



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 – (i) Drawing & Painting (ii) Architecture and (iii) Photography
- 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 establishment of The Maharaja Sayajirao University of Baroda on 30th April 1949. Thus The Maharaja Sayajirao University took over the charge of Kalabhavan in 1949, which was basically Arts and Crafts School and developed it first into The Polytechnic, and then to the Faculty of Technology and Engineering. Primarily Faculty of Technology & Engineering was offering both the Diploma and the 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 30th 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

The Progress of nation requires that its people should be educated. Knowledge is necessity of man. It instills in him a desire to question and to investigate, which leads him in the path of progress. Education, in the broadest sense, must be spread everywhere. Progress can only be achieved by the spread of education. Cooperation is necessary to achieve any worthy end, end this readiness to cooperate will not be found in a people if they are not educated.

H.H.Sir Sayajirao Gaekwad III
Maharaja of Baroda

MISSION/ OBJECTIVE

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

THE DIPLOMA COURSES OFFERED BY THE POLYTECHNIC

- 1. Civil Engineering (GIA)**
- 2. Mechanical Engineering (GIA)**
- 3. Electrical Engineering (GIA)**
- 4. Petrochemical Technology (GIA)**
- 5. Information Technology (GIA)**
- 6. Electronics and Communication (HPP)**
- 7. Computer Engineering (HPP)**
- 8. Architectural 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 existing. Department offers a six semester full time course of Diploma in Civil Engineering and eight semester course of Diploma in Civil Engineering in Evening hours, which is known as Extended Diploma Course. 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 offers a six semester full time course of Diploma in Electrical Engineering and eight semester course of Diploma in Electrical Engineering in Evening hours, which is known as Extended Diploma Course. Six semester full time course of Diploma in Information Technology was started in the year 2000.

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. Since then the Department is having full fledged labs of Thermal Engineering, Hydraulics & Workshop for manufacturing & Production processes. Department offers a six semester full time course of Diploma in Mechanical Engineering and eight semester course of Diploma in Mechanical Engineering in Evening hours, which is known as Extended Diploma Course.

PECTROCHEMICAL TECHNOLOGY DEPARTMENT

The Department of Petrochemical Technology is academically part and partial of Chemical Engineering Department at Faculty of Technology & Engineering of The Maharaja Sayajirao University of Baroda Under the Indo-USSR agreement. Department started four year diploma in Oil and Gas, Plastics & Fertilizer in the academic year 1969-70. The Petro- Chemical Technology Department was established in 1969-70, is the oldest as well as the most established department, in the state of Gujarat. The department offers six semester three year full time unique Diploma in Petro-chemical Technology course.

HIGHER PAYMENT PROGRAMS

1. Electronics and Communication

In the academic year 2006-2007 Department of Electrical Engineering has started six semester full time course of Diploma in Electronics & Communication on a Self Finance basis. It is defined as Higher Payment Program by the University.

2. Computer Engineering

In the academic year 2006-2007 Department of Electrical Engineering has started six semester full time course of Diploma in Computer Engineering on Self Finance basis. It is defined as Higher Payment Program by the University.

3. Architectural Assistantship.

In the academic year 2009-10 Department of Civil Engineering has started six semester full time course of Diploma in Architectural Assistantship on Self Finance basis. It is defined as Higher Payment Program by the University.

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

TOTAL INTAKE: Branch-wise (After 10th std Pass)

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

ADMISSION ELIGIBILITY CRITERIA: (Reference e-booklet ACPDC) For admission to First semester First Year Diploma

- 1. For admission to FY diploma Civil, Mechanical, Electrical, Petrochemical Technology, Information Technology Electronics and Communication, Computer Engineering and Architectural Assistantship the eligibility is STD 10th pass with**

subjects English, Maths and Science (i) The Gujarat Board; or (ii) The Central Board of Secondary Education Board (CBSE) or the Council of Indian School Certificate Examination, New Delhi or the International School Board or the National Institute of Open Schooling or Sanskrit Pathsala: Provided that,- the school / study centre in which the candidate has studied, should have been located in the State of Gujarat; or (b) the school / study centre in which the candidate has studied, should have been located in the Union Territories of Diu, Daman and Dadra Nagar Haveli and whose parents are origin of Gujarat;

2. A candidate who has studied under Jawaharlal Navodaya Vidyalaya Scheme upto Standard VIII in any of the schools located in the State of Gujarat, thereafter studied in any of the schools located out of the State of Gujarat under the said Scheme shall be eligible for admission. Explanation.- “Jawaharlal Navodaya Vidyalaya Scheme” means the Jawaharlal Navodaya Vidyalaya scheme started during the year 1985-86 by the Government of India in accordance with the National Policy of Education. The scheme is managed by Navodaya Vidyalaya Samiti, an autonomous organisation under the Department of Education, Ministry of Human Resource Development.
3. For the purpose of admission on reserved seats for Certificate Holders-
 - (a) A candidate who has passed the two years certificate course conducted by the Technical Examination Board, as specified by NCVT or GCVT examination from ITI, shall be eligible for admission: Provided that,- (i) the ITI or Technical School/ Institution in which the candidate has studied, should have been located in the Gujarat State; or (ii) the ITI or Technical School/Institution in which the candidate has studied, should have been located in the Union Territories of Diu, Daman and Dadra Nagar Haveli and whose parents are origin of Gujarat, subject to the condition that he shall produce his parents’ domicile certificate; or
 - (b) A candidate who has passed the approved course of ITI of two or more years duration after Std. VIII conducted by NCVT or GCVT and Std. X from the Gujarat Board or Open Schooling with subjects (1) Mathematics, (2) Science (3) Gujarati and (4) English or equivalent examination shall be eligible for admission: Provided that,- (i) the ITI in which the candidate has studied, should have been located in the Gujarat State; or (ii) the ITI in which the candidate has studied, should have been located in the Union Territories of Diu, Daman and Dadra Nagar Haveli and whose parents are origin of Gujarat, subject to the condition that he shall produce his parents’ domicile certificate. (iii) A candidate whose parents are origin of Gujarat and who are residing out of Gujarat State and who have passed the qualifying examination from school located outside Gujarat State from Central Board of Secondary Education or the Council of Indian School Certificate Examination, New Delhi or the National Institute of Open Schooling or the respective State Boards shall be eligible for admission, and his candidature shall be included in the merit list prepared in accordance with the provisions of rule 10, subject to the condition that he shall produce his parents’ domicile certificate.
4. (a) A candidate whose parents are origin of Gujarat and who is living outside India and have passed the qualifying examination from outside India shall be eligible for admission, and his candidature shall be included in the merit list

prepared in accordance with the provisions of rule 10, (ACPDC booklet) subject to the condition that he shall produce equivalence certificate of Association of Indian University, New Delhi and his parents' domicile certificate.

(b) The grade with which he has passed the qualifying examination shall be converted into the Merit Marks by considering the lowest of the marks-range on the basis of which grade is awarded.

5. A candidate whose parents are of Gujarat origin and are serving out of Gujarat in the service of Central Government or other State Government, Armed forces, Boards or Corporations owned or controlled by the Central Government or other State Government or any nationalized bank and who has passed the qualifying examination from the State where parents are serving, shall be eligible for admission and his candidature shall be included in the merit list prepared in accordance with the provisions of rule 10. (ACPDC booklet)
6. A candidate who has passed the qualifying examination from any other State and, -
 - (i) Whose parents are serving in the category of service as shown below; and (ii) who are transferred from other States to Gujarat and have resumed their duties in the place where they are transferred in Gujarat and shall remain so transferred in the State of Gujarat at the time of registration for admission, shall be eligible for admission and his candidature shall be included in the merit list prepared in accordance with the provisions of rule 10 (ACPDC booklet).

Category of Service:-

- (a) Officers or Employees of Central Government; or
- (b) Officers or Employees of Public Sector Undertakings of Central Government or any State Government; or
- (c) Officers or Employees of nationalized banks; or
- (d) Officers or Employees of United Nations, UNICEF, World Health Organization (WHO) and such other International Institutions located in Gujarat State; or
- (e) Gujarat Cadre Officers of Indian Administrative Service, Indian Police Service or Indian Forest Service working in Gujarat or working in other States on deputation; or
- (f) Officers or Employees of Gujarat Government posted outside Gujarat State for administrative reasons.

ADMISSION ELIGIBILITY CRITERIA: FOR EXTENDE DIPLOMA COURSE

1. STD 10th pass with subjects English, Maths, Science from Gujarat Board/ Central Board.
2. Age 18 years or more than 18 years
3. Working in the respective field of Engineering
4. Work place should be in and around 70Km from Vadodara.

TOTAL INTAKE: Branch-wise :

Certificate to Diploma (C2D) : Direct Admission to FS SY Diploma

Sr. No.	Diploma Courses (C2D Pattern)	intake
1.	Civil Engineering (GIA)	36
2.	Mechanical Engineering (GIA)	33
3.	Electrical Engineering (GIA)	30
4.	Petrochemical Technology (GIA)	9
5.	Information Technology (GIA)	6
6.	Electronics & Communication (HPP)	12
7.	Computer Engineering (HPP)	12
8.	Architectural Assistantship (HPP)	12

ADMISSION ELIGIBILITY CRITERIA: (Refer e-booklet ACPDC) For Admission to First semester Second Year Diploma

- For the purpose of admission, a candidate shall have passed the qualifying examination any time before the admission process for the current admission year : Provided that :
 - The ITI or Technical school/institute in which the candidate has studied, should have been located in the State of Gujarat; or
 - The ITI or Technical school/institute in which the candidate has studied, should have been located in the Union Territories of Daman and Diu or Dadra and Nagar Haveli and whose parents are of Gujarat origin:
- The candidate who have passed the qualifying examination from other States shall also be eligible if seats remain vacant after granting admission to the candidates mentioned under sub-rule (1), giving priority to the candidates who are of Gujarat origin.

RESERVATION OF SEATS: For All Diploma Courses

Reservation policies for SC, ST, SEBC, Physically Disabled candidates and children of Defence Personnel and Ex-Servicemen will be as per the Government of Gujarat Norms.

TEACHER-STUDENT RATIO

Teacher Student Ratio: 1:20 as per AICTE norms

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

Sr. No.	Departments	Fees for the academic year 2016-17 in Rupees for Boys (approved by syndicate)
1.	Civil Engineering	6600 +

2.	Mechanical Engineering	6600
3.	Electrical Engineering	6600
4.	Petrochemical Engineering	6600
5.	Information Technology	6600
Sr. No.	Departments	Fees for the academic year 2016-17 in Rupees for Girls and TFWS (approved by syndicate)
1.	Civil Engineering	6400
2.	Mechanical Engineering	6400
3.	Electrical Engineering	6400
4.	Petrochemical Engineering	6400
5.	Information Technology	6400

- **ON-LINE REGISTRATION FEE Rs/- 300 FOR FIRST YEAR (Grant in aid courses) STUDENTS ONLY. (In A.Y. 2017-18)**

FEE STRUCTURE FOR HIGHER PAYMENT PROGRAM

Sr. No.	Departments	Fee Structure for academic year 2016-17 in Rupees For Boys & Girls (Total Fees approved by FRC Technical)
1.	Electronics and Communication	(i)Tution Fees 30000 (ii) Common Fees and Other Fees 11500 i.e Total Fees 41500/-
2.	Computer Engineering	
3.	Architectural Assistantship	

- **ON-LINE REGISTRATION FEE Rs/- 400 FOR FIRST YEAR (HPP) STUDENTS ONLY. (In A.Y. 2016-17)**

EXTENDED DIPLOMA COURSES

Sr. No.	Departments	Fees for the academic year 2016-17 in Rupees
1.	Civil Engineering	13650/-
2.	Mechanical Engineering	13650/-
3.	Electrical Engineering	13650/-

- **ON-LINE REGISTRATION FEE Rs/- 400 FOR FIRST YEAR (EDC) STUDENTS ONLY. (In A.Y. 2016-17)**
- **For All Courses Exam Fees is INR 820 per semester.**
- **Thalessemia Blood testing is made compulsory to each new students taking admission in the University from the academic year 2017 onwards to obtain final eligibity.**

SCHOLARSHIPS OFFERED REGULAR COURSES: YEAR 2015-16

Category	No of Students Benefitted	Amount in Rupees
SC	92	7,35,396/-
ST	85	9,67,444/-
SEBC	328	11,02,550/-

SCHOLARSHIPS OFFERED HIGHER PAYMENT PROGRAMS: Year 15-16

Category	No of Students Benefitted	Amount in Rupees
SC	10	1,96,960/-
ST	9	2,54,440/-
SEBC	62	3,46,200/-

SC FREESHIP CARD scheme Only for Higher Payment Program: NUMBER OF BENFICIARY in Year 15-16: 12 STUDENTS.

- College offers Gold medal to the meritorious students of the branches in Civil, Electrical, Mechanical Engineering and Petrochemical Technology. There are total seven Gold medals in Final Year 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 Boys: 50 Seats, For Girls: 3Seats*)

***If seats are available more students can be accommodated in the Hostel**

For more details Contact: Chief Warden

Halls of Residency, Nimb Niwas, University Pavilion
Fatehgunj, The Maharaja Sayajirao University of Baroda,
Baroda.

Contact No.- (O) 0265-2793783

For Hostel Admission on-line applications are invited on <https://hostels.msubaroda.ac.in>

UNIVERSITY HEALTH FACILITY:

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

UNIVERSITY PAVILION: For OFF campus Sports facilities.

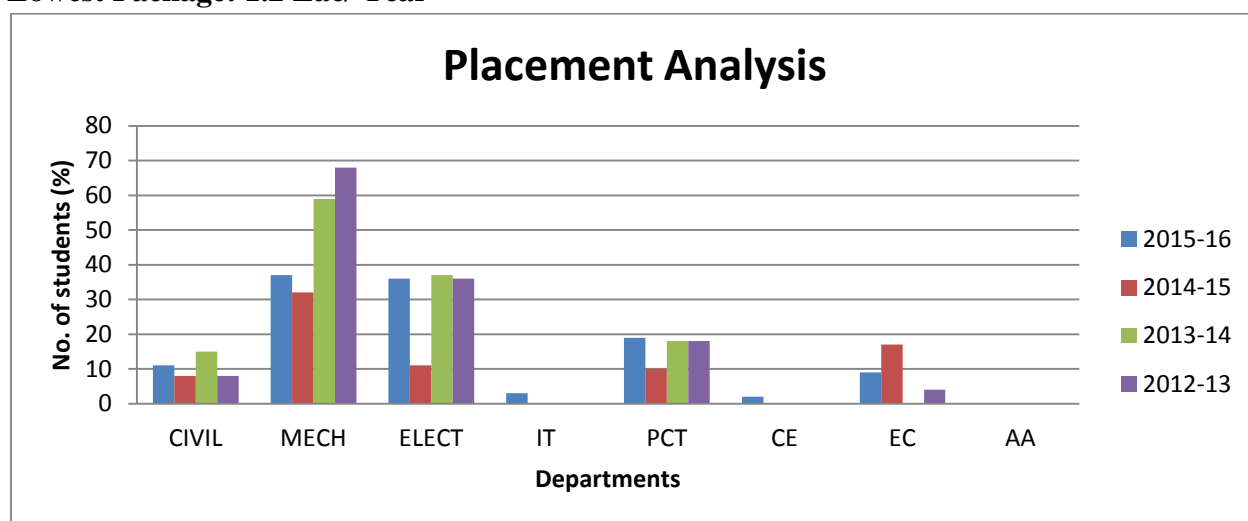
Pavilion has sports facilities like Volley ball, Basket ball, Badminton, Tennis, Table Tennis and foot-ball, Cricket and a ground for running and exercise.

Polytechnic offers Sports facilities like Table tennis, Badminton, Volley ball

PLACEMENT DATA OF LAST FOUR YEARS-

Highest Package:3.4 Lac/Year

Lowest Package: 1.2 Lac/ Year



Cut-Off Marks for admissions in the academic year 2016-17 click the given below link

http://www.acpdc.in/first_year/closer_2016_reg.pdf