

# PRIYADARSHINI COLLEGE OF ENGINEERING

'A' Grade awarded by Govt. of Maharashtra Courses 'Accredited' by NBA  
'Permanent affiliation' by RTM, Nagpur University  
'Accredited' by Tata Consultancy Services for Campus Placement

**Prospectus 2017-2018**



THE HUMAN FOOT IS  
A MASTERPIECE OF  
ENGINEERING  
AND A WORK OF ART



## LTJSS - Committed to excellence in Education

Founded in 1983, LTJSS today runs 28 Educational Institutions and is considered synonymous to 'Excellence in Education'. The Sanstha derives its philosophy from the eminent mathematician, educationist & social reformer Lokmanya Bal Gangadhar Tilak, one of the greatest Indians ever, who gave the magic mantra of 'Swaraj' that inspired India's freedom movement.

LTJSS's approach to education is an uncompromising pursuit towards achieving excellence through human resources, processes and infrastructure to generate peak synergy among academicians, professionals, technocrats and students for the task of nation-building.

### 1. COLLEGE AT A GLANCE:

Year of Establishment	1990
Parent Society	Lokmanya Tilak Jankalyan Shikshan Sanstha, 'Lokmanya Bhavan' Near Water Reservoir, Laxmi Nagar, Nagpur
Name and Address	Priyadarshini College of Engineering, Near CRPF campus, Hingna Road, Nagpur - 440 019
Telephone nos.	(07104) 244179, 244908, 244048, 244381
FAX	07104-244681
Email	principal.pce.ngp@gmail.com
Web site	www.pcenagpur.edu.in
Grade	Grade "A" awarded by the Government of Maharashtra
Status	Self-financed, private, Hindi speaking minority institution
Recognized by	<ul style="list-style-type: none"><li>• All India Council for Technical Education, New Delhi</li><li>• Government of Maharashtra</li></ul>
Affiliation	Permanent affiliation granted by R.T.M. Nagpur University, Nagpur
Accreditation	Accredited by National Board of Accreditation, New Delhi for Mechanical Engineering, Electronics & Telecommunication Engineering, Electrical Engineering (E&P) and Civil Engineering Course for 3 years upto 30-6-2020
Accredited by	Tata Consultancy Services for campus placement
Hostels	Accommodation for boys and girls available
Land area	10.12 acres
Built up space	32894.767 Sq.M.
Air Port	Nagpur (10 k.m.)
Railway Station	Nagpur (15 k.m.)
Bus Stand	0.5 k.m.

## 2. ABOUT PCE

The Priyadarshini College of Engineering, Nagpur, one of the leading Engineering Colleges in the progressive and most competitive State of Maharashtra, established in 1990, has been conferred "A" grade by the Government of Maharashtra on the basis of distinct infrastructure and academic achievements. Mechanical Engineering, Electronics and Telecommunication Engineering, Electrical Engineering, Civil Engineering are accredited by National Board of Accreditation, New Delhi for Three years, upto 30-6-2020 The college successfully continues to attract outstanding scholars from all over the Indian sub-continent. The set up of Priyadarshini campus on a sprawling 72-acres hilly terrain at Nagpur - the orange city, is situated at the heart of the Country. The Unique Features are number of Elegant and spacious buildings, Olympic Standard Swimming Pool, Extensive Indoor Stadium, Modern Gymnasium, Lively Cafeteria, Planned Landscapes with Lush Green Lawns and Fountains, Good Network of beautifully designed Internal Roads, Street Lighting, Jogging Tracks and playgrounds, Parking Areas, Independent Library building, Corporate office, Roadside Arboricultural.

### 2.1 Computing Facilities

The institution has 64 MBPS internet connectivity with fiber optic backbone and provides campus wide networking to over 1191 terminals besides dedicated computer laboratories with specialized software packages like Rational suit, Linux, Fortran-77, Cobol, Pascal, UNIX SCO, Novel NetWare, MATLAB, Simulink, Visual studio, Oracle, VHDL,DB2 etc. Besides this, there is a Central Computer Centre also.

### 2.2 Library

Independent elegant building with excellent reading room enabling hundreds of students to read simultaneously in conducive atmosphere. A well equipped multimedia section with sophisticated computers, scanner, printer and internet connectivity is available for students. Reprographics / Photocopy facility inside the library premises is available. There are over 58851 books worth Rs. 3.34 Crores on 180 specialized subjects, 127 National Journals, 619 online journals and 12919 e-books springer. A special reference section exists separately for higher technical studies besides multimedia packages and Internet access.

### 2.3 Training & Placement Department

The success mantra of the T & P Cell is, it has earmarked better placement curve. Down the journey of years, the placement quotient of the college has been growing to newer dimensions. The prime feature of current placement scenario slightly infected by alarming recession in IT sectors is the T & P Cell could successfully place number of students to various job profiles at varied bands of salary. Many companies have visited PCE for on volatas, sterling & wilson, sevcon India campus drives. The list is exhaustive but few of the eminent companies are Bosch India Pvt. Ltd., eClinical Works, Ypsilon, Edall Systems, Softpark, inTarvo, HCL Slocum, Rigel Designs, etc. There are few more companies which are expected to visit campus for on campus drives in near future. Many opportunities like mock aptitude tests, GDs, TIs have been given to the students to exhibit their talent to analyze their strength and weaknesses. This modality of the cell has groomed students to face challenges in the industry and to lead multifaceted projects.

The department devotes to carry out development of students in 360 degree since their admission in the college. The department is dedicated to place students by assisting resources like Industry Institute

Partnership Cell, Entrepreneurship Development Cell, Alumni Association Cell, Employability Enhancement Cell, Human Excellence Cell, Psychological Counseling Cell and Higher Studies. These various cells are strongly associated to reinforce the profile of Training & Placement Department to the leading edge. The resources exclusively appointed for the all round development of the students are highly qualified having better tags of awards and recognitions. The versatile modules of trainings have been designed by the cell to glorify placement profile of students to make them successful even in cut throat competitions.

The department provides gems of corporate inputs encompassed along with the academics of students. This eventually makes them outshine in Aptitude tests, Group Discussion, Technical & HR interviews. The department is well modernized with AV room, GD Rooms, Conference Hall, etc. Also, it keeps a rhythmic pace with the growing demand of technocrats not only in central India but in every quadrant of India as well as overseas. The cell is confident to elevate the placement curve in coming years as it has become proven by overcoming weaknesses into powers.

#### **2.4 Sports and Recreation**

The sprawling sports complex of PCE has many facilities to boast about. A facility for indoor and outdoor games gives sports not only a recreational status but an activity to be followed diligently. An Olympic standard Swimming Pool, Gymnasium, facilities for football, basketball, cricket, tennis, carom are just a few to name. In addition a huge artificial lagoon is planned in the campus and shall be used for water sports.

#### **2.5 Amenities in the campus**

Tastefully designed, beautiful cafeterias, branded kiosk food with indoor & outdoor sitting arrangements, ultramodern Gymnasium, Stationery outlets are available in campus.

#### **2.6 Hostels**

We have sufficient accommodation facility for boys and girls with all the basic facilities such as furnished rooms, recreation room, internet facility etc. We also ensure safety and security of the wards.

#### **2.7 Transport**

The college has a fleet of buses, which are made available to first year hostel students and girl students of all years from hostels to college and back. Local buses also connect the college campus with the main city destinations.

#### **2.8 In campus Banking Facility**

To cater with the Financial needs of students & Parents college has managed to Establish the Branch of "Allahabd Bank" in the campus with ATM centre \. This helps the students and Parents to meet with theirs Financial helps.

### 3. COURSES OFFERED:

SR. No.	Degree	Name of the Course	Year of starting	DTE Course Code	Duration (Full Time)	Shift	Approved Intake	Approved by
1	B.E.	Computer Technology	1990	412325110	4 Yrs	1 <sup>st</sup> Shift	120	Approved by AICTE, Delhi, Recognized by Govt. of Maharashtra and Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University.
2	B.E.	Electronics Engineering	1990	412337610	4 Yrs	1 <sup>st</sup> Shift	60	
3	B.E.	Mechanical Engineering	1990	412361210	4 Yrs	1 <sup>st</sup> Shift	120	
4	B.E.	Electronics & Telecommunications Engineering	1993	412337210	4 Yrs	1 <sup>st</sup> Shift	120	
5	B.E.	Electrical Engineering (Electronics & Power)	1995	412335610	4 Yrs	1 <sup>st</sup> Shift	120	
6	B.E.	Information Technology	2001	412324610	4 Yrs	1 <sup>st</sup> Shift	60	
7	B.E.	Civil Engineering	2008	412319110	4 Yrs	1 <sup>st</sup> Shift	60	
8	B.E.	Aeronautical Engineering	2009	412300210	4 Yrs	1 <sup>st</sup> Shift	60	
9	B.E.	Mechanical Engineering	2010	412361220	4 Yrs	2 <sup>nd</sup> Shift	60	
10	B.E.	Mechanical Engineering	2010	412361290	4 Yrs (Direct 2 <sup>nd</sup> yr)	2 <sup>nd</sup> Shift	60	
11	B.E.	Electronics & Telecommunications Engineering	2011	412337280	4 Yrs (Direct 2 <sup>nd</sup> yr)	1 <sup>st</sup> Shift	60	
12	M.Tech.	Mechanical Engineering Design	2002	412390410	2 Yrs	1 <sup>st</sup> Shift	25	
13	M.Tech.	Industrial Drives and Control	2006	412329710	2 Yrs	1 <sup>st</sup> Shift	18	
14	M.Tech.	VLSI	2007	412338410	2 Yrs	1 <sup>st</sup> Shift	18	
15	M.Tech.	Communication Engineering	2008	412339510	2 Yrs	1 <sup>st</sup> Shift	18	
16	M.E.	Wireless Communication and Computing	2011	412334210	2 Yrs	1 <sup>st</sup> Shift	18	

## ▶▶ 4. ELIGIBILITY/ADMISSION PROCEDURE

### A) First year & Lateral Entry Admissions:-

Admissions is done as per the rules prescribed by Government of Maharashtra, Higher and Technical Education Department/Admission Regulating Authority, State Common Entrance Test Cell, Mumbai in its information brochure published for the general circulation of the desirous candidates every year.

(As per the Higher and Technical Education Department, Government of Maharashtra, Notification dated 24th April 2017).

### B) Procedure:-

1. In general 80% of the Intake capacity seats are to be filled in by the Government of Maharashtra, State Common Entrance Test Cell, Mumbai through it's Centralized Admission Process (CAP).
2. 20% seats are to be filled in, by the Institute against Institute level quota (and resultant vacancies if any) as per the procedure laid down by Government of Maharashtra State Common Entrance Test Cell, Mumbai in it's brochure. Generally the process to be followed is as given below:-
  - Issue of Advertisement for Institute level/resultant vacancies if any.
  - Interested candidates have to apply in a prescribed form enclosed with the brochure along with all the necessary documents.
  - Scrutiny of admission form and display of provisional merit list on notice board.
  - Display of final merit list and allocation of seats branch wise.
  - Completion of admission formalities by the students.
  - Processing of Admitted student cases with the DTE/State Govt./RTM Nagpur University in due course for obtaining the final approval of these authorities.

**Important Note :** In order to get admission against Institute Level Quota or against CAP Vacancy if any (i.e. seats remained vacant after CAP process), the student needs to comply with the process of :-

- (1) Online Registration of Application for admission;
- (2) Original Documents verification, uploading and confirmation of Application for admission;
- (3) Obtaining Merit Number;

All these steps has been made mandatory by the competent authority, failing to which the candidate cannot be admitted. The entire details are available on the [www.dtemaharashtra.gov.in](http://www.dtemaharashtra.gov.in) website.

Aspiring students and their parents are advised to please study and understand the Government process and in case of any query please feel free to contact institute authorities for any clarification.

### ELIGIBILITY CRITERIA :

(The eligibility criteria may vary as per the directives of Government of Maharashtra State Common Entrance Test Cell and/or Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

**As per the Higher and Technical Education Department, Government of Maharashtra, Notification dated 24th April 2017.**

**Table - 1**

Course	Eligibility conditions and requirements for admissions.
<b>B.E. 1st year</b>	<ul style="list-style-type: none"> <li>i. The Candidate should be an Indian National;</li> <li>ii. Passed the HSC (Std.XII) or its equivalent examination with Physics, Mathematics as compulsory subjects along with one of the Chemistry or Biology or Biotechnology or Technical or Vocational subjects, AND obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together; AND Obtained score in MHT-CET OR JEE Main Paper-1 conducted by the Competent Authority in respective year. <b>OR</b> Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only); <b>OR</b></li> <li>ii. Passed B.Sc. Degree from a Recognized University as defined by UGC and obtained at least 50% marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) and passed 12th standard with Mathematics as a subject;</li> <li>iii. Any other criterion declared by appropriate authority from time to time.</li> </ul>
<b>Direct Admission to 2nd Year</b>	<ul style="list-style-type: none"> <li>i. The Candidate should be an Indian National;</li> <li>ii. Passed Diploma Course in Engineering and Technology with obtained at least 45% marks (at least 40% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in appropriate branch of Engineering and Technology from an All India Council for Technical Education or Central or State Government approved Institution or its equivalent; <b>OR</b></li> <li>ii. Passed B.Sc. Degree from a Recognized University as defined by UGC and obtained at least 45% marks (at least 40% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) and passed HSC with Mathematics as a subject. Provided that students belonging to this category shall clear the subjects of Engineering Graphics / Engineering Drawing and Engineering Mechanics of the First Year Engineering Program along with Second Year subjects.</li> <li>iii. Any other criterion declared by appropriate authority from time to time.</li> </ul>
<b>M.E./M.Tech. 1st year (also please refer table no. 2)</b>	<ul style="list-style-type: none"> <li>i. The Candidate should be an Indian National;</li> <li>ii. Passed Bachelor Degree in the relevant field of Engineering and Technology from All India Council for Technical Education or Central or State Government approved institutions or equivalent, with at least 50% marks (at least 45% marks in case of candidates of Backward class categories and persons with disability belonging to Maharashtra State only);</li> <li>iii. Passed Bachelor Degree in the relevant course of Engineering and Technology as specified in the eligibility criteria for admission to a Post Graduate Degree course of the concerned University for which admission is being sought;</li> <li>iv. Obtained score in Graduates Aptitude Test in Engineering (GATE) conducted by Indian Institute of Technology; OR</li> <li>iv. For sponsored candidates, minimum of two years of full time work experience in a registered firm / company / industry / educational and / or research institute / any Government Department or Government Autonomous Organization in the relevant field in which admission is being sought.</li> <li>v. Any other criterion declared by appropriate authority from time to time.</li> </ul>

**Table - 2**

<b>Course</b>	The candidate should be an Indian National and Obtained a non zero score In the GATE Exam conducted by the competent authority AND should have passed B.E./B.Tech. of Nagpur University or any other statutory university recognized equivalent thereto OR AMIE in
<b>M.E. (Wireless Communication &amp; Computing)</b>	Computer Technology / Computer Science & Engineering / Computer Engineering / Electronics Device Technology (EDT) / Information Technology / MCA with 60%
<b>M.Tech. (Electronics Communication)</b>	Electronics / Electronics Device Technology (EDT) / Electronics and Telecommunication (E & T) / M.Sc. Physics / Electronics and Communication/ Biomedical Engg.
<b>M.Tech. (Industrial Drives &amp; Control)</b>	Electronics & Power / Power Electronics / Electrical Engineering
<b>M.Tech. (Mechanical Engg. Design)</b>	Mechanical / Production / Automobile / Power Engineering / Industrial Engineering
<b>M.Tech. (VLSI)</b>	Electronics / Electronics Device Technology (EDT) / Electronics and Telecommunication (E & T) / M.Sc. Physics / Biomedical Engg.

**TABLE -3 Eligibility Criteria for Credit Based Scheme (III, IV, V, VI, VII, and VIII semester) as per the Rashtrasant Tukadoji Maharaj Nagpur University Direction No. 9 of 2015**

<b>Admission to Semester/ Year</b>	<b>Candidate should have passed in all subject heads of following examination of the university</b>	<b>Status of term work</b>	<b>Candidates should have passed in 2/3rd of total subject heads of the following examination taken together.</b>
I Semester BE	As per eligibility Table-1		
II Semester BE	--	1 Sem. term work should have been completed	--
III Semester BE	--	--	I and II Semester
IV Semester BE	--	III Sem. term work should have been completed	I and II Semester
V Semester BE	I and II Semester	--	III And IV Semester
VI Semester BE	I and II Semester	V Sem. term work should have been completed	III And IV Semester
VII Semester BE	III And IV Semester	--	V And VI Semester
VIII Semester BE	III And IV Semester	VI Sem. term work should have been completed	V And VI Semester





## **PRIYADARSHINI COLLEGE OF ENGINEERING**

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