGY DEPARTMENT**

The Department of Petrochemical Technology is academically part and partial of Chemical Engineering Department at Faculty of Technology & Engineering of The M.S. University of Baroda was established in the academic year 1969-70 under the Indo-USSR agreement. The Petro Chemical Technology Department established in 1969-70, is the oldest as well as the most established department, in the state of Gujarat.

## **HIGHER PAYMENT PROGRAMS**

- 1. Electronics and Communication.**
- 2. Computer Engineering**
- 3. Architecture Assistantship.**

**TOTAL INTAKE: 950 STUDENTS (GIA, HPP, EDC)**

**TOTAL INTAKE: Branch-wise**

<b>Sr. No.</b>	<b>Courses</b>	<b>intake</b>
1.	Civil Engineering	180
2.	Mechanical Engineering	165
3.	Electrical Engineering	150
4.	Petrochemical Technology	45
5.	Information Technology	30
6.	Electronics & Communication(HPP)	60
7.	Computer Engineering (HPP)	60
8.	Architecture Assistantship (HPP)	60
9.	Civil Engineering (Extended Diploma Course )	65
10.	Mechanical Engineering (Extended Diploma Course )	70
11.	Electrical Engineering (Extended Diploma Course)	65

**For GIA Teacher Student Ratio: 1:20**

**For HPP Teacher Student ratio: 1:30**

**FEE STRUCTURE FOR REGULAR COURSES(Grant in Aid courses.)**

<b>Sr. No.</b>	<b>Departments</b>	<b>Fees for the academic year 2016-17 in Rupees for Boys</b>
1.	Civil Engineering	6600/-+ 780/- (exam fee per sem.)
2.	Mechanical Engineering	6600/-+ 780/- (exam fee per sem.)
3.	Electrical Engineering	6600/-+ 780/- (exam fee per sem.)
4.	Petrochemical Engineering	6600/-+ 780/- (exam fee per sem.)
5.	Information Technology	6600/-+ 780/- (exam fee per sem.)

Sr. No.	Departments	Fees for the academic year 2016-17 in Rupees for Girls and TFWS
1.	Civil Engineering	6400/-+ 780/- (exam fee per sem.)
2.	Mechanical Engineering	6400/-+ 780/- (exam fee per sem.)
3.	Electrical Engineering	6400/-+ 780/- (exam fee per sem.)
4.	Petrochemical Engineering	6400/-+ 780/- (exam fee per sem.)
5.	Information Technology	6400/-+ 780/- (exam fee per sem.)

- ON-LINE REGISTRATION FEE Rs/- 300 FOR FIRST YEAR(Grant in aid courses) STUDENTS ONLY.

#### FEE STRUCTURE FOR HIGHER PAYMENT PROGRAM

Sr. No.	Departments	Fee Structure for academic year 2016-17 in Rupees For Boys & Girls
1.	Electronics and Communication	36500/- +780/- (exam fee per sem)
2.	Computer Engineering	36500/- +780/- (exam fee per sem)
3.	Architecture Assistantship	36500/- +780/- (exam fee per sem)

Sr. No.	Departments	Fee Structure for academic year 2016-17 in Rupees For TFWS
1.	Electronics and Communication	11500/- +780/- (exam fee per sem)
2.	Computer Engineering	11500/- +780/- (exam fee per sem)
3.	Architecture Assistantship	11500/- +780/- (exam fee per sem)

Sr. No.	Departments	Fee Structure for academic year 2016-17 in Rupees For SC Free Ship Card
1.	Electronics and Communication	11500/-
2.	Computer Engineering	11500/-
3.	Architecture Assistantship	11500/-

- ON-LINE REGISTRATION FEE Rs/- 400 FOR FIRST YEAR (HPP) STUDENTS ONLY.

#### EXTENDED DIPLOMA COURSES

Sr. No.	Departments	Fees for the academic year 2016-17 in Rupees
1.	Civil Engineering	13650/- +780/- (exam fee per sem.)
2.	Mechanical Engineering	13650/- +780/- (exam fee per sem.)
3.	Electrical Engineering	13650/- +780/- (exam fee per sem.)

- **ON-LINE REGISTRATION FEE Rs/- 400 FOR FIRST YEAR (EDC) STUDENTS ONLY.**

**SCHOLARSHIPS OFFERED REGULAR COURSES: YEAR 2014-15**

Category	No of Students Benefitted	Amount in Rupees
SC	107	645118/-
ST	125	1497570/-
SEBC	314	1042330/-

**SCHOLARSHIPS OFFERED HIGHER PAYMENT PROGRAMS: 14-15**

Category	No of Students Benefitted	Amount in Rupees
SC	20	579290/-
ST	9	27300/-
SEBC	59	197800/-

**SC FREESHIP CARD NO OF BENFICIARY (HPP) 15-16: 7 STUDENTS.**

- College offers Gold medal to the meritorious students of the branches Civil, Electrical, Mechanical Engineering and Petrochemical Technology. There are total seven Gold medals sponsored by the Eminent Personalities of the Vadodara city.
- Also there are total nine cash prizes awards for the students of Civil, Electrical and Mechanical engineering branches.

**HOSTEL FACILITIES:**

Separate Hostel facility is available for Boys and Girls.

For more details Contact: Mr. Vijay Parmar,

**Chief Warden**  
**Halls of Residency, Nimb Niwas, University Pavilion**  
**Fatehgunj, The Maharaja Sayajirao University of Baroda,**  
**Baroda.**  
**Contact No.- (O) 0265-2793783**

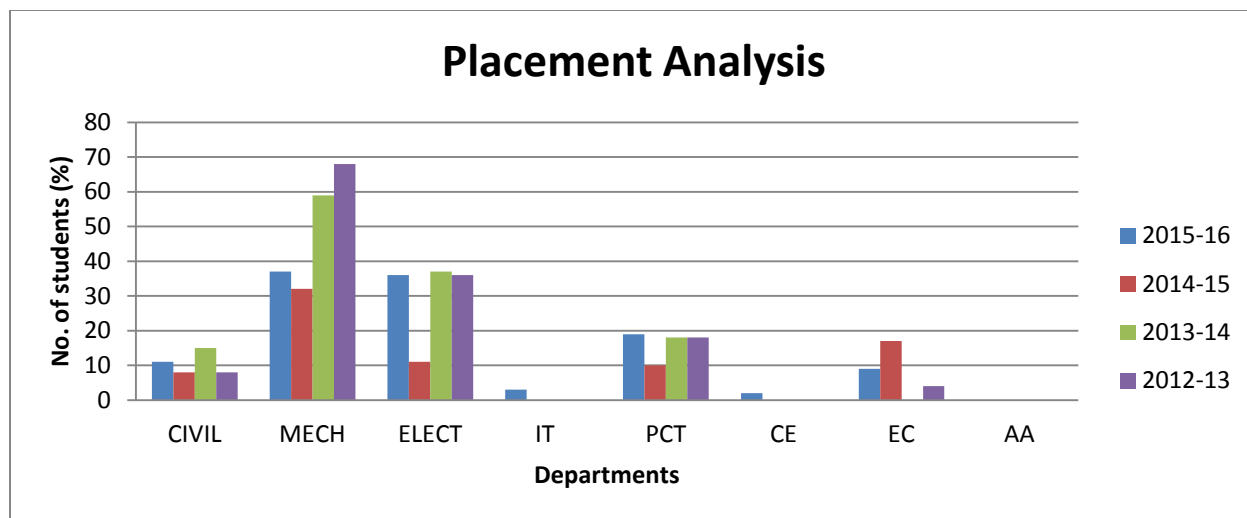
#### **UNIVERSITY HEALTH FACILITY:**

**The University Health center offers general preventive and curative health care.**

#### **UNIVERSITY PAVILION:**

**Pavilion has sports facilities like Volley ball, Basket ball, Badminton, Tennis, Table Tennis and foot-ball, Cricket and a ground for running and exercise.**

#### **PLACEMENT DATA OF LAST FOUR YEARS**



**Cut-Off Marks for admissions in the academic year 2015-16 click the given below link**

[http://www.acpdc.in/first\\_year/closer\\_2015\\_reg.pdf](http://www.acpdc.in/first_year/closer_2015_reg.pdf)