



# **P.E.S. COLLEGE OF ENGINEERING, MANDYA-571401, Karnataka**

(An Autonomous Institute, Recognised by AICTE New Delhi, Affiliated to VTU, Belagavi)  
Phone: 08232-220043,220120, Extn:213. Fax: 08232-22075

## **Annual Report FOR Academic year 2017-18**

### **1) Institution Basic Information:**

**P.E.S. College of Engineering**, Mandya is one of the pioneer Engineering Colleges in India. Presently it is affiliated to the Visvesvaraya Technological University and is recognized by the All India Council of Technical Education, New Delhi. Previously it is affiliated to the University of Mysore. It is an institution functioning under the grant-in-aid scheme of Government of Karnataka. The College was established in the year 1962 by People's Education Society currently known as People's Education Trust (R), with the help of philanthropic farmers of Mandya District. The sole objective of the college was to promote Technical Education among the students of Rural Areas. The Society was founded by late Sri K.V. Shankaregowda, former Education Minister of Government of Karnataka. He was a person with a missionary zeal and long cherished ambition to promote and disseminate knowledge, serving generally the cause of Education.

### **2) Vision & Mission:**

#### Vision

PESCE shall be a leading institution imparting quality engineering and management education developing creative and socially responsible professionals."

#### Mission

Provide state of the art infrastructure, motivate the faculty to be proficient in their field of specialization and adopt best teaching-learning practices.

Impart engineering and managerial skills through competent and committed faculty using outcome based educational curriculum.

Inculcate professional ethics, leadership qualities and entrepreneurial skills to meet the societal needs.

Promote research, product development and industry-institution interaction.

### **3) Information Regarding Affiliation University:**

Institute Affiliated To: Visvesvaraya Technological University (VTU) Belagavi.

Latest Affiliation Period : 2016-17.

AICTE File No: F.NO.770-53-236(E)/RC/94 dated 31-3-1994

Date and Period of Last Approval 07-04-2015

4) **Information Regarding Academic Autonomy:**

Type of the Institution : Govt.Aided

Category (2) of the Institution : Co-Education

5) **Governance Structure :**

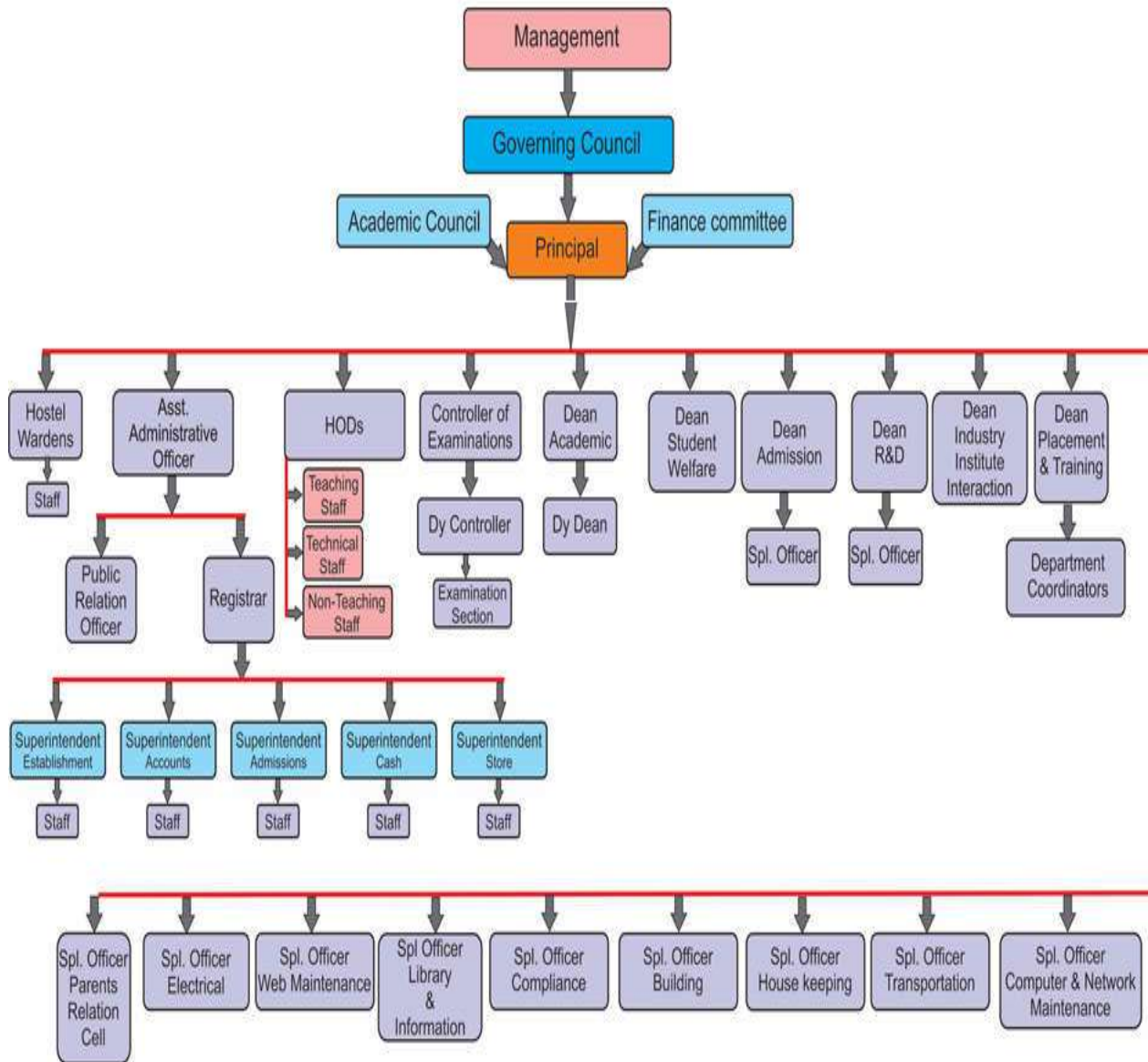
## PESCE -Governing council Members

1.	Dr. H D Chowdaiah, BSc. (Agri) Ex. MLA & Ex. MLC, President, Peoples Education Trust (PET), Mandya	Chairman
2.	Sri. H Honappa, BA, Ex. MLC, Secretary, PET, Mandya	Member
3.	Sri. Basaviah, B.E, LLB, Vice President, PET, Mandya	Member
4.	Sri. S L Shivaprasad, B.E., Trustee PET, Mandya	member
5.	Sri. A M Chandramohan, B.E, Trustee, PET Mandya	Member
6.	Director, Technical Education of Karnataka	Member
7.	Regional officer, AICTE, SWRO, bangalore	Member
8.	Prof. S V Ramaswamy, B.E., M.E	AICTE Nominee
9.	Prof. H V Venkatakrisna, B.E.,M.E.	GOK Nominee
10.	Dr. Krishna Venkatesh, B.E, M.Tech., Ph.D.,	VTU Nominee
11.	Dr. K P Singh	UGC Nominee
12.	Dr. K Narasimha Chary, Professor, I & P Dept.	Staff Representative
13.	Dr. H V Ravindra, B.E., M.Tech., Ph.D., Principal	Ex-officio Sec. GC


# ACADEMIC COUNCIL

<b>External Members</b>	<b>Internal Members</b>
Dr. N V Raghavendra, HoD, Mech. Dept. NIE Mysore	Dr. H V Ravindra, Principal, PES College of Engineering, Mandya.
Dr. K T Veeramanju, HoD, Dept. of E & E Engg., SJCE, Mysuru	All Heads (UG & PG) of the departments
Dr. M T Aravind, CEO, AMPLEBIT, Technologies, Bangalore	Faculty members representing various Departments
Mr. Shyam Kaluve, Director, Cisco Sys., Bangalore	Dr. Nagarathna, Dean (Academic) & Professor in Dept. of CSE, PESCE Mandya
Dr. S K Prasad, Professor, Dept. of Civil Engg. SJCE, Mysore	Dr. D R Umesh, Deputy Dean (Academic) & Professor in Dept. of CSE, PESCE Mandya
<b>VTU Nominated Members</b>	<b>Invitees</b>
Dr. A S Deshpande Principal, Govt. Institute of Technology, Belagavi	<ul style="list-style-type: none"> <li>• Dr. K. Narasimahchary Professor &amp; COE., P.E.S.C.E Mandya.</li> <li>• Prof. B Dinesh Prabhu TEQIP Coordinator</li> <li>• Dr. R Girish (Placement Officer)</li> <li>• Dr. B Shanmukha (MLC Coordinator)</li> <li>• Dr. H S Sheshadri</li> <li>• Dr. A C Kiran Kumar</li> </ul>
Dr. K G Vishwanath Principal, Jain college of Engineering, Belagavi	
Dr. P A Vijaya Professor & HoD, Department of E & C B N M Institute of Technology, Bangalore	


**6) Organization Structure:**



# 7) Academic Calendar: Odd Semester 2017



**P.E.S COLLEGE OF ENGINEERING  
MANDYA – 571401**  
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21-01-2017


**EVENTS IN ACADEMIC CALENDAR (TENTATIVE)**  
(Even Semester of 2016-17)  
II, IV, VI & VIII Sem B.E./IV M.C.A.


Sl. No.	Date	Day	Remarks
1	22-01-17	Monday	Course Registration
2	24-01-17	Tuesday	Commencement of classes
3	02-03-17	Thursday	Submission of Assignment-I
4	09-03-17	Thursday	* Test - I & Quiz - I
5	10-03-17	Friday	* Test - I & Quiz - I
6	11-03-17	Saturday	* Test - I & Quiz - I
7	18-03-17	Saturday	Submission of Test - I & Quiz - I marks to COE Verification of Course Registration forms by Students/Mentors/HCs.
8	20-03-17	Monday	Submission of Application form SEE
9	24-04-17	Monday	Regular classes / Submission of Assignment-II
10	02-05-17	Tuesday	* Test - II & Quiz - II
11	03-05-17	Wednesday	* Test - II & Quiz - II
12	04-05-17	Thursday	* Test - II & Quiz - II
13	11-05-17	Thursday	Regular classes / Submission of Test - II & Quiz - II marks to COE
14	12-05-17	Friday	Regular classes / Makeup Test
15	13-05-17	Saturday	Regular classes / Makeup Test
16	15-05-17	Monday	Posting of Attendance online
17	20-05-17	Saturday	Last working day
18	22-05-2017 To 01-06-2017		Lab Practical Exam - II, IV, VI BE
19	22-05-2017 To 23-05-2017		Project Viva voce - VIII BE
20	29-05-2017 To 01-06-2017		SEE Theory Exam - VIII BE
21	08-06-2017 To 22-06-2017		SEE Theory Exam - II, IV, VI BE and IV MCA

Total number of Even semester working days=81  
06 Days for Test/Quiz =06 days  
Total number of Regular Class workdays (93-10) =83/6 = 14.16 x 4 =56.6 =56classes/sem.


  
**(Dr. V. SRIDHAR)**  
(PRINCIPAL)  
Dr. V. Sridhar M.E., Ph.D.  
Principal  
P.E.S. College of Engineering  
MANDYA,

  
**(Dr. P.S. PUTTASWAMY)**  
(DEAN - ACADEMIC)  
Dr. P.S. Puttaswamy  
Dean (Academic)  
P.E.S.C.E. Mandya 571 401

  
**(Dr. K. NARASIMHA CHARY)**  
(CONTROLLER OF EXAMINATIONS)  
Dr. K. Narasimha Chary, M.Tech., Ph.D.  
Controller of Examinations  
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08-02-2017


**EVENTS IN ACADEMIC CALENDAR (TENTATIVE)**  
(Even Semester of 2016-17)  
II M.Tech/MCA/MBA, IV MBA

Sl. No.	Date	Day	Remarks
1	13-02-2017	Monday	Course Registration
2	14-02-2017	Tuesday	Commencement of classes
3	18-03-2017	Saturday	Submission of Assignment-I
4	20-03-2017	Monday	Submission of Application form SEE
5	23-03-2017	Thursday	* Test - I & Quiz - I
6	24-03-2017	Friday	* Test - I & Quiz - I
7	25-03-2017	Saturday	* Test - I & Quiz - I
8	01-04-2017	Saturday	Submission of Test - I & Quiz - I marks to COE Verification of Course Registration forms by Students/Mentors/HCs.
9	03-05-2017	Wednesday	Regular classes / Submission of Assignment-II
10	08-05-2017	Monday	* Test - II & Quiz - II
11	09-05-2017	Tuesday	* Test - II & Quiz - II
12	10-05-2017	Wednesday	* Test - II & Quiz - II
13	17-05-2017	Wednesday	Regular classes / Submission of Test - II & Quiz - II marks to COE
14	20-05-2017	Saturday	Posting of Attendance online
15	22-05-2017	Monday	Regular classes / Makeup Test
16	23-05-2017	Tuesday	Regular classes / Makeup Test/Posting of CIE Online
17	24-05-2017	Wednesday	Regular classes / Makeup Test
18	27-05-2017	Saturday	Last working day
19	29-05-2017 To 01-06-2017		SEE Practical Exam (Lab Exam)
20	03-06-2017 To 22-06-2017		SEE Theory Exam

Total number of Even semester working days=84  
06 Days for Test/Quiz =06 days  
Total number of Regular Class workdays (84-06) =78/6 = 13 x 4 =52classes/sem.

  
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# Even Semester 2017



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21-01-2017

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(Even Semester of 2016-17)  
II, IV, VI & VIII Sem B.E./IV M.C.A.

Sl. No.	Date	Day	Remarks
1	22-01-17	Monday	Course Registration
2	24-01-17	Tuesday	Commencement of classes
3	02-03-17	Thursday	Submission of Assignment-I
4	09-03-17	Thursday	* Test - I & Quiz - I
5	10-03-17	Friday	* Test - I & Quiz - I
6	11-03-17	Saturday	* Test - I & Quiz - I
7	18-03-17	Saturday	Submission of Test - I & Quiz - I marks to COE Verification of Course Registration forms by Students/Mentors/HCs.
8	20-03-17	Monday	Submission of Application form SEE
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10	02-05-17	Tuesday	* Test - II & Quiz - II
11	03-05-17	Wednesday	* Test - II & Quiz - II
12	04-05-17	Thursday	* Test - II & Quiz - II
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15	13-05-17	Saturday	Regular classes / Makeup Test
16	15-05-17	Monday	Posting of Attendance online
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08-02-2017

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(Even Semester of 2016-17)  
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Sl. No.	Date	Day	Remarks
1	13-02-2017	Monday	Course Registration
2	14-02-2017	Tuesday	Commencement of classes
3	18-03-2017	Saturday	Submission of Assignment-I
4	20-03-2017	Monday	Submission of Application form SEE
5	23-03-2017	Thursday	* Test - I & Quiz - I
6	24-03-2017	Friday	* Test - I & Quiz - I
7	25-03-2017	Saturday	* Test - I & Quiz - I
8	01-04-2017	Saturday	Submission of Test - I & Quiz - I marks to COE Verification of Course Registration forms by Students/Mentors/HCs.
9	03-05-2017	Wednesday	Regular classes / Submission of Assignment-II
10	08-05-2017	Monday	* Test - II & Quiz - II
11	09-05-2017	Tuesday	* Test - II & Quiz - II
12	10-05-2017	Wednesday	* Test - II & Quiz - II
13	17-05-2017	Wednesday	Regular classes / Submission of Test - II & Quiz - II marks to COE
14	20-05-2017	Saturday	Posting of Attendance online
15	22-05-2017	Monday	Regular classes / Makeup Test
16	23-05-2017	Tuesday	Regular classes / Makeup Test/Posting of CIE Online
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Total number of Even semester working days=84  
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Total number of Regular Class workdays (84-06) =78/6 = 13 x 4 =52classes/sem.

  
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## Odd Semester 2018



P.E.S COLLEGE OF ENGINEERING  
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14-07-2017

**EVENTS IN ACADEMIC CALENDAR (TENTATIVE)**  
(ODD SEMESTER OF 2017-18)  
I SEM B.E

Sl. No.	Date	Day	Remarks
1	10-08-2017	Thursday	Orientation Day
2	11-08-2017	Friday	Course Registration
3	12-08-2017	Saturday	Commencement of classes
4	02-09-2017	Saturday	Verification of Course Registration forms by Students/Mentors/HODs
5	09-09-2017	Saturday	Submission of Application form SEE
6	14-09-2017	Thursday	Submission of Assignments-I
7	21-09-2017	Thursday	* Test - I & Quiz - I
8	22-09-2017	Friday	* Test - I & Quiz - I
9	23-09-2017	Saturday	* Test - I & Quiz - I
10	28-09-2017	Thursday	Submission of Test - I & Quiz - I marks to COE
11	30-10-2017	Monday	Regular classes / Submission of Assignment-II
12	09-11-2017	Thursday	* Test - II & Quiz - II
13	10-11-2017	Friday	* Test - II & Quiz - II
14	11-11-2017	Saturday	* Test - II & Quiz - II
15	15-11-2017	Wednesday	Regular classes / Submission of Test - II & Quiz - II marks to COE
16	23-11-2017	Thursday	Regular classes / Makeup Test
17	24-11-2017	Friday	Regular classes / Makeup Test
18	25-11-2017	Saturday	Regular classes / Makeup Test
19	27-11-2017	Monday	Posting of Attendance online
20	28-11-2017	Tuesday	Posting of CIE online
21	29-11-2017	Wednesday	Last working Day
22	30-11-2017 to 09-12-2017		SEE Practical Exam
23	11-12-2017 to 23-12-2017		SEE Theory Exam

Total number of odd semester working days=92  
95 Days for Test/Quiz =95 days  
Total number of Regular Class workdays = 76  
76/8=12.66 weeks \*4 Classes/week = 30.66 classes/semester



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14-07-2017

**EVENTS IN ACADEMIC CALENDAR (TENTATIVE)**  
(ODD SEMESTER OF 2017-18)  
III, V & VII Sem B.E., III & V M.C.A., III M.Tech III MBA

Sl. No.	Date	Day	Remarks
1	24-07-2017	Monday	Course Registration
2	25-07-2017	Tuesday	Commencement of classes
3	2-08-2017	Saturday	Verification of Course Registration forms by Students/Mentors/HODs
4	9-08-2017	Saturday	Submission of Application form SEE
5	14-08-2017	Thursday	Submission of Assignments-I
6	21-08-2017	Thursday	* Test - I & Quiz - I
7	22-08-2017	Friday	* Test - I & Quiz - I
8	23-08-2017	Saturday	* Test - I & Quiz - I
9	28-08-2017	Thursday	Submission of Test - I & Quiz - I marks to COE
10	30-10-2017	Monday	Regular classes / Submission of Assignment-II
11	07-11-2017	Thursday	* Test - II & Quiz - II
12	08-11-2017	Wednesday	* Test - II & Quiz - II
13	09-11-2017	Thursday	* Test - II & Quiz - II
14	15-11-2017	Wednesday	Regular classes / Submission of Test - II & Quiz - II marks to COE
15	16-11-2017	Thursday	Regular classes / Makeup Test
16	17-11-2017	Friday	Regular classes / Makeup Test
17	18-11-2017	Saturday	Regular classes / Makeup Test
18	18-11-2017	Saturday	Posting of Attendance online
19	20-11-2017	Monday	Posting of CIE online
20	23-11-2017	Saturday	Last working Day
21	27-11-2017 to 09-12-2017		SEE Practical Exam
22	11-12-2017 to 23-12-2017		SEE Theory Exam

Total number of odd semester working days=95  
95 Days for Test/Quiz =95 days  
Department Activities=93 Days  
Total number of Regular Class workdays = 87  
(96 - 9)=87/6=14.5 weeks \*4 classes/week/subject=58 classes/subject/semester

### 8) Infrastructure:

The College perhaps has the best campus with state of art teaching facilities and environment for academic pursuit surrounded by lavish greenery on 62 acres land. It has spacious class rooms, well equipped labs and multimedia facilities to encourage students to make academic progression. The central library has around one lakh volumes of books and Journals hard copy: 125, E-Books: 1,12,000, E-Journals: 32,712, digital library, video lectures on advanced topics and numerous on-line subscriptions of International Journals. Each department has a separate building with well-maintained laboratories having latest equipment's which cater to the practical needs of the student. The internet and intranet facilities with Wi-Fi networking encourage one to be explorative. These are more than 3000 students currently receiving quality technical education under the guidance of 205 distinguished faculty members. The qualities, dedication and experience of the faculty are the highlights of this institute, where, 50 faculties holding Ph.D. degree and the remaining 151 are postgraduate degree holders. The average experience of the faculty is around 17 years. The teacher-student

relationship makes the entire atmosphere more conducive for learning with activities such as coaching, guiding, counseling and mentoring. The facilities such as Canteen, Dispensary, Boys & Girls hostels, Bank and Co-operative stores make the stay at PESCE very comfortable.

Sl. No.	Program	Year of Starting	Present Intake
1.	Civil Engineering.	1962	120
2.	Mechanical Engineering	1962	120
3.	Electrical & Electronics Engineering	1962	60
4.	Electronics & Communication Engineering.	1971	120
5.	Automobile Engineering	1980	30
6.	Industrial & Production Engineering	1980	40
7.	Computer Science & Engineering	1983	120
8.	Information Science & Engineering	2000	60
Total Intake			670

### Postgraduate Programs

Sl. No.	Program	Year of Starting	Present Intake
1.	M.Tech. Computer Integrated Manufacturing	1999	18
2.	M.Tech. Machine Design	2013	24
3.	M.Tech. Computer Science & Engineering	2000	18
4.	M.Tech. Computer Engineering	2012	24
5.	M.Tech. CAD of structures	2002	18
6.	Master of Computer Applications	1992	60
7.	Master of Business Administrations	2009	60
8.	M.Tech. VLSI Design & Embedded Systems	2012	24
Total Intake			246

- Student Strength: 670 UG, 246 PG, 134 Research Scholars

Faculty Strength		205	
Ph.D.		50	
M.Tech. /ME/ M.Sc.		151	
B.E./B.Tech.		4	
Faculty & Student Ratio			
Sl. No	Department	Ratio	
		UG	PG
1.	Civil Engineering.	1:15	1:12
2.	Mechanical Engineering	1:15	1:12
3.	Electrical & Electronics Engineering	1:15	--
4.	Electronics & Communication Engineering.	1:15	1:18
5.	Automobile Engineering	1:15	--
6.	Industrial & Production Engineering	1:15	--
7.	Computer Science & Engineering	1:15	1:12
8.	Information Science	1:15	--
9.	Master of Computer Applications	--	1:16
10.	Master of Business Administrations	--	1:15

## **Library and information center**

The institution has a good central library housed adjacent to administrative block. The sections in the library are Circulation, Reference, reading room, Digital library, newspaper and magazine sections. This is provision on for one hundred students can study at a time in the library. Library has good collection which caters the educational needs of users.

The library collection is fully automated and books are bar-coded and classified as per Dewey decimal classification also the book transaction is computerized.

The library has a collection of more than one lakh items including books, journals, magazines, standards, project reports and other materials in the field of technical and management sciences. Also separate digital library is equipped with collection of 2,200 CDs and 24 computers for accessing E-resources.

### Services and facilities

1. OPAC (Online Public Access Catalogue) is created for book searching. 2. IR is created for collecting, preserving, and disseminating digital copies of the intellectual output of an institution like journal article, conference papers, project reports, theses and question papers. 3. Digital library has 24 exclusive nodes connected to different servers hosting connection to a lot of e-resources including e-journals, e-books and other materials. 4. All the subscribed e-journals are made remotely accessible via Knimbus. 5. The reference section is serving the users with special collection like competitive examinations, dictionaries, handbooks, standards etc.
2. 6. Magazine section cum reading room provides peaceful atmosphere to study inside the library. 7. Library is a member to VTU Consortium and availing access to 9 journal databases such as IEEE, Science Direct, Taylor and Francis, Springer, Proquest Management and Technology, ASME, ASCE and Knimbus. 8. Library is a member to NDL and access is provided to the same. 9. Access to SWAYAM is provided.
3. On-Campus Computing Facilities • Separate Multimedia CAED lab for 1st year students.
4. • Campus connectivity using Optical Fiber Networks.
5. • Wi-fi connectivity throughout the campus.
6. • 125 MBPS Internet connectivity
7. • Independent computer centers in all departments.
8. • College website <http://www.pesce.ac.in> and <http://www.pescemandya.org>
9. Centralized Sophisticated Instruments Facilities



10. • VLSI Design lab with CADANCE EDA Tools
11. • Total Station
12. • Atomic Absorption Spectra Photometer
13. • CNC Lathe and CNC Milling Machine
14. • Wire Electric Discharge Machine (WEDM)
15. • Machine Vision Image Processing Lab
16. • Partial Discharge Analyzer
17. • Shielded Chamber
18. • Computerized Wheel aligner
19. • Extrusion Honing machine
20. • Journal Bearing Test Rig
21. • Trust Bearing Test Rig
22. • Advanced Metrology Lab
23. Major Labs    Computer Aided Engineering Drawing Lab    Diagnostic Maintenance Lab  
                   CAD/CAM Lab    High Voltage Testing Laboratory    Internet & Wi-fi Browsing (with 100 MBPS)
24. Computing Laboratories    Networking Laboratory    VLSI Lab    Metrology Laboratory  
                   Tribology Lab    Wind Tunnel Lab

Other Facilities

- Transport Facility
- Reprographics facility in all Departments
- Canteen facility
- Dispensary
- Purified soft Drinking water (RO) with cooler facilities are provided in all departments throughout the campus
- Back up and generator power supply provided to all departments.
- Solar water heaters in all the hostels
- Parking lot for two and four wheelers
- Cooperative Stores for Student benefit
- State Bank of India as campus bank
- State Bank ATM facility
- Smart class rooms
- Air-conditioned auditorium with ICT facility having 400 seating capacity
- Open auditorium having a 1000 seating capacity

International standard Sports Complex.

- PET Cricket Stadium • PET Aquatic Centre • PET Indoor Stadium • PET multi Gym. Centre • Kho-kho court
- Basket Ball Court • Volley Ball court • PET Tennis Court • PET Football/Hockey Stadium • Multipurpose Stadium

## **Hostels Facilities**

**VSVM Boys hostel** –off campus. Situated 1km away from the campus and very close to central bus stand.

Number of rooms: 65 triple occupants and 5 quadruple occupants Number of inmates: 215  
Facilities: Free medical, Library, TV room, solar water heaters, Closed-circuit television (CCTV), separate Mess and bus conveyance to campus.

**PESCE Boys Hostel Situated inside the campus.**

Number of rooms: 89 single, 21 double and 73 triple occupants Number of inmates: 350  
Facilities: Free medical, Library, TV room, Wi-Fi internet connectivity, Play ground and separate mess

**PESCE Girls Hostel Situated inside the campus.** Number of rooms: 67 double and 79 triple occupants Number of inmates: 371  
Facilities: Free Medical, Library, TV room, solar water heaters, Closed-circuit television (CCTV), Wi-Fi internet connectivity, Play ground and separate mess

Co-curricular Activities:

An active student chapter of many professional bodies such as ISTE, IEEE, SAE, IETE, Red Cross Society, GLUG, NEN and CSI is made available for the students to explore their hidden talents.

Introduction to Autonomous System

The affiliating system of colleges was originally designed when their number in a university was small. The university could then effectively oversee the working of the colleges, act as an examining body and award degrees on their behalf. The system has now become unwieldy and it is becoming increasingly difficult for a university to attend to the varied needs of individual colleges. The colleges do not have the freedom to modernize their curricula or make them Industrial oriented.

The exercise of academic freedom by teachers is a crucial requirement for development of the intellectual climate of our country. Raising the quality of higher education is the joint

responsibility of students, teachers and management and it is imperative that they share it equally. The safe and better way to improve the quality of undergraduate and postgraduate education is to delink colleges from the affiliating structure. It is targeted to make 10% of eligible colleges autonomous by the end of the 10th Five Year Plan. Hence, the Education Commission (1964-66) recommended the college autonomy which is the instrument for promoting academic excellence.

Freedom of Autonomous colleges:

An autonomous college will have the freedom to:

- Determine and prescribe its own courses of study and syllabi, restructure and redesign the courses to suit Industry needs.
- Evolve methods of assessment and performance of students, conduct of examinations and notification of results.
- Use modern tools of educational technology to achieve higher standards and greater creativity.
- Promote healthy practices such as community service based projects for the benefit of the society at large.

Role of the Parent University (VTU, Belagavi):

The role of the Parent University is to promote Autonomous System by bringing more autonomous colleges under its fold. The parent university will:

- Promote academic freedom in autonomous colleges by encouraging introduction of innovative academic programs.
- Facilitate new courses of study, subject to the required minimum number of hours of instruction, content and standards.

Permit them to issue their own provisional degree and other essential certificates.

- Ensure that degrees/diplomas/certificates issued indicate the name of the college.

The Academic Council will be solely responsible for all academic matters, such as, framing of academic policy, approval of courses, regulations and syllabi, etc. Dean (Academic) is the Member Secretary of Academic Council. The Council will involve faculty at all levels and also Academic Council consists of panel of experts drawn from academia of highest caliber from outside, including representatives of the university and the state government.

The BOS is the basic constituent of the academic system of an autonomous college. Its functions will include framing the syllabi for various courses, reviewing and updating syllabi from time to time, introducing new courses of study, determining details of continuous assessment, recommending panels of examiners under the semester system, etc.

Award of Degrees through Parent University:

The parent university will award degree to the students evaluated and recommended by autonomous colleges. The degree certificates will be in a common format devised by the university. The name of the college will be mentioned in the degree certificate, if so desired. Autonomous colleges that have completed three terms can confer the degree under their title with the seal of the university.

Autonomous System @ PESCE:

The Education Commission has recommended college autonomy which is the instrument for promoting academic excellence. There are only 10% of the eligible colleges were targeted to make autonomous at the end of 10th Five Year Plan based on this PESCE, Mandya has become autonomous in the year 2008.

Autonomous colleges are free to make use of the expertise of University departments and other institutions to frame their curricula, devise methods of teaching, examination and evaluation. The parent university will accept the methodologies of teaching, examination, evaluation and the course curriculum of its autonomous colleges. It will also help the colleges to develop their academic programmes, improve the faculty and to provide necessary guidance by participating in the deliberations of the different bodies of the colleges.

The Right of Autonomy may not be conferred once and for all. It has to be continuously earned by the college. The status of autonomy will be granted initially for a period of six years. The autonomous college with the approval of its Academic Council will formulate an appropriate mechanism to evaluate its academic performance, improvement of standards, and assess the extent and degree of success in the utilization of autonomy. In addition, there will be two external evaluations, the first after four years and the second after six years. The latter evaluation will determine the continuance or revocation of autonomous status.

The university will review the functioning of autonomy in an autonomous college at the end of the fourth year with the help of a committee constituted for the purpose. This committee may consist of one nominee of the UGC, one nominee of the parent university, one nominee of the State Council for Higher Education and two experts from outside the state to be nominated by the university.

Academic Cell:

The Academic Cell has been formed to supervise the academic affairs headed by the Dean (Academic), Principal and HODs of different departments. The cell regularly collect information related to academic needs, syllabus formation, course coverage, academic scheduling and time table etc. The main profile of the cell is to interact with university, examination cell as well as local governing bodies involved in academic proceedings.

Important activities of the academic cell are as follows:

- Preparing the academic calendar of UG and PG in consultation with COE office.
- Responsibility to constitute the BOS of all the departments, Academic senate and other Academic bodies.
- Responsibility of framing the syllabus time to time and look into the anomalies if any.
- Fixing the credits to various courses in consultation with COE
- To initiate the necessary formalities to introduce any new course required by the department.
- Interact with the COE as and when required to solve any problem related to credit system
- To supervise the academic standards and quality of the curriculum and inform the necessary board to take action if required.
- To interact with the DUGC, if necessary regarding academic issues.
- Getting Approval for Confer Degree to the students from the affiliated university.
- Making arrangements to award certificates to the students at the end of their degree.

#### **9) Department Profile With Infrastructure Facility:**

**A) Automobile Engineering:** The discipline Automobile Engineering was established in the year 1980, and now it has gained expertise and contributing vitally to the Automobile Engineering community. The focus is to consistently pursue in providing innovative and quality training to the talented and dedicated students, to empower them in engineering the development of national economy, specialized in transport sector. We are the pioneers in Karnataka to introduce the Department of Automobile Engineering to impart sound automotive knowledge to the students with a passion towards Automobiles. We take honor in being recognized as a 'research centre' in Karnataka by VTU and Mysore University. In addition to these regular programmes, this department is also actively involved in conducting Faculty Development Programmes, Technical talks, Training programmes and technical visits to various industries & regular industrial trainings for the benefits of students. The department has well qualified and well experienced faculty members to meet the present day curriculum requirements both in theory and practical.

#### **DEPARTMENT BUILDINGS AND LABORATORIES:**

The building consists of Head's chamber, office room/ departmental library room, six class rooms three staff room, laboratory halls, seminar halls, CAD Lab, Ladies rest rom.

SI.NO	Particulars
1	Class rooms (6 nos)
2	Drawing Room
3	Staff Rooms(4 Nos)
4	Seminar Hall
5	Laboratory Halls
6	CAD Lab
7	Office/Dept. Library
8	Ladies rest room

### **LABORATORIES:**

SI.NO	Particulars
1	Engines and Components Lab
2	Diagnosis & Reconditioning Lab
3	Automotive Chassis and Transmission Lab
4	Automotive Electricals and Autotronics Lab
5	Advanced Engine Testing Lab
6	CAD Lab
7	Service Station

### **Laboratory Facilities:**

The department has well-equipped and spacious laboratories. All the laboratories have adequate equipments and demonstration kits, to conduct the practical as per the syllabus. The number of students per batch is 10 and two to three for each experiment. The laboratory experiments are consistent with the theory subjects to improve the fundamental understanding of the concepts and

applications. Laboratories are also provided with required infrastructure facilities to carry out student projects and research activities

**Computing Facilities:** The department has a separate computer center with latest computing facilities (PCs). The laboratory is provided with latest Automobile engineering application software tools to train the students to acquire knowledge in the relevant subjects. The computer center has Local Area Network (LAN) system and internet facility. The students are allowed to use internet facility to achieve academic Excellency and to keep abreast with state of the CAD/CAM Technology.

**Collaboration (Industrial / Institutional):** Most of our student's projects are carried out in various Industries. Students are given opportunity to think about and solve the live problems which are given to them as projects by various industries. The student are guided by external guide in the industrial unit and supported by internal guide at the department level.

### **B) Civil Engineering Department:**

The Civil Engineering Department was started in the year 1962 as one of the first branches in P.E.S. College of Engineering, Mandya with an intake of 40. The department has carved a niche for itself by offering the most competent instructional programs to the students. The department is running an undergraduate programme with an intake of 120 and it has started PG in CAD Structures with an intake of 18 in the year 2006. The department has been recognized as research centre under VTU, Belgaum. The department is accredited by NBA, New Delhi for five years (2004-2009). The department is well equipped with laboratories, computing facilities, independent library and other infrastructure. The department has well qualified and experienced teaching faculties. The department also takes up consultancy work pertaining to planning, structural designs of buildings, testing of materials, soil investigation.

#### Infrastructure/Facilities

The department has good infrastructure with fully equipped laboratories and good ambience class rooms

- Well ventilated spacious classrooms equipped with LCD projectors and black boards.
- Fully equipped and well-established laboratories with latest tools and facilities to carry out student projects and research activities.
- Consultancy cell to cater the technical services in hydraulics, soil mechanics, water and wastewater, concrete, highway materials and surveying
- Waiting room for girls
- Smoke free campus
- Good industry interaction
- Student mentoring system
- Latest teaching equipment's to learn and experience in the latest technology

- Well-equipped seminar hall
- Independent department alumni association
- Spacious & green campus
- Indoor & outdoor sports complex
- Annual departmental technical & cultural carnival
- Appreciation the meritorious students honouring with medals

### **Laboratory Facilities:**

The department has good infrastructure with fully equipped and well-established laboratories and with latest tools. The department is well equipped with laboratories like Basic materials testing Lab, Fluid Mechanics Lab. Concrete and Highway material testing Lab, CAD Lab, Geo-Technical Engineering Lab, Environmental Engineering Lab, Wind Engineering Lab and Applied Engineering geology lab and Computer Aided Design lab. Laboratories are also provided with required infrastructure facilities to carry out student projects and research activities. The laboratories assist the consultancy cell to cater the technical services in hydraulics, soil mechanics, foundation, environmental engineering, concrete and highway materials and surveying.

### **Major Equipment's:**

Universal Testing Machine(1000KN and 200 KN)  
 Compression Testing Machine(2000KN)  
 Concrete mixer  
 Wind Tunnel  
 Standard penetration test setup  
 Spector-photo meter  
 Los-Angeles testing machine  
 Total station

### **C) Computer Science & Engineering**

The Computer Science and Engineering (CSE) program was started in the year 1984. The main focus of the department is to produce graduates & post graduates with strong fundamentals in Computer Science and Engineering domain. The course is an outcome based structured to help students to achieve this goal. The course was accredited by National Board of Accreditation (NBA). The Rank holders from Common Entrance Test and other aspirants prefer this program.

The department has a total of 32 teaching faculty members with various specializations, out of which 5 are PhD holders and 10 are pursuing Ph.D. Faculties in the department have outstanding teaching experience. The department has maintained a student staff ratio of 15:1, has excellent infrastructure with state of the art equipment and software tools. It is having computer center with over 200 computers catering to student needs. The department has a strong R & D culture.

Our department has an outstanding placement statistics and our students have been placed in leading IT companies like INFOSYS, TCS, COGNIZANT, ORACLE, and many more. The



department has the Memorandum of Understanding (MoU) with software companies like Global Edge, Tata ELEXI, K2 solutions, EMC2 and also Infosys Campus connect programme.

### Facilities available:

Department has enough 6 UG class rooms and 3 PG class rooms with all of them equipped with projectors. There are eight well equipped laboratories.

### Laboratory

Presently the department has Eight different laboratories, viz. Digital electronics Lab, seven software labs with UPS and special furniture for computer users. Each lab has been designed to accommodate 15 students per session and has been equipped with the state of the art computer systems, consisting of a total of about 200 Pentium Computers, with all necessary peripherals. A PESCE wide Intranet facility, based on a 2 GB ps fibre optic cable backbone has been installed. Several of these terminals are also provided with access to the Internet, for the benefit of both the staff and students of the Department of Computer Science & Engineering. There is also a campus wide Wi-Fi facility available.

### Details of the computers available in the Department Laboratory:

SI No.	Name of the Laboratory	Configuration of the systems	Number of Systems	Purpose of the laboratory (Conduction of following laboratories)
1	Software lab-1A	HP Compaq 6000 Pro SSF PC Intel Core 2 Duo CPU @ 3 GHz, 4GB RAM, 300GB HDD, RW DVD, LCD Monitor  HP Compaq 6000 Pro MT PC Intel Core2 Duo @3 GHz, 4GB RAM, 300GB HDD LCD Monitor, Mouse  HP : Intel Pentium Core 2 Duo @5GHz, 1GB RAM, 160GB HDD, DVD/CD- ROM LCD Monitor	11 3 4	Computer Programming Lab. Data Structures Lab. Analysis and Design of Algorithms Lab Object oriented programming with C++ Lab DBMS Lab Computer Graphics Lab. System Software Lab. Networks Lab. Web Programming Lab. Operating System Lab
2	Software lab-1B	HP Compaq 6000 Pro SSF PC Intel Core Duo CPU @ 3 GHz, 4GB RAM,300GB HDD, RW DVD, LCD Monitor	12	--do--
3	Software lab-2	HP : Intel Pentium Core 2 Duo @ 2.5GHz, 1GB RAM, 160GB HDD, DVD/CD-ROM LCD Monitor	19	--do-- 11. Microprocessor Lab.
4	Software lab-3	ACER : Intel Pentium Dual Core CPU, @ 1.60GHz, 1GB RAM, 160GB HDD, DVD/CD-	17	--do--

		ROM Drive, LCD Monitor  DHP Compaq 6000 Pro MT Intel Core2 Duo @3 GHz, 4GB RAM, 300GB HDD LCD Monitor, Mouse	01	
5	Software lab-4	HP system, Intel Pentium i3, @.3GHz, 500GB HDD,3GB RAM, RW CDROM drive, LCD monitor	18	--do--
6	(M.Tech. Lab.)(CS & E)(Software lab-5)	HP Compaq 6000 Pro MT PC,Intel Core 2 Duo CPU @ 3 GHz, 4GB RAM, 300GB HDD, RW DVD, LCD Monitor	14	--do--
7	M.Tech. Lab.(CE)(Software lab-6)	HP Compaq 6000 Pro MT PC,Intel Core 2 Duo CPU @ 3 GHz, 4GB RAM, 300GB HDD, RW DVD, LCD Monitor	16	All applications of M.Tech. course
8	Analog & Digital Electronics Lab.	HP Pro 3330MT, Intel Core i5 CPU @3.20GHz, 4GB RAM, 500GB HDD, RW DVD, LCD Monitor	13	Digital Logic Design Lab. Computer Prog. Lab. Data Structures Lab. Analysis and Design of Algorithms Lab Object oriented programming with C++ Lab Computer Graphics Lab. System Software Lab. Networks Lab. Web Programming Lab. Operating System Lab
9	Int Lab.	HP Pro 3330MT, Intel Core i5 CPU @3.20GHz, 4GB RAM, 500GB HDD, RW DVD, LCD Monitor	16	--do--
10	Cloud lab.	HP Pro 3330MT, Intel Core i5 CPU @3.20GHz, 4GB RAM, 500GB HDD, RW DVD, LCD Monitor	18	--do--
11	Server Room	IBM Blade Server  HP Compaq 6000 Pro SSF PC Intel Core 2 Duo CPU @ 3 GHz, 4GB RAM, 300GB HDD, RW DVD, LCD Monitor  HP Pro 3330MT, Intel Core i5 CPU @3.20GHz,	01 02 02	

		4GB RAM, 500GB HDD, RW DVD, LCD Monitor		
11	Staff Rooms	ACER : Intel Pentium Dual Core CPU, @ 1.60GHz, 1GB RAM, 160GB HDD, DVD/CD-ROM Drive, LCD Monitor  HP : Intel Pentium Core 2 Duo @ 2.5GHz, 1GB RAM, 160GB HDD, DVD/CD-ROM LCD Monitor.	10 13	--do--
12	Class Rooms	HP Compaq P-IV, @.3GHz, @533MHz , 248MB DDR RAM, 40GB HDD, CDROM drive, 17" CRT Color monitor & Mouse	10	--do--
Total of computers			192	

**Number of systems in the department with its configuration:**

SI No.	Configuration of the systems	Total Number of Systems
1	HP Pro 3330MT, Intel Core i5 CPU @3.20GHz, 4GB RAM, 500GB HDD, RW DVD, LCD Monitor	49
2	HP : Intel Pentium i3, @.3GHz, 500GB HDD,3GB RAM, RW CDROM drive, LCD monitor, and Optical Mouse	18
3	HP : Intel Pentium Core 2 Duo @ 2.5GHz, 1GB RAM, 160GB HDD, DVD/CD-ROM LCD Monitor L-2	44
4	ACER : Intel Pentium Dual Core CPU, @ 1.60GHz, 1GB RAM, 160GB HDD, DVD/CD-ROM Drive, LCD Monitor	20
5	HP Compaq 6000 Pro SSF PC Intel Core2 Duo CPU @ 3 GHz, 4GB RAM, 300GB HDD, RW DVD, LCD Monitor	46
6	HP Compaq 6000 Pro MT PC Intel Core2 Duo @3 GHz, 4GB RAM, 300GB HDD LCD Monitor, Mouse	05
7	HP Compaq P-IV, @.3GHz, @533MHz , 248MB DDR RAM, 40GB HDD, CDROM drive, 17" CRT Color monitor & Mouse	10
Total		192

**Summary of systems and equipments available in the Department Laboratories  
(Purchased under QEIP):**

SI No.	Equipment	Quantity
1	IBM Blade Server : IBM 300GB x3 ADD, 8GB RAM ACER monitor, Raid controller module	49
2	Analog Multimeter	18
3	Digital Multimeter	44
4	Digital Oscilloscope (30MHz)	20
5	Function generator	46
6	Analog & Digital IC tester	05
7	Digital IC trainer kit	10
8	Patch card	220
9	Regulated power supply	06
10	Konica Minolta make Xerox machine/Printer/Scanner	01

**List of Software available in the department**

SI No.	Software Details
1	Borland Turbo C++ Suite
2	Visual Studio Developing for the Enterprise : Microsoft Backoffice server Ver4.5 8 CDs Getting started setup guide for visual studio 6.0 Microsoft Visual studio 6.0 resources Microsoft Visual Studio Version 6.0 Enterprise edition Microsoft Backoffice server ver 4.5 Microsoft Visual Studio Ver 6.0 plus pack
3	Microsoft MSDN Library
4	Microsoft Office XP Version 2002
5	Microsoft Visual Studio Dot Net
6	Novell Netware Version 5.0 (50 Users) : Novell Netware Ver 5.0 Network software (Overview & Installation) Novell Netware Ver 5.0 Network software (Quick starts) Novell Netware Ver 5.0 Network software (Oracle8 for Netware)

	Novell Netware Ver 5.0 Network software (Online documentation) Novell Netware Ver 5.0 Network software (Operating System)
7	Oracle 8i Release 8.1.5 for MS Windows NT Oracle WebDB Ver 2.0.5 for Windows NT 4.0 Oracle Enterprise Manager Ver 2.0.4 Win-NT
8	Microsoft Office 2000 Professional
9	Borland Turbo Assembler (TASM)
10	Java Complete Set
11	Microsoft Windows Server CAL 2012 Sngl Academic OPEN 1 License No. Level Device CAL Device CAL
12	Microsoft Windows Server STANDARD 2012 r2 Sngl Academic OPEN 1 License No. Level 2 PROC
13	Microsoft SQL Server Standard Core 2014 Sngl Academic
14	Microsoft Visual Studio Professional 2013
15	Microsoft Office 2013 Academic
16	IBM Blade Server: (Intel Xeon® CPU E5-2620 @2.00GHz, 8GB RAM, 500GBx4 SCSI HDD, 64 Bit OS)
17	Cloud Server : StorVault Special purpose server with Intel chipset based , Intel dual processor, server motherboard, 2 x intel Xeon quad core processor, 16GB RAM, 2x500GB Boot drives, Add on 1xPCI Express to 4Gbps FC HBA, Redundant power supply. StorVault unified storage system with dual controller, 2 x GbE ports 1 x 4Gbps FC ports per controller with 2TB raw capacity, Optimized OS license to support NFS, CIFS, ISCSI, RPS with rackmount

#### **Facilities for Students:**

- IEEE & IETE Students Chapter for Technical activities
- Financial assistance for Projects, Paper Presentations and Research
- Well Stocked Departmental Library
- Internet Facility for Browsing Technical Journals.
- Hard copies of Online Journals
- Sponsorship from Various Organizations for projects

#### **Facilities for Faculties:**

- Computer in each faculty room.
- Well Stocked Departmental Library.
- Internet Facility for Browsing technical Journals.
- Hard copies of Online Journals

#### **D) Electronics and Communication Departments:**

The department of Electronics and Communication Engineering was incepted in the year 1967 with an undergraduate program in Electronics and Communication Engineering. Initially program had an intake of 60 students and presently 150 students graduate every year. The long journey of 50 years has seen satisfactory contributions to the society, nation and world. The alumni of this department has strong global presence making their alma mater proud in every sector they represent.

Department has started its PG program in the year 2012 in the specialization of VLSI design and Embedded systems. Equipped with qualified and dedicated faculty department has focus on VLSI design, Embedded systems and Image processing. The quality of teaching and training has yielded high growth rate of placement at various organizations. Large number of candidates pursuing research programs (M.Sc/Ph D) is a true testimonial to the research potential of the department.

### **DEPARTMENT BUILDINGS AND LABORATORIES:**

The building consists of Head's chamber, office room, seven class rooms, ten staff rooms, six laboratory halls, self- learning room, project room, ladies waiting room, 250 seater seminar hall and departmental library.

**The total building space is 1422 square meters.**

Ground Floor	:	904.74 SqMts
First Floor	:	760.72 SqMts
Second Floor	:	760.72 SqMts
Total	:	2426.18 SqMts

**The various laboratories in the department are as follows:**

1	FET and Op-Amps	:	III / IV Sem
2	Digital Circuits Design / Microcontroller Laboratory	:	III/ IV Sem
3	Digital Signal Processing / Verilog HDL Laboratory / Digital design using verilog HDL	:	V Sem / VI Sem / IV Sem
4	Optical and Analog Communication / Digital communication & Microwave Laboratory	:	V Sem / VI Sem
5	Analog and Digital VLSI Laboratory	:	VII Sem
6	Computer Communication and Protocol Laboratory	:	:VII Sem
7	Center of Excellence in Medical Imaging and VLSI Laboratory	:	

**Utilities:**

1	Faculty space	328.184 SqMts
2	Laboratory Space	604.405 SqMts
3	Students Space	496.33 SqMts
4	Experiential Learning Space	290.612 SqMts
5	Office Space	22.42 SqMts
6	Dept. Library Space	62 SqMts
Total		1803.951 SqMts

Total number of Computers: 170 Nos.

**Application software for laboratories:**

- B2 SPICE : Code and development Electronics Ltd. Bangalore
- Cadence Tool : Cadence
- Xilinx V14.3 : Coreel Technologies, Bangalore
- MatLab R2015a
- Vivado

**Major equipments :**

- Spectrum Analyser
- Light runner
- Wicom T
- LAN-T
- Medical imaging analysis Systems
- Special oscilloscopes
- Logic Analyser

**E) Department of Electrical & Electronics Engineering**

The Department of Electrical and Electronics Engineering was established right from the inception of the institute in the year 1962. The various programs offered by the Department are B.E., M.Sc., (Engg.) by research and research leading Ph.D affiliated to Visvesvaraya Technological University (VTU), Belgavi. Also, Department is affiliated for Ph.D program with University of Mysore, Mysore and Kuvempu University, Shimoga. About 100 research papers have been published by the Department faculty members in various International & National journals and conferences.

The Department emphasizes towards imparting quality education, rigorous teaching-learning, hands-on expertise and helping students to shape their all-round personality. The Department with its strong pool of faculty, well-developed laboratories, latest software and hardware facilities, contributes to develop life-long learning skills to its students and producing worthy researchers by offering doctoral research program.

The academic programs are designed and updated keeping in view the constantly changing industrial needs, skills and challenges emerging out of new research. The academic programs are well received by the industry and academia. The department has always exerted the best of its effort to meet the objectives of achieving technical excellence in the areas of Electrical and Electronics Engineering such as High Voltage Engineering, Power Electronics & Drives, Control Systems, Power Systems, Energy Systems, Analog and Digital Electronics, Signal Processing, PLC & SCADA and Microcontrollers

The Department regularly organizes industrial visits, Technical lectures by experts from industries and institutes in contemporary areas to bridge the gap between syllabi and current developments.

### Physical Infrastructure

SI no	No. of Class Rooms
1	03

### LABORATORIES AND WORKSHOPS:

SI no	Laboratory
1	Machines Lab
2	Analog and Digital Electronics Lab
3	Measurement and Circuits Lab
4	Control systems and Simulation Lab
5	Power System Lab
6	Power Electronics Lab
7	Microcontrollers Lab
8	Relay Lab
9	High Voltage Lab



10	Electrical Drives Lab
11	Computer Centre
12	High Voltage Insulation Lab for more details <a href="#">Click Here</a>

## **OTHER FACILITIES**

Sl no	Laboratory
1	Seminar hall
2	Departmental Library

### **6) Department of Industrial & Production Engineering:**

The Department of Industrial & Production Engineering was started during the year 1982 with a mission to produce the students of good management skill to cater the need of the advanced and globalised market which demand quality management people.

### ***LABORATORY FACILITIES:***

Class Rooms	3 Nos.
Laboratories	3 Nos.
Computer Centre	2 No.
Ladies Room	1 No.
Library	1 No.

### ***LABORATORY FACILITIES:***

The department laboratories are all well equipped with sophisticated and advanced instruments, through which student is being trained with modernized experimental setups. With the assistance of MHRD funds the laboratories have been Modernized with state of the art equipments. The laboratories are considered best among the number of institutions in Karnataka State. The laboratories are:

Metrology & Metallographic lab

- Industrial Engineering and Ergonomics Lab

- Computer Centre (Software Application / CAD/CAM/CAE/ CIM)

### ***Major Equipment in the laboratories***

SL.NO	Name of Equipment / Instrument	Year
1	Profile projector	1984
2	Tool makers microscope	1984
3	Autocollimator	1984
4	Roundness measuring machine	1988
5	Metallurgical Microscope	1990
6	Height master	2001
7	ECG/TMT Machine	2007
8	EMG/NCV Machine	2007
9	Ambulatory ECG Recorder	2007
10	LCD Projector	2010-11
11	Surface Roughness Tester	2013
12	Ultrasonic Flaw Detector	2014
13	Video measuring machine	2015
14	Video Camera	2015
15	Solidworks Software	2015
16	Mastercam-2017	2016

### ***Teaching / Learning aid Facilities***

The teaching / learning methods which are being used here are simply exemplary. The students are exposed to modern learning techniques. To name a few are;

1. LCD Projector
2. Overhead Projector
3. Slide Projector

4. TV and VCR
5. Audio System
6. Educational Films and Video Cassettes
7. Educational software like SolidWorks 2015, Design CAD, Quality Control Software, Mastercam 2017 etc.

#### **F) Dept. Of Information Science & Engineering**

Information science is an interdisciplinary field primarily concerned with the analysis, collection, classification, manipulation, storage, retrieval, movement, dissemination, and protection of information. Information science is one of the important branches of PESCE, Mandya. The Department of Information science and Engineering takes pride in producing quality engineers over the past 19 years. The credit for all the flowery results goes to the highly motivating staff, from which all students draw inspiration.

The Department was started in the year 2000. The present intake of the undergraduate program is 60. The strength of an IS major lies in his/her ability to apply the knowledge of information systems and technology to help organizations compete more successfully in the marketplace or to streamline current operations. The focus of the department is to provide students with in-depth knowledge in the field of computer and information technology through the following two academic programs. This undergraduate curriculum emphasizes on theoretical and practical aspects of information science. The curriculum is designed to meet industry standard and cope with the fast changing technology. Extension lectures and industrial visits are organized frequently to provide an overview on recent and current trends of information technology. Apart from curriculum, the students are encouraged to participate in research projects, technical events, cultural activities and sports. The department has a strong coverage of alumni network to support curriculum development and career guidance for ongoing student batches. Our department faculty remains a constant source of inspiration to students in order to achieve outstanding results and excellent placement records.

#### **Physical Infrastructure**

Sl. No.	Facilities	Nos
1	No. of Class Rooms	04
2	No. of Staff Rooms	05
3	No. of Labs	04
4	Research Lab	01
5	Department Library	01
6	Wifi Facility	Dept
7	Seminar Hall	01
8	Ladies Rest room	01

## *Lab Facilities available in the Department*

Sl. No.	Name of the Lab	Facilities
1	Software lab / Digital Electronics lab	<p><b><u>System Specification:</u></b>                      HP – Pro 3330MT, Processor : Intel(R) core (TM) i3 , 3240 CPU@ 3.40 GHZ                      RAM : 4 GB, 32 bit O.S, Operating System : Windows 7 Professional</p> <p><b><u>Server Specification:</u></b>                      Windows 2012 Server , Linux Server (Red Hot) Rack Mounted High End , Digital IC Trainer Kits</p> <p><b><u>Software Available :</u></b> QualNet Software Licensed Ver. 7.3 with 10 Users Permission.                      C, C++, XLinux, Eclipse with Android Sdk , N/W Simulator, Visual Studio.</p> <p><b><u>Labs Conducted:</u></b> D.D. Lab, MAD Lab, N/W Lab, C#.Net lab, Project work (for B.E.)</p>
2	Software lab-I	<p><b><u>System Specification:</u></b>  <b>HP :</b> Pro 3330MT, Processor : Intel(R) core (TM) i3 , 3240 CPU@ 3.40 GHZ                      RAM : 4 GB, 32 bit O.S, Operating System : Windows 7 Professional</p> <p><b><u>Acer Systems :</u></b> Intel Dual Core Pentium – D 620 @2.8 GHZ (800 MHZ Fs8), Intel 945 Chipset Mother Board,                      RAM; 1GB DDR2RAM, 80 GB SATA HDD, 17"CRT Color Monitor Windows XP O.S.</p> <p><b><u>Software Available :</u></b> C, C++, My Sql, Visual Studio, NetBeans 8.02 ver, JDK</p> <p><b><u>Labs Conducted:</u></b> DBMS Lab, Web Prog. Lab, OOP's Lab, C# &amp; .Net Lab, Project Work (for B.E.)</p>
3	Software lab-II	<p><b><u>System Specification:</u></b>  <b>HP –</b> Pro 3330MT, Processor : Intel(R) core (TM) i3 , 4160 CPU@ 3.60 GHZ                      RAM : 4 GB, 64 bit O.S, X64 Based Processor, Operating System : Windows 8.1 Professional</p> <p><b><u>Software Available :</u></b> C, C++, E-Box</p> <p><b><u>Labs Conducted :</u></b> D.S. Lab , ADA Lab, IOT Lab , OOP's Lab</p>
4	Research lab	<p><b><u>System Specification:</u></b>  <b>HP –</b> Pro 3330MT, Processor : Intel(R) core (TM) i3 , 3240 CPU@ 3.40 GHZ                      RAM : 4 GB, 32 bit O.S, Operating System : Windows 7 Professional, MatLab</p> <p><b><u>Labs Conducted :</u></b> Research Work carried out by PhD/B.E/M.Tech Students</p>
5	Microprocessor Lab	<p><b><u>System Specification:</u></b>  <b>HP –</b> Pro 3330MT, Processor : Intel(R) core (TM) i3 , 3240 CPU@ 3.40 GHZ                      RAM : 4 GB, 32 bit O.S, Operating System : Windows Xp Professional</p> <p><b><u>Software Available :</u></b> C, C++, MASM , Fedora</p> <p><b><u>Labs Conducted :</u></b> Microprocessor Lab, SS Lab</p>

## *Equipment's Details*

Sl. No.	Equipment Name
1	HP INTEL (SERVER) Pentium IV-ML110
2	<p><b>1U Rack Mount Server (Linux)</b>                      Intel® Xeon® E5-2403 Processor (1.8GHz/4-core/10MB/80W, HT) 10MB (1x10MB) Level3 Cache Memory 16GB Un-buffered DIMMs PC3-12800E (1600MHz) Memory</p>

Sl. No.	Equipment Name
3	IBM SERVER
4	HP COMPAQ-EVO D220 Pentium -V (20 Nos)
5	Acer DX6120-Pentium - IV (12 Nos)
6	HP COMPAQ D290 Pentium-V (20 nos)
7	Multimedia Projector
8	3KVA UPS with EXIDE batteries
9	5KVA UPS with 10 EXIDE batteries
10	Xerox Mechine
11	LAPTOP 2470 A-740
12	Air Conditioner
13	ACER (05 Nos)
14	UPS 5 KVA (02 Nos)
15	Laptop (03 Nos)

### **G) Department of Mechanical Engineering**

The Mechanical Engineering Department has carved a niche for itself by offering the most competent instructional program to under graduate students leading to B.E (Mech) Degree. The Department is one of the first three that started functioning in 1962; the faculties are all well qualified and experienced. The Department is offering M.Tech, programme in Computer integrated manufacturing (CIM) from the academic year 1999-2000. The Department is offering M.Tech, programme in Machine Design from the academic year 2013-2014.

The department has good infrastructure with well-established and spacious classrooms. The department laboratories are well equipped with sophisticated and advanced tools/instruments.

## ***Laboratories and Workshops***

- Computer Aided Engineering Drawing (CAED) Lab
- CAD/CAM and Computer Aided Modelling and Analysis (CAMA) Lab
- Fitting and Welding Shop
- Foundry & Forging Shop
- Machine Shop
- Heat Transfer Lab
- I C Engine Lab
- Dynamics Lab
- Material Testing Lab
- Metrology and Measurements Lab
- Fluid Mechanics and Machinery Lab

<b>Sl. No</b>	<b>Name of the Laboratory</b>	<b>Details of the Major Equipments</b>
1	Computer Aided Engineering Drawing (CAED) Lab	HP 280 G2 MT, Intel(R) Core(TM) i3-6100 CPU @ 3.70GHz CPU, 4 GB RAM, 1 TB HDD,LCD Monitor- 73 Nos.
2	CAD/CAM and Computer Aided Modelling and Analysis (CAMA) Lab	Intel (R) Core 2 Duo CPU E7500, 4 GB RAM, 300 HDD, HPv185e 15" LCD Monitors- 25 Nos. Intel (R) Core i3-3240 CPU, 4 GB RAM, 500 HDD, HPLV1911 15" LCD Monitors- 35 Nos.
3	Fitting and Welding Shop	Power hacksaw machine, Arc welding machine, Fitting tools, Taps, Soldering equipments, Bench vices, Stakes,.
4	Foundry and Forging Shop	Power hammer, High Pressure blower, Smithy hearths, Anvils, Sand mould press, Sieve shaker, Oil and Cupola furnaces, Moulding boxes, Clay washer.
5	Machine Shop	CNC milling Machine, Harihar D1 lathes, All geared head stock lathes, Horizontal and vertical milling machines, Shaping Machines, Drilling Machines, Grinding machines.
6	Heat Transfer Lab	Refrigeration test rig, Pin fins apparatus, Emissivity apparatus, Composite wall apparatus, Thermal Conductivity setup (liquid, solid, insulating powder), Free and forced convection setup, Stefan-Boltzmann apparatus, Drop wise and Film wise apparatus, Parallel flow and counter flow heat exchangers.
7	I C Engine Lab	Computerised single cylinder diesel engine, Four stroke single cylinder diesel engine test rig, Four stroke single cylinder petrol engine test rig, Ruston horizontal and vertical engine, Two stroke petrol engine, Flash and fire point apparatus (Abel Pensky and Martin/ Cleveland

Sl. No	Name of the Laboratory	Details of the Major Equipments
		apparatus), Gas Calorimeter, Viscometer (Red wood, Say bolt and Torsion), Planimeter, Pressure gauge Tester.
8	Dynamics Lab	Universal vibration test rig, Single DOF damped torsional free vibration system, Spring mass system, Whirling of shaft setup, Balancing of rotating mass system, Polariscope, Governors, Gyroscope setup, Journal Bearing test rig.
9	Material Testing Lab	Universal testing machines (manual and computer operated), Computer aided Tensometer, Bending machine, Rockwell, Brinell, Vickers hardness tester, Izod and Charpy impact testers.
10	Metrology and Measurements Lab	Auto collimator, Surface roughness tester, Interferometer, Lathe tool dynamometer, Drill tool dynamometer, Pressure Gauge, Thermocouple, LVDT, Strain gauge, Slip gauges, Vernier/Dial gauge/Micrometer, Sine bars and sine centres, Gear tooth micrometer, Optical projector.
11	Fluid Mechanics and Machinery Lab	Pelton/Francis/Kaplan Turbines, Centrifugal pump, Reciprocating pump, Impact of jet on vanes test rig, Air compressor, Air blower, Venturimeter, Orifice, V-notch, Friction of flow through pipes test rig.

### ***Licensed software available in the department***

- CAD/CAM (PML Software) - 40 Users License
- CATIA V6 Design Master pack - 5 Users License
- ANSYS 15 - 50 Users License
- SOLIDWORKS 15 - 100 Users License
- Solid Edge V18 - 60 Users License
- Master CAM 2017

### ***Research Facilities in the department***

The following advanced equipments are also available with the department for carrying out research work by students and faculty members.

- CNC Lathe and CNC Milling Machine.
- Journal Bearing Test Rig, Thrust Bearing Test Rig and Pin on Disc wear tester.
- Hydraulic Trainer Kit with accessories.
- Wire EDM Machine, Surfcom flex and Machine Vision (Camera), Acoustic Emission kit.
- Heat Spy digital Infrared thermometer, Machine condition Tester T30 and Shock Pulse Tester.
- Extrusion honing Machine, Surfcom 130A and Silicone media mixer.

- Rotating bending Fatigue Test Machine and FFT Vibration Analyzer.

## ***Other Facilities***

- Engineering Association of staff and students.
- Alumni Association.
- Industrial visits, internship and project guidance.
- Exclusive Department library.

### **H) Department of Mathematics**

Mathematics is the queen of all sciences. We can neither know things correctly nor can have practical utility of computation unless we have the knowledge of Engineering Mathematics. Since Mathematics has cultural and disciplinary values, it occupies an important place in the curriculum and in society also. The Department of Mathematics was established in the year 1962 and is in PET Research Centre block. The department has three separate rooms, one for Professor, one for Associate Professors and other one for Assistant Professors. Faculties of our department are provided with necessary computing and internet facilities. The staff pattern of the Department consists of one Professor, two Associate Professors and five Assistant Professors. At present, the department possesses nine staff members, including two doctorates and three faculties pursuing their Ph.D.

#### **The Department staffs handle the following subjects for B.E. Courses:**

- Engineering Mathematics-I & II for first year B.E. and Engineering Mathematics-III & IV for second year B.E. (The above four courses are common to all branches)
- Advanced Mathematics- I & II for second year B.E. students of Diploma holders category.

### **I) Physics Department**

Physics department is one of the oldest departments of PES College of Engineering, Mandya, established in the year 1962. It is located in the first floor of the Administrative Block. The department has very good infrastructure with a carpet area of 320 sq. meters consisting of two spacious laboratories, HOD's chamber, two staff rooms, a departmental library, an internet room and a store room. The entire department is newly renovated with modern amenities and the laboratories are well established with latest & modern equipments. The department offers Engineering Physics Theory and Laboratory courses for the First year B.E students of all branches. The Department has been getting excellent results both in theory and practical examinations.

## **Physical Infrastructure**

Sl. No	Particulars
--------	-------------



1.	Class rooms (5 nos.)
2.	HOD Chamber - 1
3.	Professor Chamber - 1
4.	Staff room – 1 (for 3 faculty)
5.	A Store room & Computer room with internet facility
6.	Individual Compartments for Technical Staff.

## ***LABORATORIES AND WORKSHOPS***

Sl. No	Particulars
1.	Engineering Physics Laboratory - 1
2.	Engineering Physics Laboratory - 2

### **J) Department of Chemistry**

Chemistry is one of the vital branches of science without which life does not exist. Engineering is the application of basic sciences and it may be noted that all engineering branches originated from basic sciences. "Science without technology is useless and technology without science is blind". Department of Chemistry has been established during the year 1962 and staff pattern of Department of Chemistry have one Professor, one Associate Professor, three Assistant Professors are working in the Department. Among them Professor and Head, one Associate Professor and one Assistant Professor having Ph.D. degree and others are having M.Sc. degree. Non teaching faculties of the Department have one Instructor, one Asst. instructor, one Mechanic and three helpers. Department of Chemistry have well equipped laboratory with area of about 4500 sq. ft. In this laboratory 30-35 students are accommodated per batch. The laboratory consists of one preparation room, one store room, one instrument room and four staff rooms. Department of Chemistry has been conducted 15 days AICTE short term course for Engineering college staff members on Energy systems during the year 1999. Department of Chemistry has been upgraded as per autonomous syllabus under VTU and research lab by the help of AICTE grant of Rs. 7.0 lakhs. It has been recognized as research center by University of Mysore, Mysore. The staff members are guiding the students of B.E and M.Tech, for project and PhD research works. Staff members have been published 33 research papers at National and International Journals and also presented 51 research papers at National and International Conferences/Symposia. Presently six research candidates are doing research work on various chemistry topics in the Department under the guidance of Dr.H.Ramachandra Professor and Dr. Satish Kumar M Associate Professor. Also the Department has provided necessary computers with internet facilities.

### Physical Infrastructure:

Sl. No	No. of Class Rooms
01	05

### Labrotary

Sl. No	Particulars
01	6 Expts in Volumetric Analysis
02	6 Expts in Instrumental Analysis
03	Department of Chemistry have well equipped laboratory with area of about 4500 sq. ft. In this laboratory 30-35 students are accommodated per batch. The laboratory consists of one preparation room, one store room, one instrument room and four staff rooms.

### 10) Information Regarding NBA Accreditation:

Accredited Departments: 06

And Applied for Accreditation Departments: 02

#### **Details of Previous Accreditation - NBA**

Sl. No.	Programs	Year of starting	Accreditation	
			Year	No. of Years
1	Civil Engineering	1962	2004	5
2	Mechanical Engineering	1962	2004, 2008	3 & 3
3	Electrical and Electronics Engineering	1962	2004, 2008	3 & 3
4	Electronics & Communication Engineering	1971	2004	5
5	Automobile Engineering	1980	2004, 2008	3 & 3
6	Industrial and Production Engineering	1980	2004, 2008	3 & 3
7	Computer Science and Engineering	1983	2004, 2008	3 & 3
8	Information Science and Engineering	2000	2008	3

**NATIONAL BOARD OF ACCREDITATION**

NBCC Plaza, East Tower, 4<sup>th</sup> Floor, Bhikhan Prasad Marg,  
Pragati Vihar, New Delhi-110 029  
Tel: +91 11 2636 0029-32, Website: +91 11 4358 4003  
Website: www.nbaaiindia.org



Date: 02-13-2017

File No. 25-93/2016-NBA

To  
The Principal  
P.E.S. College of Engineering,  
Mandya - 571401,  
Karnataka

Subject: Accreditation status of programmes applied by P.E.S. College of Engineering, Mandya-571401, Karnataka.

Sir,  
This has reference to your application No. 1973 - 19-07-2016 seeking accreditation by National Board of Accreditation in Tier-I format to UG Engineering programmes offered by P.E.S. College of Engineering, Mandya-571401, Karnataka.

2. An Expert Team conducted on-site evaluation of the programmes from 8<sup>th</sup> to 8<sup>th</sup> October, 2017. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programmes as given in the table below:

Sl. No.	Name of the Programme (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Electrical & Electronics Engineering	Tier-I January 2016 Document	Accredited	Academic Years 2017-2018 to 2022-2023 i.e. upto 30-06-2023	Accreditation status granted is valid for the period indicated in Col.5 or till the programme has the approval of the competent authority, whichever is earlier
2.	Electronics & Communication Engineering		Provisionally Accredited	Academic Years 2017-2018 to 2019-2020 i.e. upto 30-06-2020	
3.	Civil Engineering		Provisionally Accredited		
4.	Mechanical Engineering		Provisionally Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. In respect of the programs which have been granted provisional accreditation, P.E.S. College of Engineering, Mandya - 571401, Karnataka should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible to be considered by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a revisit, as deemed appropriate by NBA Committees.

5. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to P.E.S. College of Engineering, Mandya-571401, Karnataka as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is programme accreditation and not institution accreditation. If such an instance comes in NBA's notice, this will be viewed seriously. Complete name of the programme(s) accredited, level of programme(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

*Chandrashekar*  
Coordi...

6. The accreditation status of the above programmes is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

7. The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. Copies each of the Report of Chairman of the Visiting Team and Institution's Reports in respect of the above programmes are enclosed.

9. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,  
*Chandrashekar*  
(Dr. Anil Kumar Nanna)  
Member Secretary

Encl: 1. Copy of Report of Chairman of the Visiting Team.  
2. Copies of Expert Reports of the Visiting Team.

Copy to:

- The Registrar, Vishveshvariah Technological University, Jyoti Sangama, Belgaum-590 018, Karnataka
- Principal Secretary (Hr. & Tech. Education) Govt. of Karnataka, K.G.S. 5th Floor, M.S. Building, R.No.645, Dr.B.R. Ambedkar Road, Bangalore-560001, Karnataka
- Director Technical Education, Tatrak Shikshan Bhanan Palace Road, Bangalore-560 001, Karnataka
- Accreditation File
- Master Accreditation file of the State.

*Chandrashekar*  
PRINCIPAL,  
P.E.S. College of Engineering,  
MANDYA - 571 401.

**NATIONAL BOARD OF ACCREDITATION**

NBCC Plaza, East Tower, 4<sup>th</sup> Floor, Bhikhan Prasad Marg,  
Pragati Vihar, New Delhi-110 029  
Tel: +91 11 2636 0029-32, Website: +91 11 4358 4003  
Website: www.nbaaiindia.org



Date: 18-01-2018

File No. 25-93/2016-NBA

To  
The Principal  
P.E.S. College of Engineering,  
Mandya - 571401,  
Karnataka

Subject: Accreditation status of programmes applied by P.E.S. College of Engineering, Mandya-571401, Karnataka.

Sir,  
This has reference to your application No. 1978 - 21-07-2016 seeking accreditation by National Board of Accreditation in Tier-I format to UG Engineering programmes offered by P.E.S. College of Engineering, Mandya-571401, Karnataka.

2. An Expert Team conducted on-site evaluation of the programmes from 24th to 26th November, 2017. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programmes as given in the table below:

Sl. No.	Name of the Programme (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Automobile Engineering	Tier-I January 2016 Document	Provisionally Accredited	Academic Years 2017-2018 to 2019-2020 i.e. upto 30-06-2020	Accreditation status granted is valid for the period indicated in Col.5 or till the programme has the approval of the competent authority, whichever is earlier
2.	Information Science & Engineering		Provisionally Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted provisional accreditation. P.E.S. College of Engineering, Mandya - 571401, Karnataka should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible to be considered by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a revisit, as deemed appropriate by NBA Committees.

5. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to P.E.S. College of Engineering, Mandya-571401, Karnataka as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is programme accreditation and not institution accreditation. If such an instance comes in NBA's notice, this will be viewed seriously. Complete name of the programme(s) accredited, level of programme(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

*Chandrashekar*  
Coordi...

6. The accreditation status of the above programmes is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

7. The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. Copies each of the Report of Chairman of the Visiting Team and Institution's Reports in respect of the above programmes are enclosed.

9. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,  
*Chandrashekar*  
(Dr. Anil Kumar Nanna)  
Member Secretary

Encl: 1. Copy of Report of Chairman of the Visiting Team.  
2. Copies of Expert Reports of the Visiting Team.

Copy to:

- The Registrar, Vishveshvariah Technological University, Jyoti Sangama, Belgaum-590 018, Karnataka
- Principal Secretary (Hr. & Tech. Education) Govt. of Karnataka, K.G.S. 5th Floor, M.S. Building, R.No.645, Dr.B.R. Ambedkar Road, Bangalore-560001, Karnataka
- Director Technical Education, Tatrak Shikshan Bhanan Palace Road, Bangalore-560 001, Karnataka
- Accreditation File
- Master Accreditation file of the State.

*Chandrashekar*  
PRINCIPAL,  
P.E.S. College of Engineering,  
MANDYA - 571 401.

## 11) Programs Offered:

### Course offered by the Institution Bachelor of Engineering (UG)

Title of the Programme	Year of Commencement	Current Intake for AY 2018-19
Civil Engineering	1962	120
Mechanical Engineering	1962	120
Electrical & Electronics Engineering	1962	60
Electronics & Communication Engineering	1971	120
Automobile Engineering	1980	30
Industrial & Production Engineering	1980	40
Computer Science & Engineering	1983	120
Information Science & Engineering	PESCE, Mandya 2000	60

### Course offered by the Institution Master of Engineering (M.Tech. / MCA / MBA) (PG)

Title of the Programme	Year of Commencement	Current Intake for AY 2018-19
M. Tech. Computer Integrated Manufacturing	1999	18
M. Tech. Machine Design	2013	24
M. Tech. Computer Science & Engineering	2000	18
M. Tech. Computer Engineering	2012	24
M. Tech. CAD of structures	2002	18
Master of Computer Applications	1992	60
Master of Business Administrations	2009	60
M. Tech. VLSI Design & Embedded Systems	PESCE, Mandya 2012	24

### Ph.D Programs

- Civil Engineering
- Mechanical Engineering
- Electrical & Electronics Engineering

- Electronics & Communication Engineering
- Information Science
- Computer Science & Engineering
- Automobile Engineering
- Industrial & Production Engineering
- Physics
- Chemistry
- Mathematics
- Geology

### **M.Sc. Engg. Programs**

- Civil Engineering
- Mechanical Engineering
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Computer Science & Engineering

## **12) Student Strength**

### UG Student Strength

Sl No.	Years	No. of Students																								
		GM		NRI		SC		ST		Cat I		Cat II A		Cat II B		Cat III A		Cat III B		Phy. Han		Ex-Ser		Total		
		1		2		3		4		5		6		7		8		9		10		11		1 to 11		
		M	F	San	Adm.	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Male	Female	
1.	I	26	16		67	35	19	7	5	15	8	58	25	20	6	57	56	47	19	0	0	0	0	265	154	
2.	II	85	44		118	51	34	23	10	18	9	95	38	26	7	112	84	69	28	0	0	0	0	479	254	
3.	III	84	37		121	42	40	21	11	18	9	89	41	25	4	103	99	66	34	0	0	0	0	467	254	
4.	IV	63	36		104	36	36	24	11	17	9	77	29	22	10	123	81	60	40	0	0	0	0	422	252	

PG Student Strength

No. of Students																								
Sl.No.	Course	Sanctioned Intake	Total No. of Students Admitted			Vac.	GM		NRI		SC		ST		Cat I		Cat II A		Cat II B		Cat III A		Cat III B	
			M	F	T		M	F	San	Adm.	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	I	126	22	44	66		3	10	0	0	4	8	1	2	1	1	2	2	3	2	7	15	1	4
2	II	126	21	26	47		11	11	0	0	5	2	1	1	0	1	0	2	1	2	3	3	0	4
Total		252	43	70	113		14	21	0	0	9	10	2	3	1	2	2	4	4	4	10	18		1

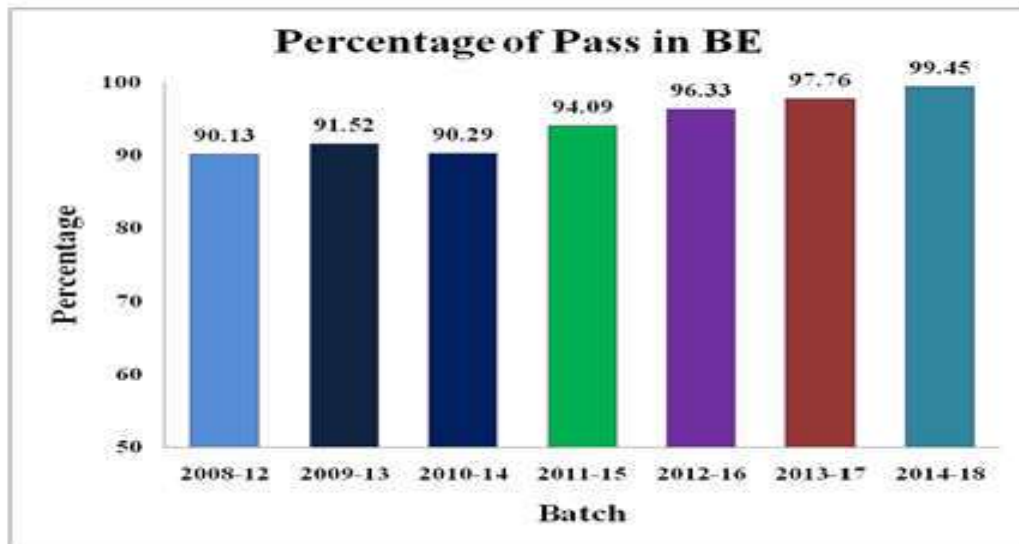
13) Faculty and Staff Position:

P.E.S.COLLEGE OF ENGINEERING, MANDYA.					
Faculty & Staff Positions				2017-18	
Sl.No.	Department	Designation	Sanctioned Post	Working Regular	Contract
1		Principal	1	1	0
2	Civil	Professor	2	1	0
		Asso. Professor	6	6	0
		Asst. Professor	13	10	12
3	Mechanical	Professor	2	1	0
		Asso. Professor	6	4	0
		Asst. Professor	14	14	16
4	E & E	Professor	1	0	0
		Asso. Professor	3	2	0
		Asst. Professor	8	7	2
5	E & C	Professor	1	0	0
		Asso. Professor	3	2	0
		Asst. Professor	9	8	3
6	Automobile	Professor	1	1	0
		Asso. Professor	3	2	0

		Asst. Professor	5	5	1
7	I & P	Professor	1	1	0
		Asso. Professor	2	1	0
		Asst. Professor	5	4	2
8	Mathematics	Professor	1	0	0
		Asso. Professor	2	2	0
		Asst. Professor	4	3	3
9	Physics	Professor	1	0	0
		Asso. Professor	1	1	0
		Asst. Professor	2	2	2
10	Chemistry	Professor	1	1	0
		Asso. Professor	1	1	0
		Asst. Professor	1	1	2
11	Geology	Asst. Professor	1	1	0
12	Library	Librarian	1	1	0
13	Sports	Asst. Director of Physical Education & Sports	1	1	0
14	Placement	Placement	1	0	0
15	C.S. & E	Professor	5	5	0
		Asso. Professor	6	6	0
		Asst. Professor	16	16	5
16	I.S. & E	Professor	1	1	0
		Asso. Professor	2	1	0
		Asst. Professor	5	4	2
17	MCA	Professor	2	2	0
		Asso. Professor	1	0	0
		Asst. Professor	4	4	3
18	MBA	Professor	1	1	0
		Asso. Professor	1	1	0
		Asst. Professor	5	5	1
19	E & C	Professor	1	0	1
		Asso. Professor	1	1	0
		Asst. Professor	14	14	0
20	Mathematics	Asst. Professor	1	1	0
		<b>Total</b>	<b>170</b>	<b>146</b>	<b>55</b>

#### 14) Exam Result Analysis

### Batchwise Percentage of Pass in UG

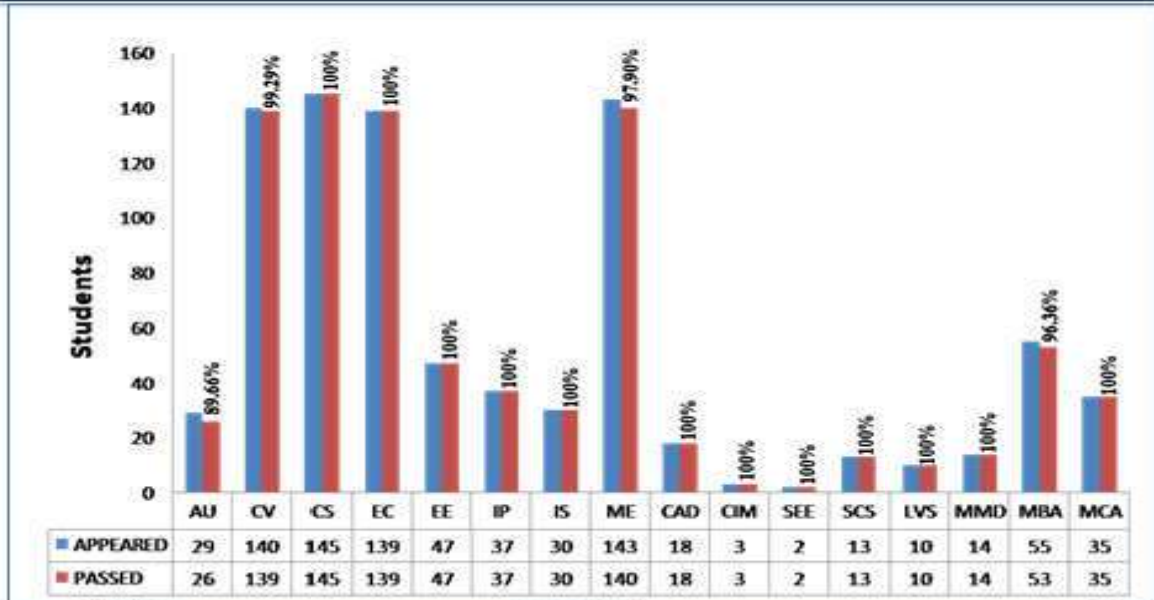


2 May 2019

PESCE, Mandya

38

### Degree Completed Students in 2017 – 18



2 May 2019

PESCE, Mandya

39

#### 15) Transition Rate of 1<sup>st</sup> Year UG Students




**P.E.S. COLLEGE OF ENGINEERING**


(An Autonomous Institution under Visvesvaraya Technological University, Belgaum, Aided by the Gov. of Karnataka and U.G. Programmes are Accredited by National Board of Accreditation.)

**List of First Year Students admitted along with their results of first year, Gender and Category**

Total no of students admitted 595 during 2017-18  
 Total no of SC students admitted 56 during 2017-18  
 Total no of ST students admitted 17 during 2017-18  
 Total no of Girls students admitted 218 during 2017-18

Programme Name	Total Students Passed without backlog	SC Students	ST Students	Girl Students
B.E. Automobile Engineering	17	2	0	2
B.E. Civil	68	8	8	34
B.E. Mechanical	69	5	1	4
B.E. Electrical & Electronics	24	1	1	17
B.E. Electronics & Communication	111	8	3	60
B.E. Industrial & Production	25	0	0	6
B.E. Computer Science & Engineering	75	1	3	38
B.E. Information Science & Engineering	16	2	0	8
<b>TOTAL</b>	<b>485</b>	<b>27</b>	<b>16</b>	<b>169</b>

Total No of students Passed : 68.87%  
 Total no of SC students Passed : 48.21%  
 Total no of ST students Passed : 94.11%  
 Total no of Girls students Passed : 77.52%

  
 PRINCIPAL  
 P.E.S. College of Engineering  
 MANDYA - 571 401.

\* U.G. Programmes : AI/CV/ECE/EE/MECH/IS Dept. are Accredited by N.B.A.  
 Principal Phone : +918232-228043, 238683, 238042, Fax : +918232-221075  
 Website : www.pesce-mandya.org, Email : principal@pesce.ac.in

### 16) Gate Qualified Students Data

Serial Number	Student Name	Department	Registration Number	Gate Score
1	Harshith Gowda D	Civil	CE19S81224270	33
2	KARTHIK A R	Civil	CE19S81224275	29.67
3	Divyashree L	Computer Science	CS19S31224268	32.33
4	Gagan M N	Electronics	EC19S51224362	17
5	Mahesha K S	Electronics	EC19S51224521	25
6	RAHUL A R	Civil	CE19S81224184	30.66
7	Harshitha G	Electronics	EC19S51225205	38
8	Nandi Vishal U	Electronics	EC19S51224449	13
9	Inayate Ur Rehman	Mechanical	ME19S21224506	32.3

## 17) Training Program Held for Students

Details of Students Attendance undergone training in Technical and soft skills held by various engineering programmes and Training and placement cell of PESCE

Technical skills was conducted for total strength of 380 Final year UG students

Soft skills was conducted for total strength of about 620×3 i.e., I, II & III year UG students

## 18) Training Program Held for teachers and staff

Total Number of Training Program Held for teachers and staff: 143

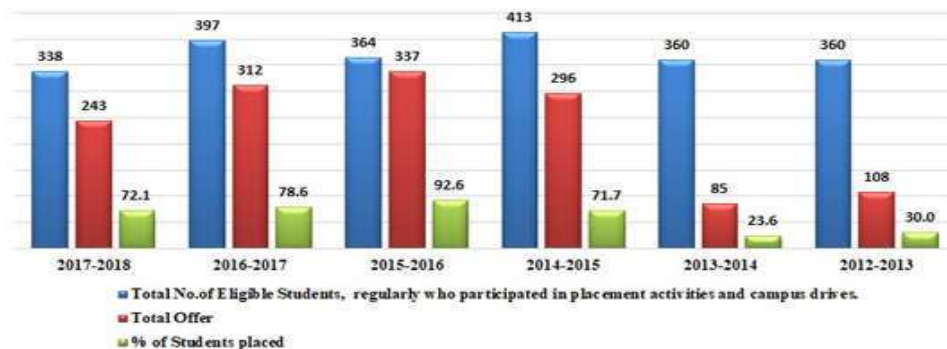
## 19) Student internship data

Total Number of Students Undergone for Internship: 567

## 20) Campus Placement Data

Placement Academic Record 2017-18				* Multiple Offers
Branch	Total No. of Interested & Eligible Students, regularly who participated in placement activities and campus drives.	Students placed through campus placements.	Percentage	
CS	73	87	119.1( . )	
EC	113	92	82.30	
EE	30	11	36.67	
AU	9	2	22.22	
IP	13	9	69.23	
IS	21	9	42.86	
ME	62	29	46.77	
CV	15	3	20.00	
M.Tech	2	1	50.00	
Total	338	243	72.19	

### Placement Record Last Six Years



### Companies Visited

#### Year 2017-2018

SI.No	Company	27	Maventec
1	ABB	28	MINDTREE
2	ABC	29	Mphasis
3	Accord software	30	MTR
4	Aquarelle India Pvt Ltd.	31	NEXTNOVITY
5	Ateerna	32	Nokia
6	B L kashyap	33	NTT DATA
7	BEL	34	Praticean Technologies
8	BENZ	35	PRDC
9	Brigade	36	Prosys system
10	BYJU'S	37	Qspider
11	Capital Aim	38	Robosoft
12	Codilar	39	SETTT
13	Continental	40	SLK Software
14	Core EL	41	State street
15	E&Y	42	Subex
16	FACE	43	Tayana Software Solutions Pvt.Ltd
17	Fidelis	44	TCS
18	Global Edge	45	Techmill
19	Health Asyst	46	Texas Instrument
20	Hire Mee	47	Tricon
21	Infosys	48	Vtiger
22	Ionidea	49	Vyshnavi Information Technologies Pvt.ltd
23	Lam Research	50	Weir EnSci
24	Liquid Hub	51	westline
25	LM WindPower	52	Yodlee
26	Lowe's India		

## 21) Sponsored R&D Projects In Hand:

<b>Sponsored Projects</b>	
The following Projects have been taken up by different Departments of the college, which were sponsored by various agencies like-	
•	AICTE [All India Council for Technical Education]:- 06
•	VTU [Visvesvaraya Technological University]:- 06
•	UGC [University Grants Commission]:- 06
•	VGST [Vision Group of Science And Technology, Karnataka]:- 06
•	DRDO [Defence Research and Development Organisation], Pune:- 02
•	DST [Department of Science & Technology]:- 02
•	VGST – TRIP [Technology related innovative projects]:- 01
•	VGST – CISEE [Centres of Innovative Science Engg. and Education]:- 01
•	VGST-CESEM:- 02
•	Department of Industries & Commerce Govt. of Karnataka:- 02
•	KSBDB,[ Karnataka State Biofuel Development Board] Govt. of Karnataka, Bangalore:- 01
•	MOES [Ministry of Earth Science], Govt. of India, New Delhi:-01
The institute is making its earnest efforts to deliver things as per the guidelines and intentions of the Autonomy	

### List of Sponsored Projects (2009 to 2018)

Sl. No.	Title of the Project	Agency	Year	Am't. Sanctioned (Rs. in Lakhs)	Status of the project	Coordinator
Dept. of Computer Science & Engineering						
1	Establishing the Internet of Things (IoT) Laboratory for PG and research programs	VGST	2015-16	20.00	On Going	Dr. M C Padma
Dept. of Electronics and Communication Engineering						
1	Infrastructure Strengthening in Science and Technology in Higher Educational Institutions – (K-FIS) – Level – 1 (Karnataka fund)	VGST	2010-12	20.00	On Going	Dr. V Sridhar
2	Establishment of Medical Image analysis laboratory	VGST	2014-15 (K-FIS-1)	20.00	In Progress	Dr. H.S.Shishuiah Professor
Dept. of Mechanical Engineering						
3	Optimization of Process parameters in Wire EDM	AICTE	2010	7.00	Completed	Dr. H.V. Ravindra
4	Monitoring of machine elements using machine vision	VTU	2012	6.45	In progress	Dr. H.V. Ravindra
5	Monitoring of electrode in WEDM machining using Multi – sensory approaches	UGC	2013	6.35	In Progress	Dr. H V Ravindra
6	Monitoring the status of the drilled hole in composite material using multi sensory approaches	DRDO, Pune	2013	10.00	In Progress	Dr. H V Ravindra
Dept. of Electrical and Electronics Engineering						
7	Establishing High Voltage Insulation laboratory	Department of Industries & Commerce Govt. of Karnataka	2012- 2014	15.00	In Progress	Dr. B Ramachandra Professor & HOD of E&E
Dept. of Civil Engineering						
8	Impact assessment of ambient traffic Noise Pollution	AICTE	2009-2010	3.00	Completed	Dr. S P Mahendra
9	Road traffic impact on urban Air Quality	UGC	2010-2011	4.00	Completed	Dr. S P Mahendra
10	Utilization of recycled Poly Ethylene Terephthalate (PET)	VTU	2010-2011	6.10	Completed	Dr. S P Mahendra
11	Ultra thin cement concrete overlays for flexible pavements	AICTE	2012-2013	13.00	Completed	Dr. S P Mahendra
<b>Total</b>				<b>104.55</b>		

## Sponsored Research Projects Contd.....

Sl. No.	Title of the Project	Funding Agency	Year	Amount Sanctioned in R.L.	Status of the project	Coordinator
<b>Year 2016-17</b>						
1	Vibration and Noise Analysis of Parallel Shaft Gear Drive Systems	AICTE	2017-20	10,00,000/-	In Progress	Dr. S L Ajit Prasad
2	A Heuristic Approach for Design and Develop a Prototype Electronics Nose to Detect Spoilage of Milk and Bread.	VGST (SMYSR)	2016-17	5,00,000/-	In Progress	Mr. M J Anand
3	Setting up of network Forensic lab.	VGST & FIST LEVEL (1)	2016-17	20,00,000/-	In Progress	Dr. Minavathi
<b>Year 2015-16</b>						
4	Establishing the Internet of Things (IoT) Laboratory for Post Graduate and Research programs	VGST	2015	20,00,000/-	In Progress	Dr. M.C.Padma
5	Establishment of Medical Image analysis laboratory	VGST	2014-15	20,00,000/-	In Progress	Dr. H.S. Sheshadri
6	Ground water Potential Zone Mapping Using Remote Sensing & GIS Application for Madegowda Koppalu Sub Watershed, Chandragalu Hobli, Mandya Taluk, Mandya dist <small>2 May 2019</small>	Karnataka State Council for Science and technology	2015-16 <small>PESCE, Mandya</small>	4,000/-	Completed	Dr. L Prasanna Kumar <small>76</small>

## Sponsored Research projects (continued)

<b>Year 2014-15</b>						
7	Monitoring the status of the drilled hole in composite material using multi sensory approaches	DRDO, Pune	2014-17	10,00,000/-	In Progress	Dr. H V Ravindra
<b>Year 2013-14</b>						
8	Utilization of Remote Sensing & GIS for mapping of Natural Resources – on Water Resource action plan for Ramnagar to Micro watershed, Ramnagar dist.	Ministry of Earth Sciences, Govt. of India, New Delhi	2014	15,95,120/-	In Progress	Dr. L Prasanna Kumar
9	Monitoring of electrode in WEDM machining using Multi – sensory approaches	UGC	2013	6,30,000/-	Completed	Dr. H V Ravindra
<b>Year 2012-13</b>						
10	Machine tool condition monitoring using Machine vision	VTU	2012-15	6,35,000/-	Completed	Dr. H V Ravindra
11	Fabrication of billets using powder mixture to be used in <small>2 May 2019</small> stir casting process	VGST – TRIP	2012-13 <small>PESCE, Mandya</small>	40,000/-	Completed	Dr. S L Ajit Prasad <small>77</small>

## Sponsored Research Projects (continued)

12	Establishing High Voltage Insulation laboratory	Department of Industries & Commerce Govt. of Karnataka.	2012-14	50,00,000/-	In Progress	Dr. B. Ramachandra
13	Artificial Ground Water Recharge in Madse Gowdana Koppalu, Mandya dist. Karnataka by using Remote Sensing & GIS Techniques	VTU – R & D	2012	7,20,000/-	Completed	Dr. L. Prasanna Kumar
14	Established Mandya District Bio fuel Information & Demonstration Centre @ PES College of Engg. Mandya	Karnataka State Bio fuel Development Board, Panchayath Raj Dept. Govt. of Karnataka	2012	45,00,000/-	In Progress	Dr. L. Prasanna Kumar
15	Utilization of Remote sensing and GIS for Mapping of Natural resource –On water Resource Action plan for Melukote Micro Watershed Mandya District	Karnataka State Council for Science and technology	2012-13	5,000/-	Completed	Dr. L. Prasanna Kumar
16	Ultra thin cement concrete overlays for flexible pavements	AICTE	2012-13	13,00,000/-	Completed	Dr. S P Mahendra

### 22) Candidate Completed/Doing P.Hd:

## During 2008 – 2019, Statistics about PET Research Centre

- **No. of Guides** : 55
- **No. of candidates perusing Ph.D** : 139 (28+111)
- **No. of candidates Awarded with Ph.D** : 97 (48+47+2)
- **No. of candidates perusing M.Sc. Engg.,** : 06 (5+1)
- **No. of candidates Awarded with M.Sc. Engg.** : 14 (10+4)
- **No. of National/ International journals Published** : 820(54+766)
- **No. of Participation in National/International Conferences** : 698(184+514)

## Ph. D Awardees (Year Wise)

Year	Number of Awardees
2001-03	01
2003 - 04	01
2007 - 08	01
2008 - 09	Nil
2009 - 10	04
2010 - 11	06
2011 - 12	09
2012 - 13	05
2013 - 14	12
2014 - 15	10
2015-16	12
2016-17	08
2017-19	28
<b>TOTAL</b>	<b>97</b>

2 May 2019

PESCE, Mandya

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## Ph. D Awardees (Branch Wise)

Branch	Number of Awardees
Civil Engineering	16
Mechanical/Automobile/IP	21
Electrical/Electronics	37
CS	14
Mathematics	08
Chemistry	01
<b>Total</b>	<b>97</b>

2 May 2019

PESCE, Mandya

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### 23) R & D Achievements:

Year wise Publications List					
Year	International Journal	National Journal	International Conference	National Conference	Total
2008-09	15	04	23	18	60
2009-10	17	04	37	28	86
2010-11	32	07	38	10	87
2011-12	37	03	44	10	94
2012-13	62	06	47	12	127
2013-14	75	08	79	16	178
2014-15	99	06	65	36	206
2015-16	84	07	78	38	207
2016-17	105	02	46	13	166
2017-19	240	7	57	3	307
<b>Total</b>	<b>766</b>	<b>54</b>	<b>514</b>	<b>184</b>	<b>1518</b>





## Department wise Publication List ( 2008-2018)

Departments	International Journals	National Journals	International Conference	National Conference	Total
Automobile	19	03	05	04	31
CSE	75	05	44	01	125
Civil	100	02	44	13	159
E & C	146	01	102	52	301
E & E	64	11	47	08	130
I & P E	35	08	00	01	44
ISE	19	00	14	05	38
Mechanical	118	03	200	45	366
MCA	64	00	07	10	81
MBA	35	04	15	24	78
Mathematics	51	06	14	13	84
Chemistry	29	03	22	07	61
Physics	11	08	00	01	20
<b>Total</b>	<b>766</b>	<b>54</b>	<b>514</b>	<b>184</b>	<b>1518</b>

2 May 2019

PESCE, Mandya

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## Publications of PESCE as covered by SCOPUS, WEB OF SCIENCE & GOOGLE SCHOLAR (1987-2019)

Sl. No.	Name of Citation Indices	No. of Publications	No. of Citations	H Index	Avg. Citation
1.	Scopus	376	1644	20	4.86
2.	Web of Science	94	709	15	7.54
3.	Google Scholar	376	2736	26	7.27

2 May 2019

PESCE, Mandya

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## Publications of PESCE as covered by SCOPUS (2016-2019)

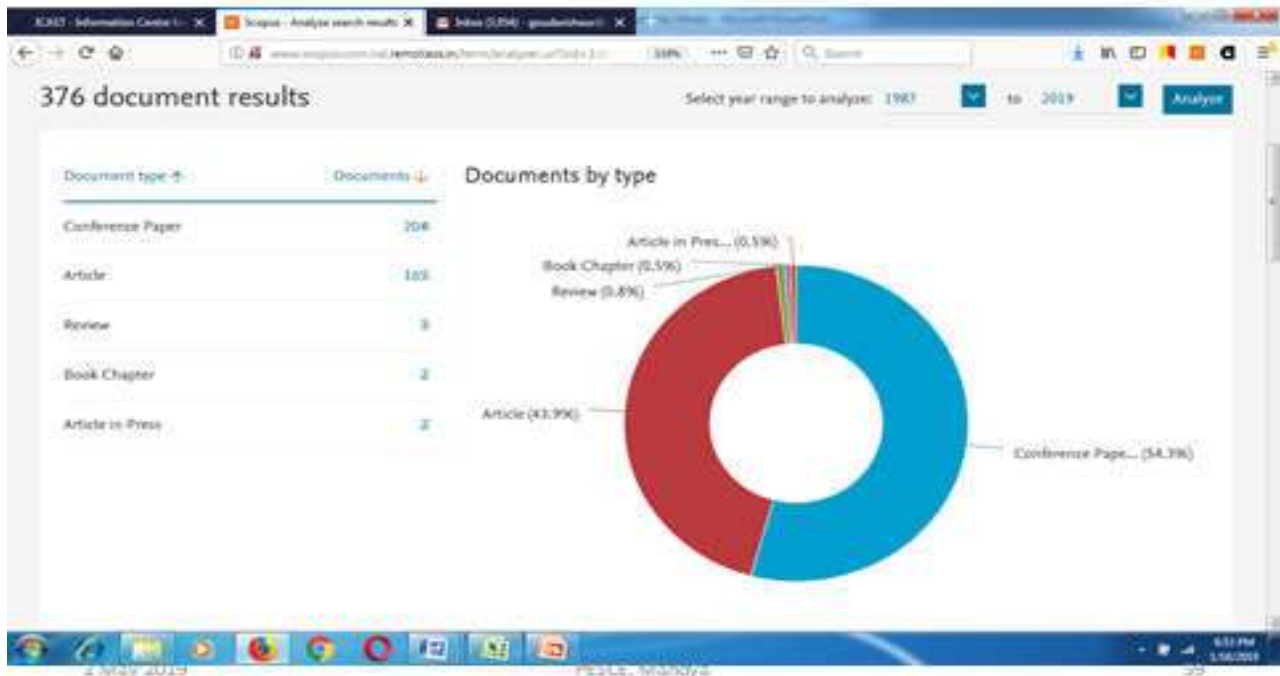
Sl. No.	Year	No. of Publications	No. of Citations	H Index	Avg. Citation
1.	2016-17	59	62	3	1.05
2.	2017-18	50	34	2	0.68
3	2018-19	36	2	1	0.05

2 May 2019

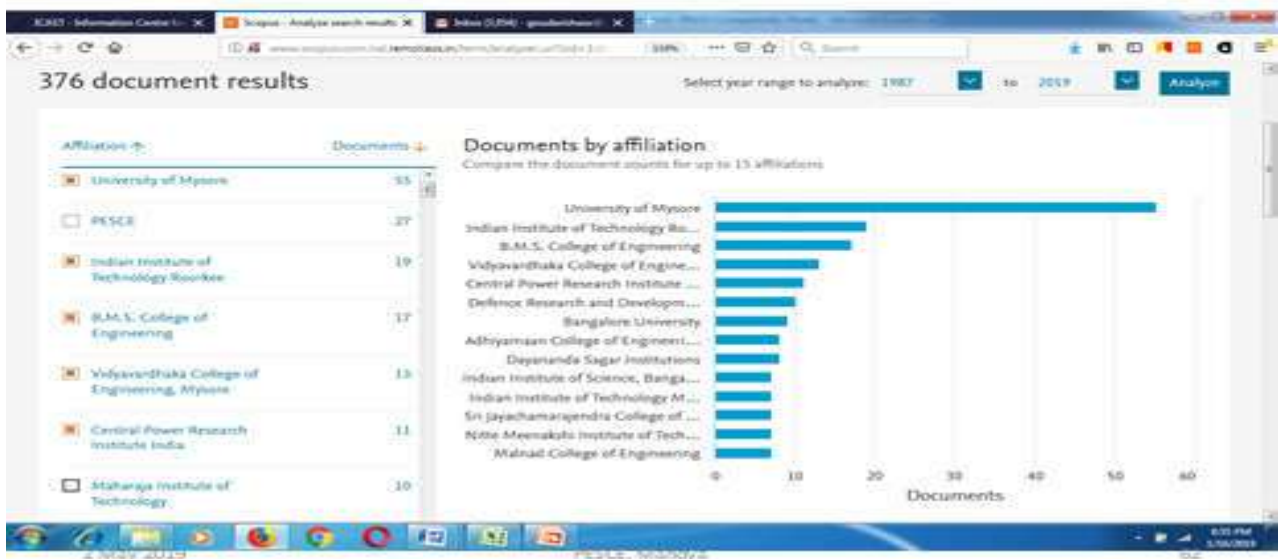
PESCE, Mandya

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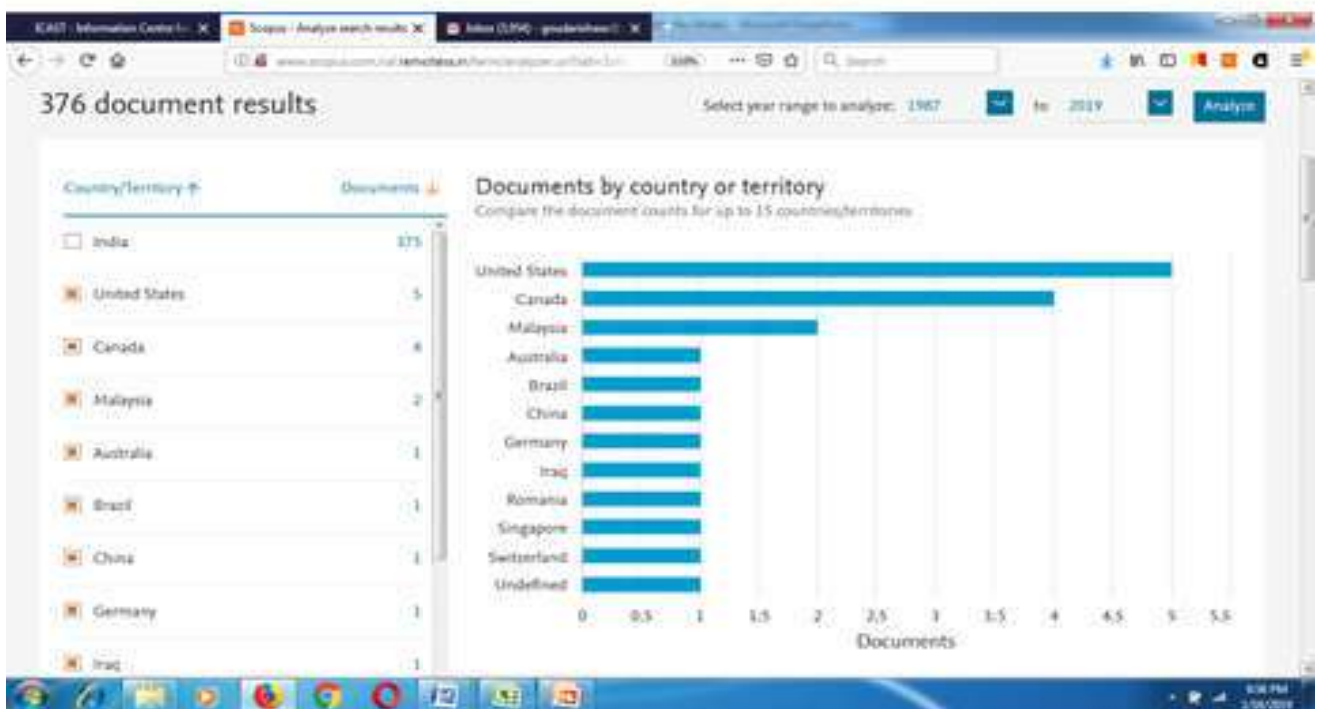
## PESCE Research Output: Document Types



## Institutions Collaborating with PESCE



## Countries Collaborating with PESCE



## Countries Citing PESCE Publications (Other than India)



2 May 2019

PESCE, Mandya

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### 24. Conferences held:

## 3<sup>RD</sup> INTERNATIONAL CONFERENCE ON EMERGING RESEARCH IN ELECTRONICS, COMPUTER SCIENCE AND TECHNOLOGY 23<sup>RD</sup> - 24<sup>TH</sup> AUGUST, 2018

### 25. Consultancy projects in-hand.

**Geotechnical Engineering Laboratory-** The following tests are conducted to evaluate the properties of soil by collecting disturbed and undisturbed samples. Sieve analysis, In-situ density by core cutter method, Consistency limits, Compaction test, Tri-axial compression test, direct shear test, unconfined compressive strength test, California Bearing ratio test.

**Concrete and Highway material testing laboratory-** The following tests are conducted to evaluate the properties of Cement, Aggregate and Bitumen. Fineness of cement, Initial and Final setting time, Strength test(Cement mortar cube and cement concrete cube), Sieve analysis of aggregates, Abrasion test, Shape test, Specific gravity and water absorption

**Basic Materials testing laboratory-** The following tests are conducted to evaluate the properties of Bricks and Steel., Water Absorption of brick, Compressive strength test of brick, Weighment test of steel, Tension test of steel, Bend and re-bend test

**Environmental Engineering Laboratory-** The following tests are conducted to evaluate the quality of drinking water and sewage water.pH, Turbidity, Color, Taste and odor, Conductivity, Total dissolved solids, Total hardness, Calcium hardness, Magnesium hardness, Alkalinity, Chloride, Fluoride, Nitrate, Iron, Sulphate, E-coli

**Third Party Inspection-** Inspection of various works like road, public buildings constructed by government and private agencies as per design and planning. Stability and strength evaluation of buildings by Non-destructive testing methods (NDT)

### Revenue Collected from Consultancy Works

Year	Amount(Rs)
2013-2014	9,64,828.00
2014-2015	16,13,295.00
2015-2016	8,65,780.00
2016-2017	24,84,202.00
2017-2018	8,02,136.00
2018-2019	10,77,190.00

## 26. Start-ups and Innovations.

Financial Year	Category	Name of Idea / Project / Innovation / Startup	Project Completion	Core Team Size (Nos)	Institution Own Seed Fund	Total Support ed Amount
2015-16	Idea to PoC / Prototype / Innovation	Fabrication of Compressed Air operated Vehicle Supported with solar Energ	Successfully Completed	4	32000.00	32000.00
2015-16	Idea to PoC / Prototype / Innovation	To Design, Modelling and Evaluate Performances of nano Biosensors for the Detection of Abnormalities in Blood	Successfully Completed	4	12963.00	12963.00
2015-16	Idea to PoC / Prototype / Innovation	Parametric Optimization of wire EDM in Machining Ai-Si3N4 Metal Matrix Composites Material Using Taguchi Technique	Successfully Completed	4	10122.00	10122.00
2015-16	Idea to PoC / Prototype / Innovation	Fabrication and Evaluation of Carbon Fiber Reinforced Plastic Composite	Successfully Completed	4	15156.00	15156.00
2015-16	Idea to PoC / Prototype / Innovation	Analysis of Heat Transfer Through Heat Exchanger Using Al2O3 Nanofluid AT Ferent Concentrations	Successfully Completed	4	14976.00	14976.00

2015-16	Idea to PoC / Prototype / Innovation	Accident Analysis and Prevention Measures in SH-17 Mandya Districh (Mandya to S.R. Patna)	Successfully Completed	4	33579.00	33579.00
2015-16	Idea to PoC / Prototype / Innovation	Ground Water Potential Zone Mapping using Remote Sensing and Gis Application for Madegowdana Koppalu, Chuundagalu Hobli, Mandya Tq, Mandya Dist	Successfully Completed	4	16720.00	16720.00
2015-16	Idea to PoC / Prototype / Innovation	Locked Home Beet System - A portal for the police department to monitor locked homes	Successfully Completed	4	25864.00	25864.00

### Funds Supported to convert Ideas to Innovation & Start-ups

2015-16	Idea to PoC / Prototype / Innovation	Monitoring the status of the drilled hole in composite material using multi sensory approaches	On Progress	2	1000000.00	1000000.00
2015-16	Idea to PoC / Prototype / Innovation	Machine tool condition monitoring using Machine vision	Successfully Completed	3	635000.00	635000.00
2015-16	Idea to PoC / Prototype / Innovation	Monitoring of electrode in WEDM machining using Multi sensory approaches	Successfully Completed	2	630000.00	630000.00
2016-17	Idea to PoC / Prototype / Innovation	A Heuristic Approach for Design and Develop a Prototype Electronics Nose to Detect Spoilage (VGST-SMYSR)	On Progress	1	500000.00	500000.00
2017-18	Idea to PoC / Prototype / Innovation	Vibration and Noise Analysis of Parallel Shaft Gear Drive Systems (AICTE)	On Progress	1	1000000.00	1000000.00
2017-18	Idea to PoC / Prototype / Innovation	EGA - Electrifying Green Aspiration - National level competition under SAEINDIA	Successfully Completed	5	75000.00	70440.00
70440.00	Patented Innovative Technology to Start-up	Single Wheeled Electric Bike	On Progress	2	38008.00	110000.00
110000.00	Idea to PoC / Prototype / Innovation	Hybrid Two Wheeler Championship - National level competition under SAE INDIA	Successfully Completed	4	17600.00	75000.00
75000.00	Idea to PoC / Prototype / Innovation	Study of vibration characteristics of rotating system	Successfully Completed	2	14090.00	38008.00
38008.00	Idea to PoC / Prototype / Innovation	Fabrication of Solar and Dynamo power driven bicycle	On Progress		75000.00	17600.00

## **27. Linkage with industry**

Today as India plays a major role in the rapid change of technology, the developments in various fields of technology are due to the contribution of both industry and academia of the country. The industry and institution are interdependent on each other for new inventions and discoveries to meet the demands of the present problems of the society. It is a fact that when industry and institution go hand in hand and cooperate with each other more innovations can happen. This creates a healthy environment in the country where there will be all round development. This is an important factor in making the economy of the country more strong. Both industry and institution play a vital role in the development of the nation.

For the above reason, the college has initiated the formation of Industry Institute Interaction Cell (with a Dean and one III coordinator from each department) in the year 2015 to boost the following activities of Industry interaction

• Consultancy work	• Revenue generation programs	• Industrial training
• Project work in industries	• Industry Study Tour Programmes	• Interaction with scientists & research scholars.
• Faculty exchanges	• Personality development workshop	• Guest lectures
• Continuing education programmes	• Short - term training programmes	• In house training programmes
• Industrial visits	• Deputing faculty during the lean period	• Organizing workshop/seminar
• Joint Faculty Development Programs	• Panel Discussions	• CEO Interactions
• Corporate Excellence Award	• Signing MOU's	

### **MOU's with Company/Organizations**

• Coreel Technologies, Bengaluru	• Meritor HVS India Ltd., Mysuru	• Here Solutions India Pvt. Ltd, Gurgaon
• NVIDIA Graphics Pvt. Ltd.,	• Forth Ambit Technologies Pvt. Ltd.	• Global edge Software Ltd. Blr.
• APTINIA Inc., Bengaluru	• Sri Manjunatha Design Solution, Blr.	• EMC <sup>2</sup> , Bengaluru
• IEEE, New York, USA	• Intel, Bengaluru	• Tiny chip solutions, Bengaluru
• Infosys Ltd., Mysuru	• Quality Evaluation and Systems Team Pvt. Ltd., Bengaluru	• Perk data systems Pvt. Ltd. Bengaluru
• FTD Automation Pvt. Ltd. Bengaluru	• Foundation for Advancement of Education and Research (FAER), Blr.	• Seven craft groups, Bengaluru

### **MOU's (Under Process) with Company/Organizations**

• Vi Microsystems Pvt. Ltd., Chennai	• Zes Tech Global Pvt. Ltd. Bengaluru	• Torsteel Ltd. Bengaluru
• Yokogawa Technical School,	• Sun softronic systems,	• M/s N. Ranga Rao and Sons,

Blr.	Bengaluru	Mos.
• Bosch India Pvt. Ltd. Bengaluru	• M/s Zebra Technologies India Pvt. Ltd. (Motorola solutions), Bengaluru	• M/s Shahi garments, Bengaluru

**Number of MOU's : 18      MOU's Under Process : 09      Total : 27**

### **MOU with Industries**

• Tata ELEXI:	• Global Edge:	• Ktwo: EC, CSE, ISE Research
• Coreel Technologies, Bengaluru	• Foundation for Advancement of Education and Research (FAER), Blr	• EMC2 : EC, CSE, ISE Training Faculty and students
• Meritor HVS India Ltd., Mysuru	• Infosys: Campus connect programme	• Intel, Bengaluru
• Here Solutions India Pvt. Ltd., Grg	• FTD Automation Pvt. Ltd. Bengaluru	• Naviqure: EC Research
• NVIDIA Graphics Pvt. Ltd., Blr.	• EICHER Tractor Ltd.	• Builders Associations:
• Forth Ambit Technologies Pvt. Ltd.	• MICO BOSCH, Bengaluru	• TCS: All programs for placement
• APTINIA Inc., Bengaluru	• NIMHANS: ISE Research association. To support FMRI data	• Ktwo: EC, CSE, ISE Research

### **28. Collaborative activities**

## **Student level achievements / Recognition**

1. Noor Fathima - CS & E student won "Richard E. Merwin Scholarship" from IEEE Computer Society, year 2016. The award includes title of IEEE CS Asia Pacific Student Ambassador
2. Best ISTE Student chapter of the Section /state award – year 2016
3. “Highest number of Blood Donation”-Award- Rolling shield of the Mandya District branch of the Indian Red Cross Society- year-2012,13,14,15,16
4. Outstanding IEEE Student Branch award, Bangalore section year 2012
5. Outstanding IEEE student Branch Website award, year 2013.
6. Project entitled “Smart Unmanned Level Crossing Warning System Using GPS and Lora Protocol” is developed by CS &E student and implemented as a Working Model and launched by South Western Railway Mysore.-APPRECIATION CERTIFICATE BY SOUTH WESTERN RAILWAY- year 14-06-2017
7. A software developed by CS &E to Detect Stolen and Unclaimed vehicles lying in police station-Best District Initiative in Citizen-centric Service Delivery through ICT.- 18 <sup>th</sup> National Conference on E-Governance - GOLD Award. & won second prize in - Infosys Technical competition Project Innovation Challenge -2014.



<b>Initiative for Green Measures</b>
--------------------------------------

- |  |
|--|
| <ul style="list-style-type: none"><li>• Establishment and promotion of Biofuel Centre.</li></ul>             |
| <ul style="list-style-type: none"><li>• Maintaining the Greenery in the campus throughout the year</li></ul> |
| <ul style="list-style-type: none"><li>• Harvesting of solar energy to meet campus requirements</li></ul>     |
| <ul style="list-style-type: none"><li>• Rain Harvesting (under process)</li></ul>                            |

## 29. Curricular achievement & Co-curricular achievement



# P.E.S. COLLEGE OF ENGINEERING

(Affiliated to Visveswaraiah Technological University, Belgaum)

MANDYA-571 401, KARNATAKA STATE, INDIA.

## SPORTS SECTION

Ref. No. P.E.S.C.E. Sp OUR COLLEGE SPORTS ACHIEVEMENT FROM 2016 TO 2017 Date: 3-5-2018

Sl. No.	Events	Zone	Year	Winner/runner	Venue
1	Ball Badminton	VTU Rest of Bangalore zone	2016	Runner	R.L.Jalappa Engg. College, Doddaballapura
2	Tennis	VTU Mysore zone	2016	Runner	VVCE, Mysore
1	Volleyball	Mysore zone	2017	winner	NIE Mysore
2	Cricket	Mysore zone	2017	winner	SJCE, Mysore
3	Football	Mysore zone	2017	Runner	SJCE, Mysore
4	Ball Badminton(M)	Rest of Bangalore zone	2017	Runner	PESCE, Mandya
5	Ball Badminton(W)	Rest of Bangalore zone	2017	4 <sup>th</sup> Place	PESCE, Mandya
6	Ball Badminton(W)	VTU Inter zone	2017	4 <sup>th</sup> Place	RL Jallappa Engg. Doddabalapura
7	Ball Badminton(M)	VTU Inter zone	2018	4 <sup>th</sup> Place	MCE, Hassan
8	Volley Ball	Mysore zone	2018	Runner	CIT, Ponnampet
9	Kabaddi (M)	Mysore zone	2018	Runner	PESCE Mandya

  
PHYSICAL DIRECTOR  
Chinne Gowda, M.P.Ed.,  
P.E.S. College of Engineering  
MANDYA,

  
PRINCIPAL  
PRINCIPAL  
P.E.S. COLLEGE OF ENGINEERING  
MANDYA-571 401,



# P.E.S. COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belgaum)

MANDYA-571 401, KARNATAKA STATE, INDIA.

Fax: 08232-222075

## SPORTS SECTION

Ref. No. P.E.S.C.E. Sp

Date: 3-5-20


2018-2019


VTU Mysore Zone Tournament conducted by PESCE, Mandya  
On 9<sup>th</sup> & 10<sup>th</sup> March 2019.

Event	Winner	Runner	Venue
Volley Ball	PESCE, Mandya	Ghousia Engg. College, Ramanagar	PESCE, Mandya
Foot Ball	N.I.E, Mysore	V.V.C.E, Mysore	PESCE, Mandya

VTU Mysore zone & Inter zone our college achievement 2018-19.

Event	Winner	Runner	Venue
Volley Ball	PESCE, Mandya	Ghousia Engg. College, Ramanagar	PESCE, Mandya
Basket Ball	PESCE, Mandya	N.I.E, Mysore	N.I.E, Mysore
Kho-Kho	N.I.E, Mysore	PESCE, Mandya	B.G.S, Bellur
Hand Ball	Ghousia Engg. College, Ramanagar	PESCE, Mandya	Ghousia Engg. College Ramanagar
Ball Badminton	NITTE, Mangalore	PESCE, Mandya	Dr. R.L.Jalappa, Doddaballapur
Ball Badminton	Alvas, Mangalore	R.L.Jalappa, Doddaballapur	PESCE, Mandya 3 <sup>rd</sup> Place (Inter zone) Dr. R.L.Jalappa, Doddaballapur

  
Asst. Physical Education Director  
Chinmay Gowda, M.P.Ed.  
P.E.S. College of Engineering  
MANDYA

  
PRINCIPAL  
PRINCIPAL  
P.E.S. COLLEGE OF ENGINEERING  
MANDYA-571 401.

### 30. Awards/Prizes won by students, faculty

## Endowment Scholarships/Cash Prizes

1. T.H. Mala Srinivasan & Dr. K.S. Srinivasan Endowment Medal	Mechanical Engineering
2. Dr. K.P.SrinivasaSetty Endowment Medal	Automobile Engineering
3. Smt. Nagamma & N.T. Cheluvegowda Endowment Medal	Civil Engineering
4. Sri. Puttaswamy Endowment Medal	Computer Science and Engg
5. Sri. M.K. Ramaiah Endowment Medal	Industrial & Production
6. Sri. Puttaswamy Endowment Medal	Information Science & Engg
7. Sri. Mulemanchana Boregowda Kallahalli Endowment medal	Electrical Engineering
8. Sri. Samartha Endowment Medal	Electronics & Commun. Engg
9. Smt. N. Premalatha Endowment Medal Lady Topper in	Electronics & Communication
10. Dr. K.P. Srinivasa Setty Endowment Medal	Overall Topper in Mechanical
	Engg. Science
11. Sri. Chandrashekar Endowment Medal	Overall Topper in Civil Engg.
	Science
12. Late. P.Srinivasaiah Endowment Medal	Overall Topper in Computer
	Science & Engineering
13. Smt. Puttalingamma & Sri Honnegowda Endowment Medal	Overall Topper in Surveying
14. Sri Anniganahally Thammaiahsetty Endowment Medal	Topper in Engineering
	Mathematics
15. Sri B.L Sathyanarayana Memorial Endowment Medal	Topper in Work study &
	Ergonomics of B.E(I&P Engg)
16. Dr. S.Venugopalachar Memorial Endowment Medal Differently Abled	Under Graduate Student

### NPTEL COURSES BY FACULTY

S.no	Roll number	Faculty Name	Course id	Tracking id
1	NPTEL18GE12S11600057	KODANDARAMA	noc18-ge12	
2	NPTEL18CS51S11680102	DR. VINAY S	noc18-cs51	ET353104941IN
3	NPTEL18EE37S11680016	VINAY KUMAR H S	noc18-ee37	ET072099945IN
4	NPTEL18EE37S11680154	A N ASHRAYA	noc18-ee37	ET072099945IN
5	NPTEL18CS30S11150992	PHALANETRA H S	noc18-cs30	ET072099945IN
6	NPTEL18EE37S11680100	SAHANA RAJ B S	noc18-ee37	ET359297410IN
7	NPTEL18EE37S11680136	DR. PUNITH KUMAR M B	noc18-ee37	ET072099945IN

### **31. Financial information: Funds Received & Spent**

Funds Received: Rs.14, 01, 45,083/-

Fund Spent: Rs. 14, 01, 45,083/-

### **32. Internal revenue generated**

Internal Revenue Generated from the all sources (Institution): Rs.18, 85,576

From TEQIP –III: 22, 22,593/-

From Biofuel Centre: 1, 20,000/-