P.E.S. COLLEGE OF ENGINEERING

MANDYA – 571 401, KARNATAKA

(An Autonomous Institution affiliated to VTU, Belagavi)
Grant-in-Aid Institution (Govt. of Karnataka), Approved by AICTE, New Delhi,
World Bank Funded Institution (TEQIP), UG Programs Accredited by NBA,
Accredited Institution by NAAC, 161th Rank in NIRF-2019 Ranking.

INTERNAL QUALITY ASSURANCE CELL

IQAC : PESCE, Mandya

ANNUAL QUALITY ASSURANCE REPORT

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
P.O. Box No. 1075, Nagarbhavi
Bangalore – 560072, INDIA

NOVEMBER – 2019

P.E.S. COLLEGE OF ENGINEERING

MANDYA – 571 401, KARNATAKA, INDIA

(An Autonomous Institution affiliated to VTU, Belagavi)

Dr. H. V. RAVINDRA, Ph.D., FIIPE., FIE., MISTE
PRINCIPAL
Phone No. : 99860 25372

Office: 08232-220043
E-Mail : principal@pesce.ac.in
E-Mail : mailhovera@gmail.com

PESCE/IQAC/AQAR/01/2018-19 Date: 11-11-2019

To,

The Director,
National Assessment and Accreditation Council (NAAC)
PO Box No. 1075, Nagarabhavi,
Bengaluru – 560 072

Dear Sir,

Sub: Submission of Annual Quality Assurance Report (AQAR) 2018-19 in respect of PES College of Engineering, Mandya – 571 401

Greetings from PES College of Engineering, Mandya – 571 401

PESCE Mandya has been accredited by National Assessment and Accreditation Council (NAAC) with CGPA of **2.99** on four point scale at "**B++**" grade valid from 16-08-2018 and upto 15-08-2023.

Internal Quality Assurance Cell (IQAC)

As per the guidance of NAAC, an Internal Quality Assurance Cell (IQAC) has been constituted under the chairmanship of Principal PESCE as a post accreditation quality sustenance and enhancement measures.

PESCE - Annual Quality Assurance Report (AQAR)

Annual Quality Assurance Report (AQAR) for the academic year 2018-19 is prepared as per the guidelines of NAAC. The AQAR of our institute is prepared by our college IQAC for the year 2018-19 from 1st July 2018 to 30th June 2019. The data compiled from our college office and other department records is true to the best of our knowledge and belief. The AQAR report along with necessary enclosures is submitted herewith for kind information.

Kindly acknowledge the same and oblige.

With warm Regards

IQAC Coordinator
(Dr. Shivalinge Gowda)

Principal
(Dr. H. V. Ravindra)

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Autonomous Colleges)

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution: P.E.S. COLLEGE OF ENGINEERING

- **Name of the Head of the institution : Dr. H. V. RAVINDRA**
- **Designation : Principal**
- Does the institution function from own campus : YES
- Phone no./Alternate phone no. : 08232-220043
- Mobile no. : 91 9986025372
- Registered Email : Principal@pesce.ac.in
- Alternate Email : mailhovera@gmail.com
- Address : P.E.S. College of Engineering,
  K V Shankaragowda Road,
  Mandya – 571 401, Karnataka, India.
- City/~~Town~~ : Mandya
- State/~~UT~~ : KARNATAKA
- Pin Code : 571 401

2. Institutional status:

- Autonomous Status : 01-08-2008 and revised on 10/10/2019
  (provide the date of Conformant of Autonomous Status)
- Type of Institution: Co-education/Men/Women : Co – education
- Location : Rural/Semi-urban/Urban : Semi-urban
- Financial Status : Grants-in aid, UGC 2f and 12 (B) and Self financing
  (please specify: Grants-in aid/ UGC 2f and 12 (B)/ Self financing)

- Name of the IQAC Co-ordinator/Director : Dr. Shivalinge Gowda
- Phone no. /Alternate phone no. : 08232 220043 Extn 260
- Mobile no. : 9449679429
- IQAC e-mail address : iqac@pesce.ac.in
- Alternate Email address : sgowdapesce@yahoo.com

3. Website address : http://www.pescemandya.org/IQAC.php
Web-link of the AQAR : (Previous Academic Year):

4. Whether Academic Calendar prepared during the year? : Yes

if yes, whether it is uploaded in the Institutional website

Weblink : http://www.pescemandya.org/calender.php

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	B++	2.99	2018	from:16-08-2018 to: 15-08-2023

6. Date of Establishment of IQAC : 29/11/2016

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Revision of curriculum for Choice Based Credit System with OBE & elective courses for UG programs	04-08-2018	25
Applying for NIRF – Ranking	30-11-2018	**25**
Preparation of PESCE: IQAC – AQAR of 2018-19, Development and application of quality bench marks for Quality enhancement	19-01-2019	27
Formation of IQAC committee as per the New guidelines of NAAC & Discussion about plan of action on Peer team report	30-03-2019	29
Discuss about NBA accreditation for other UG programmes and conduction of Pedagogy training programmes	30-03-2019	29
Academic Administrative Audit (AAA) conducted and its follow up action are discussed	14 & 15/09/2018	141

Analysis of Feedback from the Students on Faculty and action taken for the improvement	November 2018 & June 2019	207

Note: Some Quality Assurance initiatives of the institution are:
(Indicative list)

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance*
- *Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
PES College of Engineering	TEQIP-2	MHRD/ World Bank	April 2011 to September 2016	10.0 Crore
PES College of Engineering	TEQIP-3	MHRD/ World Bank	April 2018 to September 2020	7.7 Crore
Dr. M. C. Padma	Project	VGST	2015-19	20,00,000/-
Dr. S L Ajit Prasad	Project	AICTE	2017-20	10,00,000/-
Dr. Minavathi	Project	VGST K-FIST LEVEL (1)	2017-20	20,00,000/-
Mr. M J Anand	Project	VGST (SMYSR)	2017-20	5,00,000/-

9. Whether composition of IQAC as per latest NAAC guidelines : Yes
*upload latest notification of formation of IQAC : iqac@pesce.ac.in

10. No. of IQAC meetings held during the year : 3
The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website : Yes
(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? : No

12. Significant contributions made by IQAC during the current year (maximum five bullets)

- Infrastructure – PESCE-IQAC suggested providing new equipments for the laboratories, thereby our students are exposed to new technology.
- Teaching Learning – Faculty are encouraged to use ICT facilities for better Teaching – learning and are motivated to interact with students by seminars, group discussions, test etc, and faculty have undergone one week pedagogy training at IIT, Madras.
- Academic audit – Every Year, Academic Audit was conducted by a committee and encourage the faculty to improve their performance and motivated them to carry research, apply for project proposals and acquire Ph.D.
- Motivation – Faculties are motivated by providing financial support for the submission of research papers in reputed Journals, Research experience during Ph.D and participating in various FDPs, Seminars, Conferences etc.,
- Training & Placement Centre – Through TPC, Soft skill and various training programs are conducted for the students from I- Sem to VI – Sem to enable them to get placed in reputed companies

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
a. Revision of syllabus for B.E. programmes with inclusive of Elective courses and soft skill training programmes	a. Revision of syllabus and inclusive of elective courses are done and soft skill training programmes are introduced as credit courses from 1st to 6th Sem of B.E programmes
b. Encourage to take up Internship in reputed companies and innovative projects	b. Increases in industry internship and projects from industry through industry-institute interaction programs conducted
c. Proposal for nirf ranking	c. 161th rank is achieved from nirf from MHRD during 2019
d. Progress regarding Results and Research work as well as placement	d. Significant improvements in results, research through publication of papers and producing Ph,Ds and students were placed in reputed companies.
e. Submission of pre-qualifier for the rest of the programmes for NBA accreditation	e. Discussion are made to prepare the Pre-qualifier for two UG and few PG programmes

14. Whether the AQAR was placed before statutory body? : Yes

Name of the Statutory body : Academic Council Meeting (ACM)
Date of meeting(s) : 28-10-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? **:** Yes,
Date : 27& 28 August 2019 by chairman , UGC, Autonomous extension committee

16. Whether institutional data submitted to AISHE: : Yes

Date of Submission/ Year: 2018

17. Does the Institution have Management Information System? **:** Yes

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

Management information system (MIS) :

a) e-CAP software: MIS in PESCE works on e-cap software which is used in managing the student's admission details. The information collected by the student will be stored and secured in a centralised server for further access and process. Details of students includes' the name of the student, student ID, student previous records details like year of passing, pre university board details, parents details admission details, category and branch to which he/she is admitted to.

b) KOHA Open source software : In the department of library and information centre Koha Open source software is used since 2017. Koha is the first free software library automation package. KOHA'S feature set continues to evolve and expand to meet the needs of its user base.

In our library, KOHA is a true enterprise-class ILS with comprehensive functionality including basic and advanced options. Koha includes modules for acquisitions, circulation, cataloguing, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more. KOHA will work for consortia of all sizes, multi-branch, and single-branch libraries. KOHA has a large number of available languages, with more languages every year.

Library Standards Compliant. Koha is built using library standards and protocols such as MARC 21, UNIMARC, z39.50, SRU/SW, SIP2, SIP/NCIP, ensuring interoperability between KOHA and other systems and technologies, while supporting existing workflows and tools.

Web-based Interfaces. KOHA'S OPAC, circ, management and self-checkout interfaces are all based on standards-compliant World Wide Web technologies–XHTML, CSS and JavaScript –making KOHA a truly platform-independent solution.

Free Software / Open Source. Koha is distributed under the Free Software General Public License (GPL) version 3 or later.

c) The autonomous examination software: It is well maintained by the office of the Controller of Examinations. This software fulfils requirements of the examination process as listed below.

- The registration of the students, Student attendance and Continuous Internal Evaluation (CIE) marks has been done through this application; it is used only for examination purpose.
- Semester End Examination marks are entered through online from data entry operators.
- Results are compiled based on CIE and SEE marks. SEE marks are reduced to 50 marks and other 50 marks for CIE. Final marks is calculated total of 100 marks for each subject.

- Result sheets are generated and declared by considering the validated data. Grade Cards are generated through application contains necessary information along with security features.
- Course Completion certificates, Transcripts and Provisional Degree Certificates are generated based on the PESCE examination regulations.
- Semester wise, branch wise, subject wise result analysis are done through this software.

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CRITERION I - CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 Programmes for which syllabus revision was carried out during the Academic year

Name of programme	Programme Code	Programme Specialisation	Dates of revision
UG : B.E	AUE	P18AU** (3rd and 4th Sem) P17AU** (5th and 6th Sem)	10/06/2019 10/06/2019
UG : B. E	CVE	P18CV** (3rd and 4th Sem) P17CV** (5th and 6th Sem)	27/04/2019 27/04/2019
UG : B.E	CSE	P18CS** (3rd and 4th Sem) P17CS** (5th and 6th Sem)	03/05/2019 03/05/2019
UG : B.E	ECE	P18EC** (3rd and 4th Sem) P17EC** (5th and 6th Sem)	04/04/2019 04/04/2019
UG : B.E	EEE	P18EE** (3rd and 4th Sem) P17EE** (5th and 6th Sem)	30/07/2019 30/07/2019
UG : B.E	IPE	P18IP** (3rd and 4th Sem) P17IP** (5th and 6th Sem) P15IP** (7th and 8th Sem)	08/06/2019 08/06/2019 08/06/2019
UG : B.E	ISE	P18IS** (3rd and 4th Sem) P17IS** (5th and 6th Sem)	19/03/2019 19/03/2019
UG : B.E	ME	P18ME** (3rd and 4th Sem) P17ME** (5th and 6th Sem)	15/05/2019 15/05/2019
PG - M.Tech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	P18** (1st Sem to 4th Sem)	04/08/2018
PG - MBA	MBA	P18** (1st Sem to 4th Sem)	08/03/2017
PG - MCA	MCA	P18** (1st Sem to 6th Sem)	27/03/2018

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
BE- I Sem	01-08-2018	Elementary English and Persona Evolution (EEPE)- P18HU18	01-08-2018
BE - II Sem	01-08-2018	Advanced English and Persona Evolution (AEPE)- P18HU28	15-01-2019
BE - III Sem	01-08-2018	Aptitude Competence and Professional Augmentation – I (ACPA- I)- P18HU39	01-08-2018
BE - IV Sem	15-01-2019	Aptitude Competence and Professional Augmentation – II (ACPA- II)- P18HU49	15-01-2019
BE - V Sem	01-08-2018	Professional and Efficient Avocation – I (PEA - I)- P18HU59	01-08-2018
BE = VI Sem	15-01-2019	Professional and Efficient Avocation – II (PEA - II)- P18HU69	15-01-2019

BE (AUE) - III Sem	01-08-2018	Engineering Mathematics – III -P18MA31	01-08-2018
		Mechanics of Materials - P18 AU 32	
		Thermodynamics - P18 AU 33	
		Material Science & Metallurgy - P18 AU 34	
		Manufacturing Methods- P18 AU 35	
		Fluid Mechanics- P18 AU 36	
		Foundry & Forging Lab- P18 AUL 37	
		Metallography & Material Testing Lab - P18 AUL 38	
		* Indian Constitution, Human Rights & Professional Ethics- P18HUDIP310	
		*Additional Maths-I- P18MADIP31	
BE (AUE) -IV Sem	15-01-2019	Engg Mathematics-IV - P18MA41	15-01-2019
		Design of Machine Elements-I- P18 AU 42	
		Theory of machines - P18 AU 43	
		Automotive Engines and Components- P18 AU 44	
		Measurement and Metrology - P18 AU 45	
		Heat Transfer - P18 AU 46	
		Computer Aided M/c Drawing 2D- P18 AU L47	
		Machine shop Practice - P18 AU L48	
		*Environmental Studies- P18EVDIP49	
		*Additional Mathematics-II - P17MADIP41	
BE (AUE) - V Sem	01-08-2018	Industrial Management and Entrepreneurship P17AU51	01-08-2018
		Design of Machines Elements-I P17AU 52	
		Automotive Engines and Components- P17AU 53	
		Theory of Machines-II- P17AU 54	
		Auxiliary System of Automotive Engines- P17AU 551	
		Automotive Fuel and Combustion -P17AU 561	
		Engine and Components Lab- P17AU L57	
		Modeling and Analysis Lab -P17AU L58	
		Industrial Visit & Interaction- P17AU510	
		Aptitude and Reasoning Development- Advance (ARDA) - P17AU511	
BE (AUE) - VI Sem	15-01-2019	Automotive Chassis and Suspension -P17AU 61	15-01-2019
		Automotive Transmission- P17AU 62	
		Design of Machines Elements-II- P17AU 63	
		Mechanical Vibrations -P17AU 64	
		Automotive Electrics and Autotronics- P17AU 651	
		Operation Research - P17AU 661	
		Automotive Chassis and Transmission Lab- P17AU L67	
		Automotive Electricals and Autotronics Lab - P17AU L68	
		Mini Project -P17AU610	
		Aptitude and Reasoning Development- Expert(ARDE)- P17AU611	

B E (CSE) -III Sem	01-08-2018	Data Structures -P17CS33	01-08-2018
		Data Structures Lab- P17CSL37	
		Object Oriented Programming with C++ - P17CS35	
		Industry Interaction- P17CSL310	
		Constitution of India and Professional ethics- P17HM311	
B E (CSE) - IV Sem	15-01-2019	Analysis and Design of Algorithms - P17CS44	15-01-2019
		Analysis and Design of Algorithms Lab- P17CSL47	
		Unix System Programming- P17CS45	
		Microprocessor & Lab- P17CS46, and P15CSL57	
		Mini project-P17CSL410	
B E (CSE) - V Sem	01-08-2018	Operating System - P15CS51	01-08-2018
		Operating System Lab- P15CS68	
		Data Base Management System- P15CS52	
		Data Communication - P15CS53	
		System Software- P15CS54	
		Computer Graphics and Visualization- P15CS55	
		Management, Entrepreneurship& IPR - P15CS56	
		System Software and Script lab- P15 CSL58	
		Industry Interaction-II- P15CSL510	
B E (CSE) - VI Sem	15-01-2019	Web Technologies- P15CS61	15-01-2019
		Computer Networks- P15CS62	
		Compiler Design - P15CS63	
		Advanced Computer Architecture - P15CS64	
		Software Engineering- P15CS65	
		Elective – I Group A- P15CS66*	
		Computer Graphics Lab- P15CSL67	
		Mini Project-II- P15CS610	
B E (CSE) -VII Sem	01-08-2018	Distributed Computing Systems- P15CS71	01-08-2018
		Object Oriented Modeling & Design- P15CS72	
		Multi Core Architecture & Parallel Programming- P15CS73	
		Wireless Technology- P15CS74	
		Elective – II Group B- P15CS75*	
		Elective – III Group C- P15CS76*	
		Networks Laboratory- P15CSL77	
		Web & Java Prog. Lab.- P15 CSL78	
B E (CSE)- VIII Sem	15-01-2019	Cryptography & Network Security- P15CS81	15-01-2019
		Internet of Things- P15CS82	
		Elective – IV Group D- P15CS83*	
		Elective – V Group E- P15CS84*	
		Project work –Phase II- P15CS86	
		Internship - P15CS85	
B E (EC) - III Sem	01-08-2018	Analog Electronic Circuits (CC-2)- P17EC32	01-08-2018
		Digital Electronic Circuits (CC-3)- P17EC33	
		Electronic Instrumentation (CC-4)- P17EC34	

		Network Analysis & Synthesis (CC-5)- P17EC35	
		Signals and Systems (CC-6)- P17EC36	
		Digital circuits design laboratory- P17ECL37	
		Analog Electronics laboratory- P17ECL38	
B E (EC) - IV Sem	15-01-2019	Analog and Digital Communication(CC-2)- P17EC42	15-01-2019
		Digital Design Using Verilog HDL(CC-3)- P17EC43	
		Digital Signal Processing(CC-4)- P17EC44	
		Microcontroller(CC-5)- P17EC45	
		Electromagnetic Field Theory(CC-6)- P17EC46	
		Microcontroller Laboratory- P17ECL47	
		Digital Design Using Verilog HDL Laboratory- P17ECL48	
B E (EC) - V Sem	01-08-2018	Optical Communication Systems(CC-1)- P15EC51	01-08-2018
		Digital CMOS VLSI Design (CC-2)- P15EC52	
		Information Theory and Coding (CC-3)- P15EC53	
		Control Systems (FC-1) - P15EC54	
		Foundation Elective- P15EC55	
		Elective-I- P15EC56	
		Digital signal processing laboratory- P15ECL57	
		Optical & Analog Communication laboratory- P15ECL58	
		Industry Visit & Interaction- P15EC59	
		Aptitude and Reasoning Development –Advanced. (ARDA)- P15HU510	
B E (EC) - VI Sem	15-01-2019	Digital Design using Verilog HDL(CC-1)- P15EC61	15-01-2019
		Computer Communication Networks (CC-2)- P15EC62	
		Microwave and Antennas (CC-3)- P15EC63	
		Digital Communication (FC-2) - P15EC64	
		Elective-II- P15EC65	
		Elective-III- P15EC66	
		Verilog HDL Laboratory- P15ECL67	
		Microwave and Digital Communication Laboratory- P15EC68	
		Mini Project- P15EC69	
		Aptitude and Reasoning Development – EXPERT (ARDE)- P15EC610	
B E (EC) - VII Sem	01-08-2018	Analog CMOS VLSI Design (CC-1))- P15EC71	01-08-2018
		Digital Image Processing(CC-2))- P15EC72	
		Embedded and Real Time Systems(CC-3))- P15EC73	
		Elective-IV- P15EC74	
		Open Elective-I- P15EC75	
		Analog and Digital VLSI Design Laboratory- P15ECL76	
		Computer Communication & Protocol laboratory-	

		P15ECL77	
		Project Work Phase – I- P15EC78	
B E (ECE) - VIII Sem	15-01-2019	Wireless Communication Technologies(CC-1)- P15EC81	15-01-2019
		Elective-V- P15EC82	
		Elective-VI- P15EC83	
		Open Elective-II- P15EC84	
		Project Work Phase – II- P15EC85	
		Internship - P15EC86	
		Comprehensive Communication Development(CCD)-P18HUDIP310	
		Indian Constitution, Human rights and Professional Ethics(ICHRPF)-P18HUDIP311	
		Environmental Studies-P18EVDIP50	
B E (IP) - V & VI - Sem	01-08-2018 15-01-2019	Aptitude and Reasoning Development Advanced(ARDA)-P17IP510	01-08-2018 15-01-2019
		Management & Entereneurship-P17IP51	
		Workstudy & Ergonomics-P17IP52	
		Mini Project-P17IP69	
		Aptitude and Reasoning Development Expert(ARDE)-P17IP610	
B E (ISE) - III Sem	01-08-2018	Transform calculus, Fourier and numerical techniques- P18MA32	01-08-2018
		Digital Design- P18IS32	
		Data Structures and Algorithms- P18IS33	
		Discrete Mathematical Structures- P18IS34	
		Computer Organization & Architecture- P18IS35	
		Object Oriented Programming with Java- P18IS36	
		Data Structures Lab- P18ISL37	
		Digital Design Lab- P18ISL38	
		Additional Maths-I- P18MADIP31	
		Constitution of India & Professional Ethics- P18HM311	
B E (ISE) - IV Sem	15-01-2019	Complex analysis, statistics, probability and numerical techniques- P18MA41	15-01-2019
		Database Management System- P18IS42	
		Finite automata & formal languages- P18IS43	
		Analysis and Design of Algorithms- P18IS44	
		Software Engineering- P18IS45	
		AVR Microcontroller (FC-II)- P18IS46	
		Design and Analysis of Algorithms Lab- P18ISL47	
		Java Programming Lab- P18ISL48	
		*Additional Maths – II- P18MADIP41	
		Environmental Studies- P18EVDIP40	
B E (ISE) - V Sem	01-08-2018	Database Management System- P15IS51	01-08-2018
		Data Communications- P15IS52	
		Software Testing- P15IS53	
		Python Programming- P15IS54	
		Foundation Elective- P15IS55*	

		Elective-I- P15IS56*	
		Python Programming Lab- P15ISL57	
		Database Management System lab- P15ISL58	
		Industry Visit & Interaction (Certification Course)- P15IS59	
		Aptitude and Reasoning Development – ADVANCED. (ARDA)- P15IS510	
B E (ISE) - VI Sem	15-01-2019	Object Oriented System Development- P15IS61	15-01-2019
		Computer Networks- P15IS62	
		Internet of things- P15IS63	
		Data Science- P15IS64	
		Elective-II- P15IS65*	
		Elective-III- P15IS66*	
		N/w Lab- P15ISL67	
		Internet of things Lab- P15ISL68	
		Mini Project- P15IS69	
		Aptitude and Reasoning Development – EXPERT(ARDE)- P15IS610	
		Object Oriented System Development- P15IS61	
B E (ME) – IV Sem	15-01-2019	Mechanical measurements & Metrology-P18ME43	15-01-2019
B E (ME) – V Sem	01-08-2018	CAD/CAM-P17ME54	01-08-2018
		Industrial Automation-P17ME552	
		Mechatronics & Microprocessor-P17ME561	
B E (ME) – VI Sem	15-01-2019	Finite Element Method-P17ME64	15-01-2019
B E (ME) – VII Sem	01-08-2018	Management & Entrepreurship-P15ME72	01-08-2018
		Hydrolics & Pneumatics-P15ME742	
		Operation Research-P15ME752	
		Renewable Energy Technology-P15ME753	
B E (ME) - VIII Sem	15-01-2019	Industrial Robotics-P15ME81	15-01-2019
		Additive Manufacturing Techniques-P15ME842	
BE – (EE) IV Sem	15-01-2019	Microcontrollers P18EE43	15-01-2019
		Op-Amp & Linear ICs-P18EE46	
BE – (EE) V Sem	01-08-2018	Power Electronics-P17EE51	01-08-2018
		Linear Control Systems-P17EE52	
		Industry Visit & Interaction-P17EE59	
BE – (EE) VI Sem	15-01-2019	Programmable Logic Controllers-P17EE661	15-01-2019
		Design of Control System-P15EE663	
		Advanced Power Electronics-P15EE662	
		Embedded Systems-P17EE653	
BE – (EE) VII Sem	01-08-2018	Flexible AC Transmission Systems-P13EE741	01-08-2018
		Testing & Commissioning of Electrical Equipments-P13EE743	
		Fuzzy Logic-P13EE752	
		Project work phase –I-P15EE78	
BE – (EE) VIII Sem	15-01-2019	Energy Auditing and Demand Side Management - P15EE821	15-01-2019
		Renewable Energy Source-P15EE81	
		Modern Power System Protection-P15EE822	

		Smart Grid-P15EE823	
		Artificial Neural Network-P15EE824	
		Internship-P15EE86	
		Project work phase –II-P15EE85	
MCA - I Sem	01-08-2018	Introduction to Web Technologies-P18MCA15	01-08-2018
MCA - V Sem	01-08-2018	IOT-P18MCA533	01-08-2018
		Machine Learning-P18MCA534	
		Mobile Application Development-P18MCA544	
MBA - I Sem	01-08-2018	Effective Communication Development(ECD)-P19MBA18	01-08-2018
MBA - II Sem	15-01-2019	Professional Communication Development(PCD)-P19MBA29	15-01-2019

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction	
Open Elective Courses	Even Sem B E II & IV MCA, II &IV MBA, II M. Tech	02-01-2019
	IV M. Tech	31-12-2018
	ODD Sem Ist Year B E	13-08-2018
	I. M. Tech, I. MCA, I. MBA	09-10-2018
	III,V,VII Sem B.E III & V MCA, III MBA, III M. Tech	14-07-2018

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of Programmes adopting CBCS		Date of implementation of CBCS / Elective Course System	
UG	**PG**	**UG**	**PG**
All B.E programs *Choice Based Credit System (CBCS)*	Nil	1st August 2015	Nil
Elective Course System	*Elective Course System*	1st August 2015	*Elective Course System*
Already adopted (mention the year): 2015(UG)			

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
P18HU18 - Effective Communication Development (ECD)	July 2018	643
P18HM19 - Indian Constitution, Human Rights & Professional Ethics (ICHRPE)	July 2018	643
P18EV19 - Environmental Studies	July 2018	643
P18HM110 - Language (Kan.)	July 2018	643
P18HU39 - Aptitude and Reasoning Development - Basics (ARDB)	July 2018	745
P18HU49 - Aptitude and Reasoning Development - Intermediate (ARDI)	July 2018	745
P18XXX58 -Skill Oriented Laboratory - I	July 2018	732
P18HU59 - Aptitude and Reasoning Development - Advance (ARDI)	July 2018	732
P18HU58 - Technical Skills - I	July 2018	732
P18XXX68 - Skill Oriented Laboratory	July 2018	732
P18HU69 - Technical Skills - II	July 2018	732
P18XX83 - Internship	July 2018	673
P18XX85 - Self-study course & Seminar	July 2018	673
P18XX78 – Project work phase –I **P18XX84** – Project Work Phase -II	July 2018	673

1.3.2 Field Projects / Internships under taken during the year	
Project/Programme Title	No. of students enrolled for Field Projects / Internships
AU : Internships	28
CV : Field Projects	146
CS : Projects	45
EC : Internships	105
EE : Internships	161
IP : Internships Projects	06 07

IP : Internships	31
ME : Internships Projects UG &PG	155 124, 18
PG - MBA : Internships	58
PG – MCA : Projects (Viva-Voce)	84
Department of Electronics & Communication Engineering	
SOCDV TECH Pvt. Ltd., Bangalore	22
Interella Software Services, Mysore	04
Ellipse Technologies,Mysore	01
Qspider Campus Connect, Bangalore	39
Bharat Sanchar Nigam Ltd, Mysuru	02
Gate Training Program, Bangalore RTTC, Mysuru	22
L&T Electrical & Automation, Mysore	02
Spatez Technology LLP, Thrissur	01
intrella Software Services, Mysore	06
Kaynes Technology, Mysore	07
Bharat Sanchar Nigam Limited, Mysuru	01
Continental, Bangalore	06
Symbio Consults,Bangalore	01
All India Institute of Speech and Hearing, Mysuru	04
Bharat Electronics Ltd, Bangalore	01
Lowe's Services India Pvt.Limited,Bengaluru	02
Shapetronics Services Pvt.Ltd, Mysore	05
L&T Electrical & Automation, Mysore	04
Semrush Academy Digital Marketing Education & Certification	01
RTTC Mysuru & Gate Academic, Bangalore	01
Tekvity Technology Productivity, Bangalore	01
Texas Instruments, Bangalore	01
Kirloskar Ferrous Industries Limited, Koppal	01
Department of Electrical & Electronics Engineering	
Internship	
KPTCL (22 kV SRS Hottagalli, 66/11 kV GIS Substation) from 22/6/18 to 27/6/18	17
220/66 /11 kV Receiving and Substation Tubinakere, Mandya from 25/06/2019 to 2/07/2019	08
GIS kalamandir from 02-03-2019 to 03-03 2019	23
220/66/11kv Vajamangala R/S from 30-01-2019 to 31-01-2019	23
66/11KV GIS Kalamandir from 15-07-2019 to 16-07-2019	10
Maani Dam Power house Maasthikatte on 15-10-2018	80

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

The feedback obtained from all its stakeholders are reviewed and incorporated for all the department of the institute through institute established system. The system shall ensure development of curriculum for effective implementation through well planned system. Curriculum Design and Development Process is evolved from Institute & Department's Vision & Mission, Program Educational Objectives (PEOs) & Program Specific Outcomes (PSOs), Course Curriculum COs (Department) & POs with the input of Academic Advisory Committee (AAC) & Feedback from Stakeholders. This has to be endorsed by Board of Studies (BoS), Dean Academic Office (DAO) & Academic Council and finally approved by Governing Council for implementation.

Students: Feedback is taken from the students at the end of each semester for each subject as course end survey. The same is reviewed and necessary corrective measures will be taken, if necessary. Further, the feedback is also taken during students' counselling meetings.

Teachers: Feedback from the teachers is taken during the staff meetings at the department level as well as during BoS meetings. The Head of the Department (HoD) discuss the same at the HoDs/ Academic Advisory Committee. The outcome of the discussion is conveyed to the faculty members as well as to the office of academic Dean.

Employers: Employers are requested to give the feedback regarding the curriculum during Syllabus revision. This will take place during the conduction of BoS meetings at the department level as Industry experts are invited as BoS members for revision/reform/inclusion of the course/syllabus contents at BoS meetings. After lot of deliberations at Academic Advisory Committee and BoS, the revised syllabus will be approved at the Academic council meetings.

Alumni: Alumni are requested to give the feedback regarding the curriculum during Syllabus revision. This will take place during the conduction of BoS meetings at the department level, as Alumni are invited as BoS members for revision/reform/inclusion of the course/syllabus contents at BoS meetings. Further, their inputs are also taken during the alumni meet. After lot of deliberations at Academic Advisory Committee and BoS, the revised syllabus will be approved at the Academic council meetings.

Parents: Parents are requested to give their feedback during the parents meet which is conducted once in a year. Feedback is taken from them at the end of each year about courses also along with their wards academic performance survey. The same is reviewed and necessary corrective measures will be taken, if necessary.

In total, with feedback from all the stakeholders, the curriculum for the respective program will be approved by the Academic Council with deliberations.

CRITERION II : TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
BE	670	638	638
M.Tech	126	60	60
MBA	60	60	60
MCA	60	12	12

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018 -19	2793	349	170	37	72

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
207	175	Laptop, Wi-Fi, Google Drive, NPTEL lectures, Web links (73)	60	13	Video lectures, Power Point Presentations and NPTEL

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes;

Mentoring system is active in our institution. Mentors will have interaction with the students and monitor their progress. Mentoring system bridges the gap between the teachers and students. This is adapted for the value additions to the students like;

- Creation of a better environment in college, where students can approach teachers for both educational and personal guidance,
- Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication.
- Motivation, Awareness and support to students for competitive examinations for higher studies/ Post Graduation or Civil Services examination like; GATE, GRE, CAT, TOFEL and

other Govt. & PSUs examinations.
- Motivation, Awareness and support for entrepreneurship.
- Advice and support for improvement in academic performance.
- Ongoing process: Regular meetings are held between mentor and Students.
- A record/report is maintained for each student. This has both personal and academic data.
- Students are allowed to approach the mentor for both academic & personal problems.
- Personalized/individual professional /career advice is given to the each student.

Further,

- ✓ Every student will be under the guidance and care of a faculty-mentor who will become local guardian for that student.
- ✓ In all the departments, each faculty is assigned with 15 -20 students (based on programme intake strength) for mentoring, in odd semester in each batch.
- ✓ Mentor helps the students for their academic and other progress and council them periodically.
- ✓ Mentor guides the students in selecting proper open elective subjects on their performance.
- ✓ Mentor guide the students to actively participate in soft-skill programs and placement activities conducted by training and placement centre.
- ✓ Mentor should guide the students to participate in co-curricular and extra-curricular activities on their talents.
- ✓ The mentor will also discuss with the parents about the attendance and academic progress of their ward through the head of the department.
- ✓ The mentor will maintain the academic and other records such as sports, cultural, etc., of each student.

Student mentoring plays a vital role in a student's life. Hence the students are advised to meet their mentor frequently and discuss their problems. Mentor also take care about the information on progress and achievements and are recorded in record book.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
3142	207	1:15

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
207	207	00	10	53

2.4.2 Honours and recognitions received by teachers
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award		Name of full time teachers receiving awards from state level, national level,		Designation	Name of the award, fellowship, received from Government or

		international level			recognized bodies
2019	National	Dr. S.L. Ajithprasad	Best Teacher Award	Associate Professor	Kannada Saithya Parisath
2018-19	National	Dr. B.S. Shivakumar	Best ISTE Chapter Chairman	Associate Professor	ISTE National faculty convention held at kottayam, Kerala
Jul-Oct 2018	National	Anand M. J	NPTL Certificate of Appreciation for the role as SPOC for the Swayam-NPTEL Local Chapter	Assistant Professor	NPTEL
Jan-Apr 2019	National	Anand M. J	NPTL Certificate of Appreciation for the role as SPOC for the Swayam-NPTEL Local Chapter	Assistant Professor	NPTEL

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year-end examination
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	I III V VII	08-01-2019 04-01-2019 05-01-2019 02-01-2019	12-01-2019 10-01-2019 12-01-2019 10-01-2019
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	II IV VI VIII	10-06-2019 13-06-2019 12-06-2019 04-06-2019	19-06-2019 21-06-2019 20-6-2019 15-06-2019
M.Tech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	III	20-12-2018	28-12-2018
M.Tech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	I	30-01-2019	06-02-2019
M.Tech	MECE, MCAD,	II	07-06-2019	15-06-2019

	MCIM. MMDN, MCSE, MCEN	IV		
MBA	MBA	I III	04-02-2019 04-01-2019	09-02-2019 12-01-2019
	MBA	II IV	12-06-2019 08-06-2019	20-06-2019
MCA	MCA	I III V	30-01-2019 05-01-2019 02-01-2019	05/02/2019 12/01/2019 12/01/2019
MCA	**MCA**	II IV VI	08-06-2019 10-06-2019 10-06-2019	17-06-2019 17-06-2019 17-06-2019

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Do not include re-evaluation/ re-totalling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
00	3142	00

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

1) http://www.pescemandya.org/ug.php 2) http://www.pescemandya.org/pg.php

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
4th Year B. E. (UG) Sem - VII				
B.E.	AU	31	28	90.32
B.E.	CV	143	143	100
B.E.	CS	122	115	94.26
B.E.	EC	140	137	97.86
B.E.	EE	48	47	97.92
B.E.	IP	37	37	100
B.E.	IS	31	29	93.55
B.E.	ME	124	124	100
4th Year B. E. (UG) Sem - VIII				
B.E.	AU	28	28	100
B.E.	CV	143	142	99.30
B.E.	CS	121	117	96.69
B.E.	EC	139	139	100
B.E.	EE	48	46	95.83

B.E.	IP	37	36	97.29
B.E.	IS	31	31	100
B.E.	ME	123	121	98.37
2nd Year (PG) Sem - III				
M.Tech	CAD	17	17	100
2nd Year (PG) Sem - IV				
M.Tech	CAD	17	17	100
2nd Year (PG) Sem - III				
M.Tech	VLSI	12	12	100
2nd Year (PG) Sem - IV				
M.Tech	VLSI	12	12	100
2nd Year (PG) Sem - III				
M.Tech	Machine Design	15	15	100
2nd Year (PG) Sem - IV				
M.Tech	Machine Design	16	16	100
2nd Year (PG) Sem - III				
M.Tech	CS	14	14	100
2nd Year (PG) Sem - IV				
M.Tech	CS	14	14	100
2nd Year (PG) Sem - III				
M.Tech	CIM	03	03	100
2nd Year (PG) Sem - IV				
M.Tech	CIM	03	03	100
2nd Year (PG) Sem - III				
PG	MBA	55	55	100
2nd Year (PG) Sem - IV				
PG	MBA	55	55	100
3rd Year (PG) Sem - V				
PG	MCA	59	56	94.92
3rd Year (PG) Sem -V I				
PG	MCA	59	58	98.30

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

In the context of Student Satisfaction Survey (SSS) on overall institutional performance, an Exit survey is being conducted at the end of each student's 4th year of graduation. Every student will be participating in this survey and expresses his/her views. The views of the students will be brought to the notice of the AAC for review.

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

Yes; The details are given below

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Dr. Sadashiva M (Dept. of ME)	75,000.00	2018-19	1 year
Dr. Vinay S	10000	2018-19	1 year
T M Geethanjali	5000	2018-19	1 year
Brahmesh S M	5000	2018-19	1 year
Rakshith N	5000	2018-19	1 year
Puttaswamy B S	10000	2018-19	1 year
Dr. H V Ravindra	5000	2018-19	1 year
K J Mahendra Babu	5000	2018-19	1 year
Dr. S Gopiya Naik	5000	2018-19	1 year
Dr. S Ghanaraja	5000	2018-19	1 year
Ullas P	5000	2018-19	1 year
Dr. S V Anilkumar	5000	2018-19	1 year
Dr. H V Ravindra	5000	2018-19	1 year
Sadashiva M	5000	2018-19	1 year
R Manjunatha	10000	2018-19	2 years
Dr. Nagarathna	5000	2018-19	1 year
Dr. M L Anitha	5000	2018-19	1 year
Dr. Umesh D R	5000	2018-19	1 year
Divyashree M	5000	2018-19	1 year
Rashmi M P	5000	2018-19	1 year
Ashwini B	5000	2018-19	1 year
Anand M J	10000	2018-19	2 years
Divakar H R	5000	2018-19	1 year
Dr. C J Gangadhara Gowda	5000	2018-19	1 year
Dr. S Ghanaraja	5000	2018-19	1 year
Raghavendra Babu T M	5000	2018-19	1 year
Sanjay H M	5000	2018-19	1 year
Shruthi P S	5000	2018-19	1 year
Jayashankara M	5000	2018-19	1 year
Dr. Punithkumar M B	5000	2018-19	1 year
Rakshith N	5000	2018-19	1 year
Prasanna P	5000	2018-19	1 year
Shivashankar S K	5000	2018-19	1 year
S Prasanna Kumar	5000	2018-19	1 year
Naveen Kumar S	5000	2018-19	1 year

Puttaswamy B S	5000	2018-19	1 year
Mahesh Kumar A S	5000	2018-19	1 year

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Dr. S L Ajithprasad	Best Teacher Award	15-08- 2019	Kannada Saithya Parisath
	Dr. B.S. Shivakumar	Best ISTE Chapter Chairman	27-01-2018	ISTE National faculty convention held at Kottayam, Kerala

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned in Lakhs	Amount received during the year in Lakhs
Major projects	2017-20	AICTE	10.00	10.00 (2017-18)
	2015-19	VGST	20.00	10.00 (2016-17) 10.00 (2017-18)
	2017-19	VGST(K-FIST LEVEL(1)	20.00	10.00 (2017-18)
Minor Projects	2017-19	VGST(SMYSR)	5.00	5.00 (2018-19)
Students Research Projects *(other than compulsory by the College)*	4-6 months	World Bank (MHRD)	6.87902	6.87902
Total in Lakhs			**61.87902**	**51.87902**

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years

Rs.: 275000/- Four ongoing research projects funded by Government

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year.

Title of Workshop/Seminar	Name of the Dept.	Date (s)

Hakathon	CS	9th Feb 2019
Project Exhibition	All UG & PG	13th & 14th June 2019
3D Printing	AU	03-08-2018
Vehicle Diagnosis		09-08-2018
Project Management	CV	04-07-2018
REVIT Software		30/10/2018
Industrial oriented Hardware design workshop	E&C	01-12-2018
Industrial oriented Hardware design workshop		07-07-2018
Electronic Circuits Design using EDA Tools		31/10/2018
Project Based Learning		15/09/18 (2nd Day)
Being Innovative and Entrepreneur		03-11-2018
Enhancing C Programming Skils		01-10-2018
Women's Day Celebration -2018		07-07-2018
IOT Based Electrical Technologies	EE	01-12-2018
TYPHON HIL TECHNOLOGY in association with QUARBZ info system		01-02-2019
IOT Based Electrical Technology		02/07/2018 to 07/07/2018
International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-18)		23-09-2018 To 24-09-2018
Applications of Lean Tools	I&P	05-10-2018
FSMKCamps'19	IS&E	20th - 24th January 2019
SHELL SCRIPTING		28th, March, 2019
Web Application Development using Node JS"		15th April to 17th April 2019
Machine / Deep learning with Matlab		22nd Aug. 2018
3rd International Conference on Emerging Research in Electronics, Computer Science and Technology	EC, CS&E, IS&E	23rd – 24th Aug 2018
Technical Talk in "Data Analytics" – An industry Perspective	IS&E	29th Sept. 2018
Three days Industrial Training on C Programming Puzzles		10th – 12th Oct. 2018
One Week FDP on " Applications of Data Science and Internet of Things		20th – 24th Jan. 2019
One Week FDP on "Fusion 360"	ME	One Week FDP on "Fusion 360"
One Week Workshop: Blockchain technology and cloud computing using Amazon web service	MCA	21-01-2019 to 25-01-2019
Technical Talk by Mohan Hanumanthappa, stamford USA on Technology and Leadership in		21-08-2018

IT Industry		
One Week Workshop: Blockchain technology and cloud computing using Amazon web service		21-01-2019 to 25-01-2019
3D Structural modelling	CV	22/03/2019
Technical update session on DGPS		16/03/2019
Campus to Corporate Training		23/02/2019
smart construction technology		11/02/2019
REVIT Software		30/10/2018
GIS remote Sensing & Here Maps		15/10/2018
Open road concept station		18/09/2018
Concrete- King of construction Materials		03/09/2018
International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-18)		23-09-2018 To 24-09-2018
HACKMANIA 1.0		9-02-2019
Review Committee Meeting	ME	23 Sept 2018
Technical Institution Meet held in Siemens Centre of Excellence		30 Nov 2018
Outcome Based Education and NBA		8 to 10 Oct 2018
TEQIP Phase-III office		24/10/2018
RTI		02/11/2018
Laboratory Awareness Programme		30th Nov 2018
MoU with University of Agriculture		27 Dec 2018
Visited in Mysore		11 Feb 2019
Discuss the Training Faculty Members		01 to 02 Feb 2019
SICTE Visit		03 April 2019
Visit of Autonomous Institutions Principals		30 April 2019
The Education expo-2019		14 - 15 June 2019
Heat Exchangers Design and Performance Evaluation in Power and Plants & Process Industry		11 to 14 June 2019
IQAC		03-09-2018
Cloud Computing with Amazon Web Services		15/11/2018
Skill Development (FACE)		22/09/2018
NBA for UNSIET		08-01-2019
Contribution to Agricultural Engineering		27/02/2019
SLA Survey		28/03/2019
Accounts, Tally and Preparation of Audit Reports for account staff working in SPIU and TEQIP-III Institutions		21/05/2019
Survey : Contract for consulting services		02/04/2019
Workshop IQAC		03/09/2018

E-Week	Placement Cell	02/10/2018
Research Literacy Academic Writing, E-Resources and Research Quality Indicators	Library	22/08/2018
Plagiarism and Measuring of Scientific Productivity		27/04/2019
Women's Day Celebration -2018	E&C	01/10/2018
Drives and Control	E&E	26/08/2018
Engine Design Emerging Technology	AU	06/12/2018
Technical Talk- Applications and Research Prospects of Thermodynamics	ME	16/02/2019

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
IOT application for agricultural electric cart	Samrat U Sandesh S Somayya Gangayya Mathapathi Vijayakumar S	PESCE, Mandya	14-06-2019	I Prize
Project on safe riding with nfc mode and anti-theft mechanism	Changappa P B Meghanarajeshwari J R Mohith K R Narayana P		14-06-2019	II
An experimental study on light transmitting concrete	Poornima D. Shailaja T Pooja H P Santosh G Sachidananda B	PESCE, Mandya	14-06-2019	I
Experimental study on ferrocement with coir fibre	Madhu B. Priyanka M.N. Karthik H.R. Arunkumar M.G Harshitha H.K	PESCE, Mandya	14-06-2019	II
Reclaimed asphalt pavement	Spandana Varun s chavan Priyanka M Pawan H S Prathvini B M		14-06-2019	III

Effect of Terrazyme on Geotechnical Properties of Red Soil	Akshay N Gowda Mohammed Eithesham Nandan Kumar M R Saurbh Kumar	PESCE, Mandya	14-06-2019	II
Cool Pavement Systems As A Mitigation Strategy of Urban Heat Island Effects	Dileep Kumar C B Shreyas H R Arshitha K Bi Bi Sara Sanganna			
Experimental Study on the Influence of Sisal Fiber Reinforcement on the Properties of Self Compacting Concrete	Vishankprabhugowda B K Joythi N Divyashree H K Anand G Santhosha D B			
Comparative study on seismic performance of simple steel frame and braced steel frame using shake table	Kavitha Raj	PESCE, Mandya	14-06-2019	I
Virtual classroom using augmented reality	Kaushik arakalgud S Vasuki varuna Y R Shreyas H. N. Sinchana M hadli	PESCE, Mandya	14-06-2019	I
Smart blind stick using IOT	Gowda tejas Harish M Mohammed ismail Khan S Prasanna		14-06-2019	II
Smart security solution and adaptive street light	Kavyashree B K Anusha G K Divyashree L		14-06-2019	III
Ensemble Of Segmentation Methods For Detecting Breast Cancer	Shashank A R	PESCE, Mandya	14-06-2019	I
Security System For Forests	Deeksha V		14-06-2019	I
Alternate Energy Generating From Busy Roads For The	Harshith K S		14-06-2019	II

Development Of Smart Cities				
Soil Expert : A Sensor Based Soil Tester With Automated Crop Predictions Based on Nutrients	Chaithra N T		14-06-2019	III
Crime pattern protection using Machine learning Algorithms	Janavi		14-06-2019	I
Physical Handicap patient chair monitoring system using IOT	Sachin B K		14-06-2019	II
Media based secure data segmentation	Arunkumari S		14-06-2019	III
Restaurant Table Order App	Pavan K R	PESCE, Mandya	14-06-2019	I
Water Pressure Monitoring and Alaram System Using IOT	Monish. M		14-06-2019	II
QR code detection product recognition through speech	Syed Khaddar Khan		14-06-2019	III
Smart Mirror using Raspberry Pi 3	Akshaygowda C M Faisal Mahamood Tayaba Afshan Suraiya Sultana	PESCE, Mandya	14-06-2019	I
Precise soil and water management using IOT	Bharath N Bharath U Dheeraj Upadhya Harshith N		14-06-2019	II
Microcontroller Based Waste Segregator	Akshata Sajjan Lavanya C Madhushree K Pasupuleti Haripriya		14-06-2019	III
Automatic Tolling Based On Vehicle Shape Recognition	Gagan M N Prajwal B S Poonacha K M Spoorthi M R		14-06-2019	I

Automatic Tolling Based On Vehicle Shape Recognition	Gagan M N Prajwal B S Poonacha K M Spoorthi M R		14-06-2019	II
Clustering Based Security for Static Nodes used for Habitat Monitoring	Dinesh Parameshappa Kundagol K V Naga Vishnuvardhan Mahadeva K		14-06-2019	III
Comparative Analysis of Teen Protocol In WSM	Shravya H R Tanmaya S A Vishwanath S Rajesha H K	PESCE, Mandya	14-06-2019	III
College Bus Tracking Using Google Map	Roja S Vasthsala C Kavitha M Mamatha A P			
Smart Helmet Based On IOT	Darshan C P Mahesh B Maqsood Shariff M Varun Bharadwaj V	PESCE, Mandya	14-06-2019	I
OTP Based Lineman Security System	Thejaswini K P Sahana C M Kowsalya Meghana R N		14-06-2019	II
Automatic Strategy To Control Entire Villager's Water Pumps With User Level Authentication	Thejas M G Priyanka K Spoorthi B C Manuja T S		14-06-2019	III
Condition Monitoring And Fault Detection System In Transformer Using Internet Of Things	Madan H B Nithin Y P Raghu M Subramanya Y A		14-06-2019	III
Design And Fabrication Of Pneumatic Sheet Metal Shearing Machine	Akshay G R Deepak M Karthik M P Preetham	PESCE, Mandya	14-06-2019	I
Design and Fabrication of Savonius Vertical	Lekha A Mythri S N Tejas S			II

Axis Wind Turbine	Yogesh N			
Liver segmentation and Tumour Detection	Varun Vasist G TrishuklSamukhaR Pruthvi P Alva Deepathi Raj	PESCE, Mandya	14-06-2019	I
Acne detection and classification system	Approva M Noopru G Priyadarshini H S Varun P		14-06-2019	II
Type of leaf classification using Machine learning	Mandara K R Siddarth H B Raghavendra Shenoy Hazimalangbaba		14-06-2019	III
Design and Fabrication of Low-Cost Lake Weed Harvesting Machine	Pramod kumar M Pranav kumar N Prapulla chadan thayurkar Manoj murthy R Pramod kumar M	PESCE, Mandya	14-06-2019	I
Design and Fabrication of Water Hyacinth Harvesting Machine	Mohammed Shahid Afrid Mohan kumar A R Nagendrakumar C A Nandiash N		14-06-2019	I
Fabrication of Conceptual Model of Intelligent Braking System	Sharvan singh J Somashekar M Somashekar S D Sudharshan K Nayak Sumanth S Supradeep Vasista R		14-06-2019	II
Design and Fabrication of Multipurpose Agriculture Equipment	H B Puttuprasad Hemanthagiri S Inayate Ur Rehaman Jagadeesh A		14-06-2019	III
Fabrication of Solar and Mechanical Power Driven Hybrid Tricycle	Sheshanna K Shivmurthy G C Karthik B S MaheshA T M		14-06-2019	I

Study of Forced Vibration Characteristics of Beams	MaheshA T M		14-06-2019	II
Experimental and Numerical Study of free Vibration Characteristics of Plates	Vishwas R		14-06-2019	III
Technical Projects Exhibition	Suhash M Pradeep R	PESCE, Mandya	14-06-2019	Projects Exhibition
Quiz Hack in Hackmania 1.0	Anushree H R Swaraj C M Akshatha T M	PESCE, Mandya	14-06-2019	Quiz Hack in Hackmania1.0
Singing Competition	Anushree H R Puneeth Kumar N P	ISTE, PESCE, Mandya	14-06-2019	Singing Competition

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
Department of CS&E	IOT Lab	Govt. of Karnataka
Department of CS&E	MSME	Govt. of India
Name of the Start-up	Nature of Start-up	Date of commencement
Bio-fuel centre PESCE	1. Production & marketing of Bio Diesel	2012
	2. Production & marketing of Organics cakes	2012
	3. Production & marketing of Bi products of Neem & Pongamia Oil	2019
Total	03	

3.4 Research Publications and Awards:

3.4.1 Ph.Ds awarded during the year.

Name of the Department	No. of Ph. Ds Awarded
Automobile Engineering	01
Civil Engineering	03
Computer Science & Engineering	03
Electronics & Communication Engineering	06
Electrical & Electronics Engineering	03
Industrial & Production Engineering	01
Mechanical Engineering	12
Mathematics	05
Total	**34**

3.4.2 – Research Publications in the Journals notified on UGC website during the year			
Type	Department	No. of Publication	Average Impact Factor, if any
National	CSE	01	
	MCA	01	
International	AUE	10	
	CVE	17	
	CSE	42	
	ECE	65	
	EEE	16	
	IPE	16	
	ISE	13	
	ME	60	
	MCA	65	
	MBA	10	
	Physics	04	
	Chemistry	04	
	Mathematics	10	

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National / International Conference Proceedings per Teacher during the year	
Department	No. of publication
ECE	02 (National)
AUE	03
ISE	01
CSE, ECE and EE E	01
ECE	2 (Book + ICERECT-18 Proceedings)
ME	8

3.4.4 Patents published/awarded during the year			
Patent Details	Patent status Published / Filed	Patent Number	Date of award
Single Wheeled Self-Balanced Electric Vehicle - Shreyas G U, Fifth Semester Mechanical Engg. Student	Filed	CBR No. 19366 Date. 12/07/2018	Processing
Method, Systems and Apparatus for Efficient High Speed Elliptic Curve Point Multiplication Over Prime Field	Filed	201841032883	Processing
Method, Systems and Apparatus for Fast Multi Scalar Elliptic Curve Point Multiplication Over Prime Field	Filed	201841032882	Processing
Smart Sensor based on Conducting Polymers (PANI) and Nano particles for Biological Real Time Applications	Filed	2859/CHE/2012 Patent filed date: 14/07/2012, Published on: 20/06/2014	Processing

High Efficient Hybrid Vehicle Maintenance and Control System	Filed	- - -	Processing

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Studies on mechanical properties of banana fibre reinforced polyster composites	Anil Kumar, S.V., Gandhinathan, R.	AIP Conference Proceedings	2019	Scopus	PESCE Mandya	0
Review on Recent Methods for Segmentation of Liver Using Computed Tomography and Magnetic Resonance Imaging Modalities	Geethanjali, T.M., Minavathi	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Comparative Performance Analysis of PID and Fuzzy Logic Controllers for 150hp Three-Phase Induction Motor	Sathishkumar, H., Parthasarathy, S.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Performance Analysis of SHEPWM Based on GA and PSO for CMLI	Vishwanath, B.R., Puttaswamy, P.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Experimental Investigations on Quality of Water Used in Poultry Farm Using Sensors	Deepika, Nagarathna, Shivshankar, G.P., Channegowda	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Boundary Extraction and Tortuosity Calculation in Retinal Fundus Images	Manjunatha, R., Koti, M., Sheshadri, H.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Application of Hilbert–Huang Transform and SVM Classifier to Monitor the Power Quality Disturbances	Shilpa, R., Puttaswamy, P.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Comparative Performance Analysis of Hybrid PAPR Reduction Techniques in OFDM Systems	Manjula, A.V., Muralidhara, K.N.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0

Detection of Breast Cancer Using Digital Breast Tomosynthesis	Veena, M., Padma, M.C.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Surface Roughness Measurement of WEDM Components Using Machine Vision System	Gurupavan, H.R., Ravindra, H.V., Devegowda, T.M.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Preface	Sridhar, V., Padma, M.C., Radhakrishna Rao, K.A.	Lecture Notes in Electrical Engineering	2019	Scopus	PESCE Mandya	0
A Literature Review on Energy Harvesting for Internet of Things Applications	Rakshith, N., Minavathi	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
A Survey: On Network Forensic Data Acquisition and Analysis Tools	Shashidhara, D., Minavathi	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Deterministic concept drift detection in ensemble classifier based data stream classification process	Abdualrhman, M.A.A., Padma, M.C.	International Journal of Grid and High Performance Computing		Scopus	PESCE Mandya	0
Study of Clustering Approaches in Wireless Sensor Networks	Revanesh, M., Sridhar, V., Acken, J.M.	Lecture Notes in Electrical Engineering	2019	Scopus	PESCE Mandya	1
Assessment of Weld Bead Mechanical Properties During Destructive Testing Using Image Processing by Multivision Technique	Addamani, R., Ravindra, H.V., Chethan, Y.D.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Design and Development of 15-Level Asymmetrical Cascaded Multilevel Inverter	Madhusudhana, J., Chapparband, M.R.A., Puttaswamy, P.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Comparative Study of 31-Level Symmetrical and Asymmetrical Cascaded H-Bridge Multilevel Inverter	Prabhu, R.R., Madhusudhana, J., Puttaswamy, P.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Character Recognition on Palm-Leaf Manuscripts—A	Sagar, B., Minavathi	Lecture Notes in		Scopus	PESCE	0

Survey		Electrical Engineering			Mandya	
Design of Syntax Analyzer for Kannada Sentences Using Rule-Based Approach	Prathibha, R.J., Padma, M.C.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
A Study on Sentiment Analysis on Social Media Data	Manasa, K.N., Padma, M.C.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
CD2A: Concept Drift Detection Approach Toward Imbalanced Data Stream	Abdualrhman, M.A.A., Padma, M.C.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Empirical Study to Evaluate the Performance of Classification Algorithms on Public Datasets	Bramesh, S.M., Anil Kumar, K.M.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Improvement of Power Quality in an Electric Arc Furnace Using Shunt Active Filter	Vinayaka, K.U., Puttaswamy, P.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Machine-Vision-Assisted Performance Monitoring in Turning Inconel 718 Material Using Image Processing	Chethan, Y.D., Ravindra, H.V., Krishne Gowda, Y.T.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
An Image Processing Approach for Compression of ECG Signals Based on 2D RLE and SPIHT	Punith Kumar, M.B., Shreekanth, T., Prajwal, M.R., Shashank, N.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Computer aided detection of clustered microcalcification: A survey	Kumar, M.N.A., Kumar, M.N.A., Sheshadri, H.S.	Current Medical Imaging Reviews		Scopus	PESCE Mandya	0
Detection of Retinal Disease Screening Using Local Binary Patterns	Manojkumar, S.B., Shama Firdose, U., Sheshadri, H.S.	Lecture Notes in Electrical Engineering		Scopus	PESCE Mandya	0
Acetone and Diethyl ether: Improve cold flow properties of Dairy Washed Milkscum biodiesel	Srikanth, H.V., Venkatesh, J., Godiganur, S., Manne, B.	Renewable Energy	2019	Scopus	PESCE Mandya	1
Performance Enhancement of Optimized Link State Routing Protocol for Health Care Applications in Wireless Body Area	Chetan Kumar, V., Shiva Prakash, S.P., Balandin, S.	Conference of Open Innovation Association, FRUCT	2018	Scopus	PESCE Mandya	0

Networks						
Programmable protective device for LV distribution system protection	Naik, S.G., Ravi, V., Arshiya, R.	Protection and Control of Modern Power Systems	2018	Scopus	PESCE Mandya	0
Influence of Atmospheric Deposition and Roof Materials on Harvested Rainwater Quality	Sanjeeva, A., Puttaswamaiah, S.G.	Journal of Environmental Engineering (United States)	2018	Scopus	PESCE Mandya	0
Probabilistic identification and estimation of noise: Application to MR images	Anjanappa, C., Sheshadri, H.S.	Biomedical and Pharmacology Journal	2018	Scopus	PESCE Mandya	0
Experimental analysis of wear properties of nano scale fillers on vinyl ester-glass fibre hybrid composites and optimization by Taguchi approach	Prabhu, B.D., Venkatesh, J., Ramesh, A., Hareesh, A.	International Journal of Mechanical Engineering and Technology	2018	Scopus	PESCE Mandya	0
Segmentation of the lungs from chest X-rays: A simplified computer aided approach	Athavale, P.A., Kattimani, H.D., Puttaswamy, P.S.	International Journal of Recent Technology and Engineering	2018	Scopus	PESCE Mandya	0
Machine Vision System for Correlating Wire Electrode Status and Machined Surface in WEDM of AlSi<inf>3</inf>N<inf>4</inf> MMC'S	Gurupavan, H.R., Ravindra, H.V., Devegowda, T.M., Addamani, R.	IOP Conference Series: Materials Science and Engineering	2018	Scopus	PESCE Mandya	0
Numerical Study on Performance Characteristics of Multihole Orifice Plate	Mahendra Babu, K.J., Gangadhara Gowda, C.J., Ranjith, K.	IOP Conference Series: Materials Science and Engineering	2018	Scopus	PESCE Mandya	0
Estimation and Comparison of Welding Performances in P- GMAW using MRA and ANN for SS 304L Material	Addamani, R., Gurupavan, H.R., Ravindra, H.V., Ugrasen, G.	IOP Conference Series: Materials Science and Engineering	2018	Scopus	PESCE Mandya	1
Estimation of Machining Performances using GMDH and ANN in Wire EDM of	Ugrasen, G., Ravindra, H.V.,	IOP Conference Series:	2018	Scopus	PESCE Mandya	0

Cu-1Cr-0.1Zr Alloy	Umeshgowda, B.M., Chethan, Y.D., Naveen Prakash, G.V.	Materials Science and Engineering				
IOT based energy efficient security system	Saba, A., Nagarathna	Proceedings of the 2017 3rd International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2017	2018	Scopus	PESCE Mandya	0
Evaluation of arc conductance for high current fault arcs	Katare, P., Chennu, R., Reddy, S.S., Awasthi, A., Ramachandra, B.	2017 7th International Conference on Power Systems, ICPS 2017	2018	Scopus	PESCE Mandya	0
On (ℓ, m) -regular partitions with distinct parts	Prasad, M., Prasad, K.V.	Ramanujan Journal	2018	Scopus	PESCE Mandya	0
Synthesis and characterization of mechanical properties of nano TiO <inf>2</inf> particle reinforced AL-MMC	Raghu, S., Nanjundaswamy, H.M., Savitha, M., Sreenivasa, M.	International Journal of Mechanical and Production Engineering Research and Development	2018	Scopus	PESCE Mandya	0
Mathematical modeling of zika virus disease with nonlinear incidence and optimal control	Goswami, N.K., Srivastav, A.K., Ghosh, M., Shanmukha, B.	Journal of Physics: Conference Series	2018	Scopus	PESCE Mandya	0
Micro structrual characterization and analysis of ball milled silicon carbide	Madhusudan, B.M., Raju, H.P., Ghanaraja, S.	AIP Conference Proceedings	2018	Scopus	PESCE Mandya	0
Characterization and study of mechanical and tribological properties on titanium di oxide	Ghanaraja, S., Ali, S.I., Ravikumar, K.S., Likith, P.	AIP Conference Proceedings	2018		PESCE Mandya	0

(TiO<inf>2</inf>) coated 304L stainless steel						
Effect of forging on mechanical properties of rice husk ash-silicon carbide reinforced Al1100 hybrid composites	Ghanaraja, S., Gireesha, B.L., Ravikumar, K.S., Likith, P.	AIP Conference Proceedings	2018	Scopus	PESCE Mandya	0
Estimation of arc voltage characteristic for high current fault Arcs	Katare, P., Chennu, R., Ramachandra, B., Reddy, S.S., Awasthi, A.	2017 International Conference on Smart Grids, Power and Advanced Control Engineering, ICSPACE 2017	2018	Scopus	PESCE Mandya	0
Condition monitoring of air compressor in steel industry using ANFIS	Ganeha, B., Umesh, K.N.	International Journal of Mechanical and Production Engineering Research and Development	2018	Scopus	PESCE Mandya	0
Box-Behnken Response Surface Methodology for Optimization of Process Parameters for Dairy Washed Milk Scum Biodiesel Production	Srikanth, H.V., Venkatesh, J., Godiganur, S.	Biofuels	2018	Scopus	PESCE Mandya	2
Diagnosis of Alzheimer's disease using Naive Bayesian Classifier	Bhagya Shree, S.R., Sheshadri, H.S.	Neural Computing and Applications	2018	Scopus	PESCE Mandya	5
Segmentation of cast shadow in surveillance video sequence: A mean-shift filtering based approach	Chandrajit, M., Girisha, R., Vasudev, T.	Lecture Notes in Networks and Systems	2018	Scopus	PESCE Mandya	0
Influence of Extrusion process on Mechanical and Tribological Properties of Aluminium A356 - AL<inf>2</inf>O<inf>3</inf> Stir Cast MMC	Ashok Kumar, M.S., Honnaiaha, C., Ajit Prasad, S.L.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	0
Facile synthesis, structural and luminescence studies of MgTiO <inf>3</inf> :Sm	Thammanna, B.M., Senthil Kumar, V.	International Journal of	2018	Scopus	PESCE Mandya	0

3+ nanophosphor for display applications		Engineering and Technology(UAE)				
Experimental investigation and analysis of mechanical properties of polyvinyl ester/glass fiber composite with alumina (AL<inf>2</inf>O<inf>3</inf>), molybdenum disulfide (MOS<inf>2</inf>) and titanium oxide (TIO<inf>2</inf>) fillers	Dinesh Prabhu, B., Ramesh, A., Venkatesh, J.	International Journal of Mechanical and Production Engineering Research and Development	2018	Scopus	PESCE Mandya	0
Machined Surface Monitoring in Turning Using Histogram Analysis by Machine Vision	Chethan, Y.D., Ravindra, H.V., Krishne Gowda, Y.T.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	3
Estimation and Comparison of Welding Performances using MRA and GMDH in P-GMAW for ASTM 106 Material	Addamani, R., Ravindra, H.V., Ugrasen, G., Kumar, N.P., Darshan, C.S.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	2
Optimization of Process Parameters for SS304 in Wire Electrical Discharge Machining using Taguchi's Technique	Ugrasen, G., Bhagawan Singh, M.R., Ravindra, H.V.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	0
Experimental Investigations on Mechanical and Tribological Properties of Extruded Aluminium A356 - AL <inf>2</inf> O <inf>3</inf> Stir Cast MMC	Kumar, M.S.A., Kumar, K.C.M., Prasad, S.L.A.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	1
Estimation of Machining Performances using MRA and GMDH in Wire EDM of Al2024 based Hybrid MMC	Ugrasen, G., Mukesh, K.G., Darshan, B.M., Sreenath, S., Koladur, S.B., Ravindra, H.V.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	0
Estimation and comparison of welding performances using MRA and GMDH in PGMAW for SS 316L	Addamani, R., Gonchikar, U., Venkatadas, R.H., Chethan,	ASME International Mechanical Engineering	2018	Scopus	PESCE Mandya	0

material	Y.D.	Congress and Exposition, Proceedings (IMECE)				
Characteristic investigation on impact strength of aluminium based hybrid composite plates weld by FSW	Sadashiva, M., Shivanand, H.K.	International Journal of Engineering and Technology(UAE)	2018	Scopus	PESCE Mandya	0
Delineating antidiabetic proficiency of catechin from withania somnifera and its inhibitory action on dipeptidyl peptidase-4 (Dpp-4).	Kempegowda, P.K., Zameer, F., Murari, S.K.	Biomedical Research (India)	2018	Scopus	PESCE Mandya	0
Synthesis and Study of Microstructure and Mechanical Properties of Cast Al1100 (Mg) - SiC Composites	Ghanaraja, S., Rajashekar, H., Ravikumar, K.S., Madhusudan, B.M.	Materials Today: Proceedings	2018	Scopus	PESCE Mandya	0
Acetone and Diethyl ether: Improve cold flow properties of Dairy Washed Milk scum biodiesel, Journal of Renewable Energy	J Vekatesh	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Study of Performance Analysis of Wind Tunnel Simulation of Pollutant Dispersion Relating street canyon	Dr. Mahalingegowda	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Lateral Load Analysis of High- Rise RC Frame Building with and without RC Shear Walls	Dr.T.M.Prakash	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Comparative Evaluation of Steel Mesh Reinforced Concrete with Copper Slag as Value Added Material		International Journal	2019		PESCE Mandya	0
Development of Geomorphological Instantaneous Unit Hydrograph – A Case Study of Hemavathi Catchment		International Journal	2019	UGC Approved Journals	PESCE Mandya	0

Effect on Geotechnical properties of lime treated black cotton soil-A case study of kadukotthana halli, Malavalli		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Comparative study on stiffness regular and stiffness irregular building subjected to seismic load using pushover analysis		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
comparative study on mass regular and mass irregular building subjected to seismic load using pushover analysis		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Experimental Investigation on Utilization of Sugarcane Bagasse Ash as a Cementitious Material in Mortar	Dr.Jayashankar babu	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Influence of Bagasse Ash Replacement on Strength Properties of Cement Mortar		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
A Performance study of high-rise building under lateral load with rigid frame, core and outrigger structural systems		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Experimental Study on the influence of steel fibre reinforcement on the properties of self compacting concrete	Dr.H J Puttabasavegowda	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Detection of Affected Region and Classification of Plant Leaves Diseases using Image Processing Techniques	Dr .M C Padhma	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
“Security System for Forests” Journal of Emerging Technologies and Innovative Research		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
A Digital Assistant for Lonely Elders using		International Journal	2019	UGC Approv	PESCE	0

Technology of Device Connectivity				ed Journals	Mandya	
Shallow Parser for Kannada Sentences 2using Machine Learning Approach" International Journal of Computational Linguistics Research		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Kannada Text Normalization in Source Analysis Phase of Machine Translation System		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Real-Time Sign Language Recognition using Color Bands		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Automated Traffic Control System for Ambulance		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Robotic Ambulance for Medical Emergency Using Microcontroller and Sensor		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Ensemble of Segmentation Methods for Detecting Breast Cancer	Dr .M C Padhma	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Measurable Nutrients and Available Sensors to Design a Soil Tester with Crop recommendation IOSR	Dr.Nagarathna	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Comparative Analysis on DCT and SVD for Efficient Image Compression		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Design and implementation of Automatic energy meter using internet of things (iot	Dr. Anitha M.L	International Journal	2019	UGC Approved	PESCE Mandya	0

				Journals		
Optimal Delivery of Baggage to Passengers at Airports		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Image Steganography based on Histogram Shifting" International Journal for Research in Engineering Application & Management	Dr. Umesh D R	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Smart Health Care System Using Internet of Things and Cloud		International Journal	`2018	UGC Approved Journals	PESCE Mandya	0
Kisan Jyothi A Real-time tracking system for pumpsets using IOT	Dr. Mahesh K Kaluti	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
An Improved Design of smart alarm system for hearing impaired people using Arduino	Dr .Gopiya Naik. S	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Heuristic Approach to DG Sizing and Siting in Distribution System for Voltage Drop Reduction"		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Optimal Siting and Sizing of Dg in Distribution Networks for Power Loss Saving		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
optimal allocation of dispatchable and non-dispatchable dg units in distribution networks		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
optimal network expansion planning using combined dg and capacitor		International Journal	2018	UGC Approved Journals	PESCE Mandya	0

Boundary Extraction and Vessel Width Calculation in Retinal Fundus Images	Dr.Sheshadri H.S	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Retinal Image Vessel Width Analysis in Retinopathy of Prematurity		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Diabetic retinopathy classification using transfer learning and exudates detection using faster–RCNN		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Detection of Diabetic Retinopathy by Screening of Fundus Images		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Detection of Retinal Disease Screening Using Local Binary Patterns		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Retinal Disease Detection Using LBP Technique”		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
A Robust Automated Brain Cancer Cell Segmentation Using Color Scheme Mapping at Different Hyper Spectral Density		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
A Novel Approach of Image Steganography for Secret Communication Using Spacing Method		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Simulation and implementation of FPGA based image processing algorithm		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
FPGA implementation of CORDIC algorithm		International Journal	2018	UGC	PESCE	0

				Approved Journals	Mandya	
A novel Approach of image steganography for secret communication using spacing method		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Probabilistic Identification and Estimation of Noise: Application to MR Images		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
AHB design and verification AMBA 2.0 using System Verilog	Dr. K. A. Radhakrishna Rao	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Comparative performance analysis of Hybrid PAPR Reduction Techniques in OFDM Systems	Dr. K. N. Muralidhara	International Conference	2019	UGC Approved Journals	PESCE Mandya	0
Design and Verification of Serial Peripheral Interface Master Core Using Universal Verification Methodology	Dr .Punith Kumar M B	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Design and Verification of SPI Master Core Using UVM Journal of Emerging Technologies and Innovative Research		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
An Image Processing Approach for Compression of ECG Signals Based on 2D RLE & SPIHT		International Conference	2019	UGC Approved Journals	PESCE Mandya	0
Development of Prototype e nose for detection of adulterants in raw milk	Dr.V.Sridhar	International Journal	2019	Scopus	PESCE Mandya	1
Development of Verification Environment for I2C Controller Using System Verilog and UVM		International Journal	2019	Scopus	PESCE Mandya	1
Dr.Ramasamy Ravi Detection of Sub-Clinical		International Conference	2018	UGC Approv	PESCE	0

Mastitis Using prototype Electronic				ed Journals	Mandya	
Characterisation of Gas Sensor Array for Milk Spoilage and Diseases Detection		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
A Data Mining Approach for Money Laundering Detection" International Journal for Research in Engineering Application & Management	Dr. Vinay S	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
security to the Cloud using RSA and blowfish Algorithm	Dr. Minavati	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Comparative Study ofMachin Learning Algorithms on Census Income Data Set		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Acne Detectio and Classification System International Journal Of Computer Trends And Technology		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Door Monitoring System InternationalResearch journalof engineeringand Technology		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Liver Isolation from Abdomen CT Indian Journal of Applied Research		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Smart Irrigation System and Pest Detection Using IOT International Journal of Computer Science and Mobile Computing		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
A Literature review on energy harvesting for internet of things		International conference	2018	UGC Approved	PESCE Mandya	0

applications				Journals		
Character Recognition on Palm Leaf Manuscripts- A Survey		International conference	2018	UGC Approved Journals	PESCE Mandya	0
A Survey: On network forensics data acquisition and analysis Tools		International conference	2018	UGC Approved Journals	PESCE Mandya	0
Review on recent methods for segmentation of Liver using Computed Tomography and Magnetic Resonance Imaging Modalities		International conference	2018	UGC Approved Journals	PESCE Mandya	0
Finite element analysis of drilling of CFRP Reinforced with different percentage of Si_3N_4	Dr Muralikrishna N L	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Optimization of process parameters in Drilling of CFRP Reinforced with Different percentage of Si_3N_4 using taguchi method		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Study of weld quality characteristics of tungsten inert gas welding of Dissimilar Metals SS316L and IS 2062 Plates		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Multi Criteria decision Anlysis (MCDA) as programme management technique is design & development of advanced fighter aircraft development	Dr H. M .Nanjundaswamy	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Synthesis and Mechanical Characterization of Aluminium Reinforced With Various Nano-Sized TiO2 Particulate Composite		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Application of risk break down structure as a Programme Management tool in design &		International Journal	2018	UGC Approved	PESCE Mandya	0

development of advanced fighter aircraft				Journals		
Tensile and Fracture Properties of Cast and Forged Composite Synthesized by Addition of in-situ generated Al3Ti-Al2O3 particles to Magnesium		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Effect of various nano sized TiO2 Particles on the mechanical properties of aluminium composites		International conference	2018	UGC Approved Journals	PESCE Mandya	0
Influence of various nano sized TiO2 Particles on the mechanical properties of aluminium composites synthesized by stir casting method		International conference	2018	UGC Approved Journals	PESCE Mandya	0
Surface Roughness Measurement of WEDM Components Using Machine Vision System	Dr .H.V. Ravindra			UGC Approved Journals	PESCE Mandya	0
Machine Vision Assisted Performance Monitoring in Turning Inconel 718 material Using Image Processing		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Assessment of Weld Bead Mechanical Properties during Destructive Testing Using Image Processing by Multivision Technique		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Optimization of Hybrid Journal Bearing using Artificial Neural Network and Genetic Algorithm		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Machine Vision System for Correlating Wire Electrode Status and Machined Surface in WEDM of $AlSi_3N_4$ MMC'S" IOP Publishing: Materials Science and Engineering		International Journal	2018	UGC Approved Journals	PESCE Mandya	0

Estimation and Comparison of Welding Performances in P- GMAW using MRA and ANN for SS 304L Material		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Prediction of Tool Wear by Multiple Regression Analysis and Group Method of Data Handling in Turning A356 (10% SiC)		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Estimation and Comparison of Welding Performances using MRA and GMDH in P-GMAW for ASTM 106 Material		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Estimation of Machining Performances using MRA and GMDH in Wire EDM of Al2024 based Hybrid MMC		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Optimisation of Process Parameters for SS304 in Wire Electrical Discharge Machining using Taguchi's Technique		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Modal Analysis of Organic-matrix Composites with different % of Si_3N_4		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Estimation of Machine Vision parameters of Surface roughness and Wire wear in Wire EDM of Al-Si_3N_4 Metal Matrix Composite Material using Artificial Neural Network		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Prediction and Comparison of Vision Parameter of Surface Roughness in WEDM of Al-6%Si3N4 and Al-10%Si3N4 using ANN		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Surface Roughness Measurement of WEDM Components using Machine Vision System		International Conference	2018	UGC Approved	PESCE Mandya	0

				Journals		
Machine Vision System for Correlating Wire Electrode Status and Machined Surface in WEDM of $AlSi_3N_4$ MMC'S		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Estimation and Comparison of Welding Performances in P- GMAW using MRA and ANN for SS 304L Material"		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
"Estimation of Machining Performances using GMDH and ANN in Wire EDM of Cu-1Cr-0.1Zr Alloy		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Optimization of Process Parameters in Wire EDM of Cu-Cr-Zr Alloy Material using Taguchi's Technique		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Optimization of Process Parameters in WEDM of AlSiC MMC Material using Taguchi's Technique		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Assessment of Weld Bead Mechanical Properties during Destructive Testing Using Image Processing by Multivision Technique		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Machine Vision Assisted Performance Monitoring in Turning Inconel 718 material Using Image Processing		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Estimation and Comparison of Welding Performances using MRA and ANN in Pulsed Gas Metal Arc Welding (P-GMAW) for ASTM A106 Material"		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Vibration Response of a Gearbox having Gear with Teeth Root Cracks	Dr.Ajit Prasad.S.L	International Journal	2019	UGC Approved	PESCE Mandya	0

				Journals		
Study of Vibrational Response of a Rotary System with Defective Rolling Element Bearing		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Identification of Tooth Damage in a Gearbox by Vibration Signal Analysis		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Experimental Investigations on Mechanical and Tribological Properties of Extruded Aluminium A356- AL2O3 Stir Cast MMC		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Wear study of Al-SiC metal matrix composites processed through microwave energy		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
A Study on Fatigue Characteristics of Al-SiCMetal Matrix Composites Processed Through Microwave Energ		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Characterization of Physico-Mechanical Properties Of Sansevieria/Carbon Fiber Reinforced Hybrid Epoxy Composite With And Without Particulate Fillers		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Study of Vibration Characteristics of Unbalanced Overhanging Rotor		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Vibration Characteristics of a Mechanical System with Unbalanced Rotor, Mounted on an Overhanging Shaft		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Fluid Structure Interaction and Aero Acoustic Study on Horizontal Axis Wind		International Journal	2019	UGC Approv	PESCE Mandya	0

Turbine	Dr. Gangadhara Gowda C.J			ed Journals		
Numerical Study on Performance Characteristics of Multihole Orifice Plate		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Analysis Of Heat Transfer Through Heat Exchanger Using Al_2O_3 Nanofluid At Different Concentrations		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Study On Heat Transfer By Using Nano Copper Oxide For Different Fluids And Concentrations In A Heat Exchanger		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Development of Single Wheeled Electric Bike		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Study of Tribological Properties of Al 6061 Reinforced MnO_2 Metal Matrix Composites	Dr.S. Ghanaraja	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Fabrication and Study of Microstructure of Al 6061-MnO_2 Metal Matrix Composites		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Synthesis and characterization of Nano Al_2O_3 Powder by Al and MnO_2 Powder mixture		International Conference	2019	UGC Approved Journals	PESCE Mandya	0
Particle size Effect on Porosity and Tensile Properties of Aluminium based Metal Matrix Nano-Composites			2019	UGC Approved Journals	PESCE Mandya	0
Synthesis and Mechanical Property Evaluation of Hot Forged Aluminium Alloy Reinforced with Nano		International Conference	2019	UGC Approved	PESCE Mandya	0

Alumina				Journals		
Effect of forging on mechanical properties of rice husk ash-silicon carbide reinforced Al1100 hybrid composites		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Characterization and study of mechanical and tribological properties on titanium dioxide (TiO_2) coated 304L stainless steel		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Synthesis and Study of Microstructure and Mechanical Properties of Cast Al1100 (Mg) - SiC Composites		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Study on Effect of Different Ball Milling Duration on SiC Particles		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Characterization and study of mechanical and tribological properties on titanium dioxide (TiO_2) coated 304L stainless steel		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Effect of forging on mechanical properties of rice husk ash-silicon carbide reinforced Al1100 hybrid composites		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Micro structrual characterization and analysis of ball milled silicon carbide		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Synthesis and Mechanical Property Evaluation of Hot Forged Aluminium Alloy Reinforced with Nano Alumina		International Conference	2018	UGC Approved Journals	PESCE Mandya	0
Influence Of Process Variables On Surface Integrity Of Monel-400		International Conference	2019	UGC Approved Journals	PESCE Mandya	0

Performance of Porous Journal Bearing with Non-Newtonian Lubricant	Dr.Nagaraju T	International Conference	2019	UGC Approved Journals	PESCE Mandya	0
Study of Epoxidized and Benzoic Acid Additive Added Pongamia Bio-Lubricant		International Conference	2019	UGC Approved Journals	PESCE Mandya	0
Efficient communication in underwater Acoustic Network-A survey	Dr,B.Shanmukha	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
3D Magneto hydrodynamic slip flow of $Al_{50}CU_{50}$-water and cu-water nanofluids over a variable thickness stretched surface Advance in physics theories and application		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Mathematical modelling of zika virus disease with nonlinear incidence and optimal control		National Conferences	2018	UGC Approved Journals	PESCE Mandya	0
Extended Results in Pendant Domination Polynomial of a graph" American	Dr.Puttaswamy	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Minimum Pendant Dominating Energy of a Graph		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Ruthenium cattalysed oxidation of niacin by chloramine-bin hydrochloric acid medium: a kinetic studdy	Dr.Chandrashekar	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Measurement of radon soil gas in and around Bharathinagara, Mandya District	Dr.T.S Shashikumar	National Journals	2019	UGC Approved Journals	PESCE Mandya	0

Photon interaction studies of cobalt alloy steel stents in the energy range 1keV to 100GeV		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Electro-Optical Phase Transition studies of chiralsmecticphase of Nematic and Cholesteric Materials		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Photon interaction studies of Cr-Ni-Mo steel alloy coronary stents in the energy range 1keV to 100GeV		National conference	2018	UGC Approved Journals	PESCE Mandya	0
Block Design Key for Secure Data sharing in Cloud Computing		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Secure Paper Publication Using Data Mining		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Face Detection and Recognition for Automatic Attendance System Using Artificial Intelligence Concept		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
''Online Verification of Caste Certificate	Dr.H. P. Mohan Kumar	International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Integrated Utility System		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Decentralised Disruption Tolerant Military Network		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Bus Arrival Time Prediction System Based on		International Journal	2018	UGC	PESCE	0

Participatory Sensing With Smart Phone				Approved Journals	Mandya	
A Probabilistic Approach for Identifying Faulty Node in Mobile Wireless Network		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Crime Pattern Prediction Using Machine Learning Algorithms	Dr M.N.Veena	International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Water Pressure Monitoring and Alaram System using IoT		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Retinal Disorder Detection Using Image Processing and Machine Learning		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Forcasting of Walmart Sales		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Medical Plants Segmentation Using Thresholding and Edge based Techniques		International Journal	2019	UGC Approved Journals	PESCE Mandya	0
Medical Plants Segmentation Using Thresholding and Edge based Techniques		International Conferences	2019	UGC Approved Journals	PESCE Mandya	0
A Survey on Breast Cancer Detection		International Journal	2018	UGC Approved Journals	PESCE Mandya	0
Digital Marketing: An Evaluation of Flipkart	Dr.C. Kiran Kumar	National Conference	2019	UGC Approv	PESCE Mandya	0

				ed Journals		
Make in India initiative – Emergence of Transformational changes in Labor Employment Market Structure		International Journal	2018	UGC Approved Journals	PESCE Mandya	0

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	Number of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Ref. 3.4.5			2018-19	64	1.5 to 3.5	16	PES College of Engineering

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Participated Seminars/ Workshops	08 4(1+3(pre con s)	26 2(s)	24 1(s)	07
Presented papers	44	23	00	07
Resource Persons	00	01	02	00

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting /Sponsoring Agency	Revenue generated (amount in rupees)
Government and Non-government agencies	Geotechnical Engineering Laboratory, Concrete and Highway material testing laboratory, Basic Materials testing laboratory, Environmental Engineering Laboratory, Third Party Inspection, Stability and strength evaluation of buildings by Non destructive testing methods(NDT)	Department of Civil Engineering PESCE Mandya	10,77,190.00
Govt. of Karnataka	Bio Diesel and Bi-products	Bio-Fuel Centre	2,00,000

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	00	00

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated in such activities	Number of students participated in such activities
Student Induction Programme	PESCE, Mandya	36	675
Swachh Bharat	ISTE, Youth Red Cross	30	400
International Yoga day	ISTE, Youth Red Cross	40	100
Voluntary Blood Donation Camp	ISTE, Youth Red Cross	40	184
Trekking camp	ISTE	2	50
A Quiz competition on "General Knowledge	ISTE, Youth Red Cross	2	310
Spark Tech Fest", a state level contest	TEQIP Phase-3	2	75
Exposing the secret of Miracles	P.E.S College of Engineering	3	30
NCC training	EME Centre	2	1

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/Recognition	Awarding bodies	No. of Students benefited
Best Social service	Best Student of the chapter	Youth Red-cross Wing	1
Art Service	Kalatapasvi	Mysuru sahithya Mattu Samskrutika Pratistaana	1
Served Flood affected Region at Kodagu	Rashtrapati Scout Award	President – Rastrapathi Bhavan, India	1
Blood Donation	Rolling Shield	Mandya District branch of Indian Red-cross Society	216
Essay Competition "Exposing of Secrete of Miracles"	1st prize	ISTE	30
Spark Tech Fest	Prizes - Ad-wars Prizes - Quiz Prizes - Poster design	PESCE Mandya	15

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers co-ordinated such activities	Number of students participated in such activities
Safety awareness	SAE INDIA, BENGALURU	Green wheeler for safe & sustainable mobility	2	2
Swachh Bharat	ISTE & YRC	Swachh Bharat	2	50
Voluntary Blood donation camp	Red cross & ISTE	Highest no. of units of blood collected at the blood donation camps	10	140
Women Empowerment	TEQIP-3	Women Empowerment in Today's Era	10	300
Trekking	ISTE & YRC	Trekking camp	10	52
International Yoga day	ISTE & YRC	International Yoga day	15	100

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-18)	121	World Bank MHRD	2days
Finishing School (I, II & III Installment Placement)	66	World Bank MHRD	5 Days
Women's Day Celebration -2018	100	World Bank MHRD	1day
3D Printing	70	World Bank MHRD	1day
Project Management	58	World Bank MHRD	2days
E-Week	40	World Bank MHRD	1day
Applications of Lean Tools	40	World Bank MHRD	2days
Designing IOT Application using NODEMCU	40	World Bank MHRD	2days
Research Meet	60	World Bank MHRD	3 Days
Induction Programme (I Year Students)	721	World Bank	3 Weeks

		MHRD	
Vehicle Diagnosis	92	World Bank MHRD	1 day
Infrastructure Requirement for engine & Vehicle testing basis & legislation requirements	104	World Bank MHRD	1 day
Project Based Learning	150	World Bank MHRD	3 days
REVIT Software	82	World Bank MHRD	1day
Cloud Computing with Amazon Web Services	25	World Bank MHRD	1day
Skill Development (FACE)	100	World Bank MHRD	2days
President & Dean Academic Binghamton University, New York, USA	12	World Bank MHRD	2days
Assessing Performance of TEQIP-III	1	World Bank MHRD	1day
Being Innovative and Entrepreneur	150	World Bank MHRD	1day
Machine/Deep Learning with MatLab	131	World Bank MHRD	02 days
Drives and Control	48	World Bank MHRD	1day
Research Literacy Academic Writing, E-Resources and Research Quality Indicators	35	World Bank MHRD	1day
Patent Review Meeting	6	World Bank MHRD	1day
Discussions Related to TEQIP-III	3	World Bank MHRD	2days
Research Congregate-2018	60	World Bank MHRD	1day
Blockchain Technology & Cloud Computing using amazon Web Service	91	World Bank MHRD	5 days
Application of Data Science & IoT	35	World Bank MHRD	6 days (one week)
Industry Orientation Residential Winter Camp on Free Software/ Hardware	75	World Bank MHRD	5days (one week)
NBA for UNSIET	15	World Bank MHRD	7days (one week)
HACKMANIA 1.0	100	World Bank MHRD	1day
Typhoon HIL Technology	51	World Bank MHRD	1day
Discus R&D, III Cell and Plan of action	20	World Bank MHRD	1day
Faculty Interaction	195	World Bank MHRD	1day
Recent trends in Business Management	40	World Bank	1day

		MHRD	
ICT	35	World Bank MHRD	3days
Enhancing C Programming Skils	50	World Bank MHRD	3 Days
Technical Symposium on Women and Technology	120	World Bank MHRD	1day
Traits and attitude of students innovators and Entrepreneurs	90	World Bank MHRD	1day
Plagiarism and Measuring of Scientific Productivity	30	World Bank MHRD	1day
Android Application Development	50	World Bank MHRD	2days
Artificial Intelligence	57	World Bank MHRD	2days
Student Learning Assessment (SLA)	30	World Bank MHRD	3days
Pedagogy Training	30	World Bank MHRD	5 days
Quality Control tools an Industrial Application	42	World Bank MHRD	1day
Contribution to Agricultural Engineering	100	World Bank MHRD	1day
Applications and Research Prospects of Thermodynamics	120	World Bank MHRD	1day
SLA Survey	40	World Bank MHRD	2days
Accounts, Tally and Preparation of Audit Reports for account staff working in SPIU and TEQIP-III Institutions	40	World Bank MHRD	1day
Internet of things with Rasberry Pi Microcontroller and FAGA Design with Verilog	52	World Bank MHRD	2days
Recent Developments in Water Jet Machining	150 (students)	World Bank MHRD	1day
Second Mentor Visit	**1**	World Bank MHRD	3days
Web Application Development Using Node.js	35	World Bank MHRD	2days
Survey : Contract for consulting services	35	World Bank MHRD	1day
Innovative Technical Projects Exhibition - 2019	53 (Batches)	World Bank MHRD	1 day
Engine Design Emerging Technology	100	World Bank MHRD	1 day
GATE Coaching (ECE students)	28	World Bank MHRD	27 days
Recent Advances in VLSI Design and Hands-on with CADENCE tool	50	World Bank MHRD	5days

Collaborative Research activities	100	World Bank MHRD	2days
3D Structural Modelling	140	World Bank MHRD	2days
Google Cloud Career Readiness Faculty Event	105	World Bank MHRD	1day
BoS Meeting	30	World Bank MHRD	1day
CATIA	59	World Bank MHRD	5days
Induction Programme	630	World Bank MHRD	12days
Zonal championship (IIT Madras Event)	45	World Bank MHRD	2days
Recent Advancement in Renewable Energy Technology	56	World Bank MHRD	5days
2nd Round Performance Auditing	1	World Bank MHRD	3days
Startup unit of Bio Fuel products and Interaction	2	World Bank MHRD	1 Day
Processing and application of composite materials (PACM)	75	World Bank MHRD	6 days (One Week)

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Internship	Student Internship	Friendly Motors Mysuru	18th Jun 2019 28th July 2019	01 Mohammed Azhar
		Bharath Fritz Werner Lmt Bengaluru	14th Jun 2019 30st Jun 2019	02 Pradhyumna U.R Sharath K.J
		RNS Institute of Technology, Bengaluru	21st Jan 2019 28th Jan 2019	01 Kishor S R
		Mandovi Motors Pvt Ltd Hunsur Road, Hinkal Mysuru-570005	16th Jan 2019 31st Jan 2019	33 VI Sem Students
Internship (EEE)	Industry	Central workshops, south western Railway,myosre	20/2/19 to 25/2/19	02
		Balaji Electro controls	25/2/19 to 2/3/19	03
		BEML, Mysore	15/1/19	02

			to14/2/19	
		TECHNOOPS Pvt. Ltd, Mysore	3/1/19 to 3/2/19	02
		KAYNES TECHNOLOGY, MYSORE	20/2/19 to 27/02/19	03
		Kaveri Bhavan KPTCL, Bangalore	17/6/19 to 24/6/19	01
		WIPRO Jalahalli Cross Bangalore	19/6/19 to 26/6/19	02
Internship (IS)	Android Application Development	BITPOS Solutions LLP, Mysore	8th Jan – 8th Feb 2019	1
	An Eco – Green Informative and Order Processing System	SVACHALLAN Bangalore	5th Jan – 5th Feb 2019	8
	Project work with stipend (Rs. 17000)	LOWE'S service India private Limited Bangalore	5 – Months	1
	Associate Content Developer with stipend(CTC 204000)	Kidvento Education and Research Pvt. Ltd. Mysuru	6-Months	1
	New Concept prototype Development with stipend 12000	Continental India Mysuru	6-Months	1
	Internship Trainee with stipend Rs. 5000	Ellipse Technologies	6-Months	1
	C Coding and Process	Nivedhana Technologies Pvt. Ltd. Mysuru	16th Jul 16th Aug 2019	3
	Project Training	L&T Technology Services mysuru	5th July – 3rd Aug 2018	4
	Project Training	RVG Technologies Mysuru	4th Feb – 4th March – 2019	5
	Project Training	Qspiders campus Connect	7th Jan – 8th Feb 2019	4
	Project Training	Shunyeka Solutions Mysuru	1 month	1
	Project Training	Jagruth Tech. Pvt. Ltd. Mysuru	1 month	1
Project work	MCA	Ideonix Solutions, Smile technologies, Venus Softtech, Syscon Infotech, Ignyte Infotech, IMPEX Technology, Tech Centrix, Webedge Technologies,	Jan-june 6 Months every year	59

		System Softwares, Tech Novice Solutions, I Cube Soft Technologies, Big Bytes, Greasers Solution, Technoops, Syslog Technoligies, Quintile, For Your Service, Tittle Technologies, Varrition Software, Syslog Technoligies, Quintile, Ideonix Solutions, Ssytog Technology, Celestial Solution Bangalore, Techecnteix.		
On-the-Job Training		24/7, 6DTechnology, 6th energy, ABB, ABC, Accord global technologies pvt ltd Accord Software, Ad2pro, Amphisoft, ARRIS Global, Atos Syntel, AXISCADES, Benz, BRIGADE, Capgimini, Capital Aim, CLIFF'S, Codilar, Cognitive Clouds software private limited, cognizant, Continental, Damodar Valley Corporation, Dcompiler, DeltaX, Dsoft systems, Dsoft Vision, Dxcorr, E&Y, EASI, EEDT, ELEATION, Entuple Technologies, epam, Epark, Face, GARUDA MOTORS, gboxz, GeekyAnts, Global Edge, Global logic, Gokaldas Exports Limited, IEllipse Technonolgies, Infosys, INTECONS SOFTWARE LAB, Intel PVT LTD, Jetking		380
Internship	Training	L&T Electrical & Automation, Nivedhana Technologies Pvt Ltd,SVACHALLAN LUTIONS Pvt Ltd, BITPOS SOLUTION LLP, IELLIPSE Technologies , Continental Automotive, Lowe's Company, Kidvento Education and Research Pvt	July-Aug 2018 Jan -Feb 2019 Jan –Feb 2019 Jan – June 2019	31

		Ltd, RVG technologies, Qspiders Campus Connect, Jagruth tech pvt ltd, Shunyeka Solutions		
Projects	INDUSTRY INSTITUTE PROGRAMME(Civil)	BAI, MYSORE, METRO, NIRMITHI KENDRA , PWD, KUWSSB	one month Every year	120
Internship	CS	L & T Technology Services, Epark, Siemens Technology PVT LTD, Dsoft Systems, Continental PVT.LTD, Dcompiler, Intel PVT LTD, Continental PVT.LTD NEXUS, Dsoft Vision, Lowe's Service India PVT LTD, Epark, Trill tale, CLIFF'S Damodar Valley Corporation, CLIFF'S, TSS, Dsoft Systems, Accord global technologies pvt ltd, BSQ Technologies, Iecllipse, Continental, Ad2pro, Siemens solutions, Texas instruments, INTECONS software lab, face, Iellipse Technologies, AXISCADES, Lowes internship.	One month	45
	ME	AXISCADES, FACE	One Month	5
	EC	Continental, Lowes internship	One Month	9
	AU	AXISCADES	One Month	1
	IP	FACE	One Month	1

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Binghamton University, New York,	Aug 2017	1. Student and Faculty Exchange 2. Short courses 3. Joint Research and Workshops	All Branches

USA		4. Exchange and Sharing of Research and teaching ideas 5. PhD Co-advising	
VLSI Guru	20 JULY 2018	Training on VLSI Design and Embedded System	150
Vumigrate Migration and Education Consultants India Pvt Ltd. A: suite 211, Eva Mall, 60 Brigade Rd, Bangalore	25th October, 2018	Provide the Services to the interested students of the institution through its staff at the premises of the institute. Train Staff members nominated by the Institution in the curricula involved in the provision of the Services. Staff members actively participate in the provision of the Services by the Consultant.	120
Infosys Bangalore	24-12-2016 to 23-12-2018	Students Create a project bank for final year students. Publish Infosys courseware On the Web and provide access. Conducting special lectures for students at campuses. Participate in the Conferences at the national/international level in the college/Seminars/ Contests. **Faculty** Sharing Industry oriented-courseware and Technology. Faculty Enablement Program Sabbaticals at Infosys Interaction with subject matter experts **University/College** Share best- in –class standards (a) College-college (b) Industry college Books/ CDs/DVDs etc for the library	150
Think cell Learning Solution india Pvt Ltd	25th Oct 2018	Graduate Aptitude Test in Engineering (“GATE”) training	383

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4,68,33,000 = 00	2,52,33,690 = 00

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	62 Acres	Nil
Class rooms	70	07
Laboratories	80	02
Seminar Halls	08	02
Classrooms with LCD facilities	50	05
Classrooms with Wi-Fi/ LAN	50	10
Seminar halls with ICT facilities	09	02
Video Centre	01	01
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	1200	100
Value of the equipment purchased during the year (Rs. in Lakhs)	4 Crore 80 Lakh	45 Lakh 40,000
Others		

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
KOHA	Fully	16.04	2017

4.2.2 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	87342	18640352	854	456231	88196	19096583
Reference Books	300	140000	165	110000	465	250000
e - Books	450	350000	21100	2100000	21550	2100000 (VTU Consortium)
Journals	104	330000	78	205713	78	205713
e - Journals	6000	2100000	7395	2100000	7375	2100000 (VTU Consortium)
Digital Database	--	--	3	--	--	--
CD & Video	2000	--	--	--	--	--
Library automation	Ecap	--	Koha	--	--	--
Weeding (Hard & Soft)	8802	--	192	--	--	--
Others (specify)	--	--	--	--	--	--

4.2.3 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc.,

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Nil	Nil	Nil	Nil

4.3 IT Infrastructure

4.3.1 Technology Up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MBPS)	Others
Existing	1000	08	YASHTEL	01	10	13	993	100 MBPS	181
Added	294	02	YASHTEL	01	02	02	85	100 MBPS	35
Total	1294	10	YASHTEL	01	12	15	1078	200 MBPS	216

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
1) E-Resource 2) E-Cap-Admission of students 3) Feedback-Students	www.pescemandya.org/resources.php 192.168.13.11/ecap Faceback.anaghalabs.com

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1,15,85,750 = 00	46,35,678 = 00	1,09,50,000 = 00	65,59,990 = 00

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities

The institution has very well established policy for maintenance of physical, academic and support facilities. The college has designated officers for overseeing to look after the

development of campus facilities and its maintenance. The estate officer takes care of entire campus. The Academic, laboratories and classrooms are the look after of individual department/programmes HoDs. With regard to Support facilities; System administrators for computers & internet wifi maintenance, library staffs for library maintenance, gardeners for campus greenery maintenance, Physical education director, Sports complex director and secretary for institution sports activities and sports complex maintenance exists.

Maintenance of Infrastructure :

- Building Division: This committee is established under civil engineering department through which most of the new buildings with modern amenities are constructed and repairs/ maintenance of buildings of the institute infrastructure are taken care.
- Laboratory and Workshops: All the engineering departments have their one laboratory. Each of the laboratories is equipped with sufficient tools and devices. All the tools and devices are well maintained by the instructors, lab technicians and mechanics with the help of the helpers.
- Library: The library committee will take care of maintenance and need of books, journals, e-journals, magazines, news papers etc. In addition to this, each department has their own library and that is taken care by respective HoD.
- Sports and Cultural: The sports complex has an exclusive committee which takes care of overall sports complex amenities and activities. The institute has a physical education director who takes care of overall sports activity. The sports committee will take care of the maintenance of sports amenities at regular intervals. The individual departments have got their own sports and cultural committee.
- Computers and networking: The institute has a system administrator and assistant system administrator to look after hardware and software of the computers. They also take care of networking, wi-fi, ICT facilities (classrooms, seminar halls, auditorium, etc) in the entire campus.
- Classrooms, Seminar halls, Auditoriums are utilized for regular teaching - learning process, training and for carrying out examinations. Further, maintenance is being regularly monitored and maintained under the supervision of the estate officer.
- The electrical and electronics department takes care of overall electrical works and generators in the entire campus. The college has its own power generator as backup power supply for the departments, exam section and hostels.
- Exam section: The CoE takes care of the autonomous exam section, where the database

of overall exam section is managed by the co-ordinator and database administrator

- The placement and training Cell: The placement and training officer provides the required amenities to carry out the training & placement activities smoothly.

The garden department of the institute maintain the gardens to keep the campus green. The garden department is also responsible to maintain the entire campus clean and tidy.

http://www.pescemandya.org/facilities.php

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	PESCE - Merit Awards	40	30,800/-
Financial support from other sources			
a) National	Fee concession scheme (2018-19)	99	17,79,390
	Government of Karnataka Scholarships: 1) BCM Scholarship 2) SC/ST Scholarship 3) SC/ST Scholarship	 1599 90 122	 3,26,80,430/- 24,15,120/- 55,59,330/-
b) International	Nil	Nil	Nil

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga, Meditation, Human Values, Professional Ethics, Personal Counselling – Induction programme	16 August 2018	643	IQAC, PESCE Mandya
Soft skill development	16 August 2018	643	Placement &Training
Remedial Coaching	10th, 12th & 20th Oct 2018 22nd & 25th march 2019	61 51	ECE, PESCE Mandya
	22-04-2019	79	Mathematics
Supplementary Semester classes	June 2019	150	All Departments of PESCE
Personal Counselling and Mentoring	August 2018	2793	All Departments of PESCE

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018-19	GATE Coaching	356	135 (Trained)	09	09

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

The student redressal forum is established

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
NIL	NIL	NIL

5.2 Student Progression

5.2.1 Details of campus placement during the year

On Campus			Off Campus
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
24/7	39	01	
6D Technology	75	06	
6th energy	208	05	
Accord Software	27	02	
Ad2pro	20	01	
AXISCADES	135	06	
Benz	190	01	
Capgimini	82	08	
Capital Aim	84	08	
Codilar	249	01	
Cognitive clouds software pvt Ltd	71	03	
cognizant	27	03	
Continental	167	19	
E&Y	187	05	
ELEATION	80	04	
Face	90	03	
Global Edge	184	07	
Global logic	46	01	
Gokaldas Exports Limited	20	02	
HCL	27	02	
Infosys	220	25	
INTECONS SOFTWARE LAB	20	01	
L M wind power	17	01	
Lowies	85	05	
MAVENTIC	120	03	
MINDTREE	213	03	
Mphasis	214	04	
NTTDATA	134	03	
ODESSA	26	01	

PRDC	33	01	
Qspider	100	36	
Shriram Transport Finance Company Limited	20	03	
SIMEIOS SOLUTIONS	109	01	
SLK	145	13	
Symbio Consults	15	02	
Taj	18	01	
TALLY SOLUTIONS	247	05	
TCS	290	27	
Teksystems	48	20	
Texas Instruments	129	01	
UST globle	30	02	
Vee Technologies	55	02	
Wipro	250	27	

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019-20	04	2018-19 PESCE, Mandya	EEE	NIE, Mysuru	M.Tech
2018-19	15	2017-18 PESCE, Mandya	CSE	PESCE, Mandya RV College of Engineering	M.Tech M.Tech
2018-19	2	2018-19 PESCE, Mandya	ISE	Applied for 2 universities University of Calgary (York University University of Leicester, England	M.S M. S

5.2.3Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	Nil	Nil
SET	Nil	Nil
SLET	Nil	Nil
GATE	10	CE19S81224270 CE19S81224275 CE19S81224184 CS19S31224268 EC19S51224521 EC19S51225205 EC19S51224362 EC19S51224449 EE19S61224273 ME19S21224506
GMAT	Nil	Nil
CAT	Nil	Nil
GRE	1	9248110184278156
TOFEL	Nil	Nil
Civil Services	Nil	Nil
State Government Services	KPTCL JE	KE214162
Any Other	Nil	Nil

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Cultural fest - Gnana Cauvery	Institution	450
CRICKET, SJCE MYSURU	Institution	15
Anveshana (State level Project exhibition)	Institution	01
HACKATHON , VVCE, Mysore, March, 2019	Institution	05
Quiz Hack in Hackmania 1.0 (Hackathon)	Institution	02
Quiz Hack in Hackmania 1.0 (Hackathon)	Institution	01
Singing Competition	Institution	02
Ball Badminton	National	8 Members
Tennis	National	6 Members
Volley Ball	National	12 Members
Cricket	National	15 Members
Foot Ball	National	15 Members
Ball Badminton (M)	National	8 Members

Ball Badminton (W)	National	8 Members
Ball Badminton (W)	National	8 Members
Volley Ball	National	12 Members
Ball Badminton (M)	National	8 Members
Kabaddi	National	12 Members
Basket Ball	National	12 Members
Kho-Kho	National	12 Members
Volley Ball	National	12 Members
Hand Ball	National	12 Members
Ball Badminton	National	8 Members
Basket Ball	National	12 Members

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2018-19	Kala Tapasvi, Oviya Chemmal	National	-	Art and Painting	4PS17MCA81	Shashank Bharadwaj
2018-19	Runner	National	Ball Badminton			8 Members
2018-19	Runner	National	Tennis			6 Members
2018-19	Winner	National	Volley Ball			12 Members
2018-19	Winner	National	Cricket			15 Members
2018-19	Runner	National	Foot Ball			15 Members
2018-19	Runner	National	Ball Badminton (M)			8 Members
2018-19	4th Place	National	Ball Badminton (W)			8 Members
2018-19	4th Place	National	Ball Badminton (W)			8 Members

2018-19	Runner	National	Volley Ball			12 Members
2018-19	4th Place	National	Ball Badminton (M)			8 Members
2018-19	Runner	National	Kabaddi			12 Members
2018-19	Winner	National	Basket Ball			12 Members
2018-19	Runner	National	Kho-Kho			12 Members
2018-19	Winner	National	Volley Ball			12 Members
2018-19	Runner	National	Hand Ball			12 Members
2018-19	Runner	National	Ball Badminton			8 Members
2018-19	Winner	National	Basket Ball			12 Members

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students representation on Administrative bodies-All disciplines of Engineering of all semesters have students class representatives for each division who generally will put across all the issues connected to the teaching mythologies, processes and express their difficulty if at all in any subject in the class representative meeting with the Head of the Institute. New thought process which could be inculcated are also suggested by students but the final call on this issue is taken by the subject teacher, course coordinator and the board of studies. Students also give suggestion on state of art equipments which could be introduced in laboratories etc. Feedback is taken from the students so as to improve the overall academic processes and setup.

Students representation on Academic bodies-Students are also Members of Board of studies and they are actively involved while framing the curriculum. They take active part in Departmental level discussions and meetings concerning curriculum and give suggestions on many subjects. Many innovative suggestions are shaped and subjects which are of relevance in the industry are also included due to the involvement of students. These are further taken up for discussion in the final board of studies before freezing the curriculum.

Student's representation on IQAC- A Student member is involved in IQAC Board.

In General, The students are included in various bodies with additional responsibilities at department and institution level as mentioned below.

- Participation in academic / curriculum review through course end survey

- Department associations – Students administrative body for the conduction of curricular/ co curricular and cultural activities at the department level
- SAE PESCE Student Section (Collegiate club) - Students administrative body for the conduction of technical activities at the department/institute level
- Gnana Cauvery - Students administrative body for the conduction of curricular/ co curricular and cultural activities at the institute level
- Technical Association- students conduct workshops, seminar and guest lectures.
- Placement Committee – Students with the assistance of placement officer conduct the placement activities every year during the campus placement.
- Sports & Cultural Committee – Students form a committee under the sports committee through which they conduct annual sports meet and also participate in various regional, national and international competition.
- Anti Ragging committee – The students create awareness about the anti-ragging polices of the institution to the new comers. They keep monitoring for any untoward incidents which may lead to ragging in the campus
- IEEE Student Branch – Conduct regular workshops, conferences, seminars and guest lectures. Hostel Committee – The keep track of the hygiene aspects of the hostel. They also monitor the food which would be served in the hostel and reduction of wastage. They also take care of recycling of wastage food every day.

The role of student representatives in improving the activities of various clubs in curricular and extracurricular aspects of the institution in the right direction. They play vital role in-Feedback, Suggestion to Associate committee. Also they Disseminate the information from the college administration to all students Organize technical, non-technical and social events.

5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

PESCE alumni have started various chat groups/clubs at different parts of the globe. Some of the active groups which are in touch with alma mater in one or the other way - PESCE Alumni Bangalore chapter, Telugu Club & USA club

The following activities are conducted by the alumni association;

- Membership drive
- Alumni meet
- Academic and Placement support activities
- Infrastructure support /Scholarships/Endowments
- Social activities
- Felicitations

Membership: The institute keeping tracking of alumni has happened systematically.

The alumni were contacted through:

- Peer drive
- Tell a friend
- Ledger data
- Face Book call
- LinkedIn Call

- Departmental data

Exclusive website (maintained by M/s Fourth Ambit). A campaigning to enhance the numbers is made in Chapter meets, departmental alumni meet and General body.

Academic: The academic activities involve: Mentoring students for academic excellence and career selection - During First year orientation programme.

Curriculum design –Through BoS of each department

Invited talks/workshops from Alumni –through Placement cell to deliver expert talks and conduct Workshops for students.

Acting as catalyst in Industry-Institute and Institute-Institute partnerships through placement training activity, Conducting Mock campus selection process

Project mentoring – Faculty members connect alumni and present students for project work and career mentoring.

Guest to College events – Alumni were invited as guests to college level and department level events to get motivated/inspired by their achievements

Infrastructure support: Provide financial support to infrastructure development. Endowment scholarships are provided by a Alumni for top rankers

Social : Alumni visit alma mater with family on weekends and go around the campus. Alumni visit departments frequently to have informal chats with faculties and non teaching staff. Alumni share their important events of their life with faculties and invite faculties for personal social gatherings.

5.3.2 No. of registered Alumni:
1185
5.3.3 Alumni contribution during the year (in Rupees) :
Rs. 3,25,000.00
5.3.4 Meetings/activities organized by Alumni Association :
Yes. In our institution all the departments have their individual alumni association and each department conducts alumni activities once in a year.

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

To become a Technical University of highest Standards through consistent development, the Vision, Mission, Quality policy and Core values of the institution is in tune with the objectives of technically sounded higher education in India.

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.

The phrase, "**Professionally Excellent, Socially Committed Engineers**" is worth using as a punch line to designate the team of PESCE including the students, who contribute for the institutional development. The core values of PESCE are professionalism, Efficiency, Synergy, Commitment and Ethics.

Governance - The institution has Board of Governors [BOG], to monitor and mentor the activities of the overall development of the institution. The BoG has the Chairman, members, AICTE Nominee, GoK Nominee, VTU Nominee, UGC Nominee, Staff representative, Principal of the institute as the Member Secretary.

Departments play pivotal role in the development of the institution. Hence each department formulated their vision, mission, short, mid and long term goals. The implementation plan for the departments reflected all details of resources needed, leader responsible with Head of the Departments.

The above statements of vision, mission and quality policy and core values were deliberated, reframed and approved by BoG.

Faculty participation:

Faculty are participated in various decision making bodies of the Institution, such as;

- ✓ Governing Body
- ✓ Finance Committee
- ✓ Purchase Committee
- ✓ Building Works and Campus Maintenance Committee
- ✓ Transport Committee
- ✓ Institute Web Site Design and maintenance
- ✓ Research and Development Committee
- ✓ Placement & Training Centre
- ✓ Sports and Extra Curricular Activities Committee
- ✓ Academic Council
- ✓ Board of Studies
- ✓ Departmental Under Graduate Committee (DUGC)
- ✓ Departmental Academic Appeals Board (DAAB)
- ✓ Alumni Committee
- ✓ SC / ST Cell

- ✓ Hostel Committee etc.,

Student's Choice: Through Choice Based Credit System, Students are given freedom to choose the elective as well as open elective courses offered. Students can have freedom to transfer credits earned through online courses like NPTEL, MOOC, Swayam etc., Further, they have been provided with adequate support to choose their career as Entrepreneur / Higher studies / placement /GATE etc., preparing for competitive examinations.

Students have been given enough representation in the highest decision making bodies like Academic council, Internal Quality Assurance Cell and Board of Studies.

Students are also empowered to play an active role of co-curricular and extracurricular activities, IEEE, ISTE, Red Cross, NSS social service group etc., as a member or coordinator.

6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial:

Partial

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

- ❖ Curriculum Development
- ❖ Teaching-learning
- ❖ Examination and Evaluation
- ❖ Research and Development
- ❖ Library, ICT and Physical infrastructure/Instrumentation
- ❖ Human Resource Management
- ❖ Industry Interaction / Collaborations
- ❖ Admission of students

Curriculum Development: Board of studies and Academic Council are formed comprising of representatives from universities/ Institutions, industries, Alumnus of the institute, experts from VTU and student. As per the Washington Accord, the curriculum is revised to adopt Outcome Based Education (OBE) along with **C**hoice **B**ased **C**redit **S**ystem (CBCS). At the time of revision of curriculum as per the need of stakeholders, the BoS of every department conduct the meeting and discuss thoroughly and finally get the approval from academic council with modifications, if needed.

Teaching-learning: A student-centric learning process is followed by the institution. Students are encouraged to utilize library and e-learning facilities. The faculty are used innovative and creative methods for the delivery of the curricula using ICT facilities along with chalk and talk method. Faculty may use different methods like Power point presentations, NPTEL Videos, QEEE Classes, Case studies, Simulations techniques and laboratory experiment demonstration. Topics on technologies related to current state of the affairs and hands on training are also made available for students, faculty and staff as and when proposed.

Examination and Evaluation:

a) CIE - Continuous Internal Evaluation to be conducted by the subject teacher, include minimum 2 Tests, Quiz and assignment by alternative assessment tools such as assignments, problem solving, group discussions, seminar, mini-project and other means.

b) SEE - Semester End Examination to be conducted as per the academic calendar. Both CIE and SEE have equal (50:50) significance. The result of a course shall be judged by CIE and SEE marks. CoE will take all responsibilities from Registration, Eligibility list, Hall ticket generation, Conduction of examination, Evaluation of answer scripts, Moderations and declaration of result.

Research and Development: The institute has a separate PET research centre, which provides significant contribution for the research among the student and faculty. The faculty members are encouraged to acquire higher qualifications. The faculty are provided incentives for publishing research articles in peer reviewed journals in National & International conferences. Ample Doctorates (Ph.Ds) are produced in the field of Science & Technology. About five hundred papers in peered journals and Six hundred research articles in international and national conferences are published. Presently about 150 research scholars have registered under PET research centre to acquire Ph.D and M.Sc engineering.

Library, ICT and Physical infrastructure/Instrumentation: our library information centre has well established infrastructure with modern amenities. It has separate section for books, periodicals, journals and reference. It also provides e - resources for Reading, Circulation, Reference etc., For class rooms ICT facilities are adopted. The institute good infrastructure having separate buildings for individual departments with laboratories, seminar hall and class rooms, an administrative block with principal chamber, office section, examination section, a separate training and placement centre, a canteen, a class room complex, two auditoriums, basic science departments, PET research centre, a sports complex, aquatic centre, cricket stadium etc.

Human Resource Management: Most of the administrative work is decentralized. Administrative officer, in addition to all the official correspondence with government and university, also look into the office correspondence related to salary, attendance monitoring, leaves etc., Dean academic look into curriculum design and development, Dean Research look into registration and research activities, Controller of examination look in to examination and evaluation process, Coordinators of different committees, HoDs, student welfare officer, hostel wardens, estate officer, librarian, physical education director and office bearers different committees look after the responsibilities given by the principal or management.

Industry Interaction / Collaborations: The Industry-Institute Interaction Cell (IIIC) of the college, under the supervision of Dean, promotes the close interaction of various industries with different departments of the institute. The Industry-Institute Interactions have been made compulsory to enhance the field experience among the students. In order to enhance creativity and innovation, students are encouraged to undertake Mini Projects and Major Project and Industrial visits / interaction are included in all undergraduate and postgraduate programs. The faculty and students also participating in collaborative work with industries on innovative projects and research. It also helps to take up consultancy with industry.

Admission of students: The admission of students to various UG & PG degree programmes are as per the guidelines issued by the State Government /University / AICTE norms/Policies like; CET, COMEDK, GOI, SNQ and Management.

The qualified diploma candidates are eligible to join as Lateral Entry at the beginning of the

second year for third semester B.E. UG programmes as per the University norms.
The students can migrate from one branch or specialization to another branch or specialization at the same College or at another Autonomous/ Affiliated College under the University at the beginning of the second year for third semester following the AICTE/VTU/State Government norms.

6.2.2 : Implementation of e-governance in areas of operations:

- ❖ Planning and Development
- ❖ Administration
- ❖ Finance and Accounts
- ❖ Student Admission and Support
- ❖ Examination

Planning and Development:
Partially, the e-governance for Planning and Development is being practiced for communication and other aspects with the concerned

Administration :
The e-governance for Administration is being practiced partially through ECAP software for communication and other aspects like;

- Academic Management
- Faculty and Students information

Finance and Accounts:
The e-governance for Finance and Accounts is being practiced through Tally software for correspondence.

Student Admission and Support:
The e-governance for Student Admission and Support is being practiced through ECAP, KOHA software and College web portal (www.pescemandya.org) for communication and other aspects;

- Admission – collection of Students information
- Library Management
- Training and placement information
- Faculty and students information

Examination :
The e-governance for Examination is being practiced through ECAP software and College web portal (www.pescemandya.org) for correspondence.

- CoE Administration –
  - ➢ Circulars
  - ➢ Notices
  - ➢ results etc.,
- Examination process
- Issue of certificates

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
Oct 2018	Dr. H V Ravindra	Two Workshop on Outcome Based Education and NBA	Uma Nath Singh Institute & Technology, Jaunpur, Uttar Pradesh	17,420.00
Nov 2018	Dr. S Ghanaraja	Workshop on Laboratory Awareness Programme	GTTC Mysore	1,570.00
Feb 2019	Dr. H V Ravindra	Workshop on Outcome Based Education and NBA	Discuss the Training Faculty Member	24,540.00
June 2019	Pavan K N	Workshop on Heat Exchangers Design and Performance Evaluation in Power and Plants & Process Industry	ESCI Hyderabad	7,183.00
Jul 2018	Dr. Mahesh Gowda N M	Workshop on Emerging Technologies in shorts range Wireless Communication	RVCE, Bangalore	6,500.00
Nov 2018	Dr. Puttaswamy. P S	Workshop on Laboratory Awareness Programme	GTTC Mysore	1,570.00
Feb 2019	D M Srinivasa	Workshop on Laboratory Awareness Programme	IIT Madras	4,780.00
Nov 2018	Dr. H M Nanjundaswamy	Workshop on Laboratory Awareness Programme	GTTC Mysore	1,570.00
Nov 2018	Dr. N L Muralikrishna	Workshop on Laboratory Awareness Programme	GTTC Mysore	1,570.00
Mar 2019	N K Sachin	Workshop on Digital Manufacturing	NIE Mysore	2,495.00

Apr 2019	K Ravi	Workshop on New Web based PMSS software	BMS College of Engg. Bangalore	16,000.00
July 2018	Dr. M L Anitha	3 days workshop on Data Analytics and Learning	SJCE Mysore	3,700.00
Jul 2018	Geethanjali T M	3 days Workshop on Data Analytics and Learning	SJCE Mysore	3,700.00
July 2018	Ramyashree H P	3 days Workshop on Data Analytics and Learning	SJCE Mysore	3,700.00
July 2018	Dr. Nagarathna	1 day work shop on Machine Learning	RMZ Infinity, old Madras road Bangalore	2,180.00
July 2018	M Veena	3 days Workshop on Data Analytics and Learning	SJCE Mysore	3,700.00
Nov 2018	Dr. D R Umesh	1 day Workshop on Equlity Action Plan	BMS College of Engg, Bangalore	3,060.00
Oct 2018	Dr. D R Umesh	2 days Workshop on Outcome Based Education and NBA	Uma Nath Singh Institute & Technology, Jaunpur, Uttar Pradesh	17,420.00
Oct 2018	Girish Babu M C	2 days Workshop on Outcome Based Education and NBA	Uma Nath Singh Institute & Technology, Jaunpur, Uttar Pradesh	17,419.00
Oct 2018	Dr. S Vinay	Workshop on Verify the Date related to Internship	SJCE Mysore	1,600.00
Jan 2019	Dr. D R Umesh	5 days Workshop on Transformational Leadrship for Organizational Excellence	Portblair	76,655.00
Jan 2019	Girish Babu M C	5 days Workshop on Transformational Leadrship for Organizational Excellence	Portblair	73,255.00
Jan 2019	Kodandaram	Workshop on Library Technology Conclave	Cochin University of	10,559.00

			Science and Technology, Cochin	
Jun 2019	Kodandaram	Workshop on NDLI Club - Karnataka State workshop for Educational Institutions	Jnana Bharathi, Bangalore	1,000.00
Jul 2018	Dr. Shivalingegowda	Workshop on FDP for Student Induction Program	AIT Bengaluru	6,000.00
Feb 2019	Dr. Shivalingegowda	Workshop on Radiation and Application	IIT Hyderabad	13,960.00
Feb 2019	Pooja Nagpal	Workshop on Research Methodology and using of advanced statistical tools		25,620.00
March 2019	Dr. A C Kiran Kumar	National conference on Shift in Indian Business Environment	JSS-Mysore	3,495.00
May 2019	Pooja Nagpal	Workshop on Training on SPSS & AMOS	DAHS, Manipal	15,110.00
Feb 2019	Chandrika R	Workshop on Econometrics Tools Business Research	School of Management, Pondicherry University	14,217.00
April 2019	M.S. Mahesha	Workshop on New Web based PMSS software	BMS College of Engg. Bangalore	16,000.00

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non-teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018	Computer Aided Engineering Drawing (CAED)		01-06-2018 to 01-10-2018	35	

2018	Industrial oriented Hardware design workshop		01-05-2018 to 01-12-2018	41	
2018	Application of MATLAB & PLC in Electrical and Electronics Engineering		01-05-2018 to 01-12-2018	40	
2018	Application of MATLAB & PLC in Electrical and Electronics Engineering		01-06-2018 to 01-10-2018	25	
2018	International Conference on Emerging Research in Electronics, Computer Science and Technology (ICEREСT-18)		23-08-2018 to 24-08-2018	121	
2018	Industrial oriented Hardware design workshop		01-05-2018 to 01-12-2018	40	
2018	IQAC		03-09-2018	18	
2018	Finishing School (I, II & III Installment Placement)		27/01/2018 to 01-10-2018	66	
2018	Women's Day Celebration -2018		01-10-2018	100	
2018	3D Printing		03-08-2018	70	
2018	Project Management		04-06-2018 to 04-07-2018	58	
2018	E-Week		02-10-2018	40	
2018	Tall Building Designing		16/04/18 to 17/04/18	65	
2018	Applications of Lean Tools		05-09-2018 to 05-10-2018	40	
2018	Designing IOT Application using NODEMCU		04-06-2018 to 04-07-2018	30	
2018	IOT Based Electrical Technologies		07-02-2018 to 07-07-2018	28	

2018	Electronic Circuits Design using EDA Tools		07-02-2018 to 07-07-2018	30	
2018	Research Meet		24 to 25 May 2018 and 5 July 2018	60	
2018	Induction Programme (I Year Students)		13/08/18 to 09-02-2018	721	
2018	Vehicle Diagnosis		09-08-2018	92	
2018	Infrastructure Requirement for engine & Vehicle testing basis & legislation requirements		19/09/2018	104	
2018	Project Based Learning		29/10/2018 to 31/10/2018	150	
2018	REVIT Software		30/10/2018	82	
2018	Cloud Computing with Amazon Web Services		15/11/2018	25	
2018	Skill Development (FACE)		21/09/2018 to 22/09/2018	100	
2019	President & Dean Academic Binghamton University, New York, USA		12-02-2019	12	
2018	Assessing Performance of TEQIP-III		21/10/2018 to 22/10/2018	1	
2018	Being Innovative and Entrepreneur		09-08-2018 & 15/09/18 (2nd Day)	150	
2018	Machine/Deep Learning with MatLab		23/09/18 to24/09/18	131	
2018	Drives and Control		26/08/2018	48	

2018	Research Literacy Academic Writing, E-Resources and Research Quality Indicators		22/08/18	35	
2018	Patent Review Meeting		21/12/2018	6	
2018	Discussions Related to TEQIP-III		31/12/2018 to 01-01-2019	3	
2018	Research Congregate-2018		04-10-2018	60	
2019	Blockchain Technology & Cloud Computing using amazon Web Service		21/01/2019 to 25/01/2019	91	
2019	Application of Data Science & IoT		07-01-2019 to 12-01-2019	35	
2019	Industry Orientation Residential Winter Camp on Free Software/ Hardware		20/01/2019 to 24/01/2019	75	
2019	NBA for UNSIET		03-01-2019 to 08-01-2019	15	
2019	HACKMANIA 1.0		9th Feb 2019	100	
2019	Typhoon HIL Technology		1st Feb 2019	51	
2018	Discus R&D, III Cell and Plan of action		29/09/2018	20	
2019	Faculty Interaction		31/01/2019	195	
2019	Recent trends in Business Management		25/01/2019	40	
2019	ICT		29/01/2019 to 02-02-2019	35	
2018	Enhancing C Programming Skils		01-11-2018 to 03-11-2018	50	
2019	Technical Symposium on Women and Technology		09-03-19	120	

2019	Traits and attitude of students innovators and Entrepreneurs		16/04/2019	90	
2019	Plagiarism and Measuring of Scientific Productivity		27-04-2019	60	
2019	Android Application Development		15/04/2019 to 16/04/2019	50	
2019	Artificial Intelligence		15/04/2019 to 16-04-2019	57	
2019	Student Learning Assessment (SLA)		28/03/2019 to 30/03/2019	40	
2019	Pedagogy Training		01-07-2019 to 05-07-2019	30	
2019	Quality Control tools an Industrial Application		23/03/2019	42	
2019	Contribution to Agricultural Engineering		27/02/2019	100	
2019	Applications and Research Prospects of Thermodynamics		16/02/2019	120	
2019	SLA Survey		27/03/2019 to 28/03/2019		
2019	Accounts, Tally and Preparation of Audit Reports for account staff working in SPIU and TEQIP-III Institutions		21/05/2019	40	
2019	Internet of things with Rasberry Pi Microcontroller and FAGA Design with Verilog		31/03/2019 to 01-04-2019	52	
2019	Recent Developments in Water Jet Machining		04-05-2019	150 (students)	

2019	Second Mentor Visit		10-05-2019 to 12-05-2019	1	
2019	Web Application Development Using Node.js		15/04/2019 to 17/04/2019	35	
2019	Survey : Contract for consulting services		02-04-2019	45	
2019	Innovative Technical Projects Exhibition -2019		17-06-2019	53 (Batches)	
2018	Engine Design Emerging Technology		06-12-2018	100	
2019	GATE Coaching (ECE students)		04-01-2019 to 31/01/2019	28	
2019	Recent Advances in VLSI Design and Hands-on with CADENCE tool		15-07-2019 to 19-07-2019	50	
2019	Collaborative Research activities		19-08-2019 to 20-08-19	100	
2019	3D Structural Modelling		22-03-2019 to 23-03-2019	140	
2019	BoS Meeting		27-07-2019	30	
2018		Web Technology and its Application	16-07-2018 to 18-07-2018		5
2019		Network & System Administration	16-01-2019 to 18-01-2019		5

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Artificial Intelligence, Machine Learning and deep learning	5	23-27th July 2018 MIT Mysore

Machine Learning	5	17th to 21st July 2018, GSSS IETW,Mysore
Machine Learning	5	12 to 17 July 2018, Global Acdemy of Technology, Bangalore
Transformational Leadrship for Organizational Excellence	2	21 to 25 Jan 2019. Portblair
Outcome Based Education and NBA	2	8 to 10 Oct 2018, Uma Nath Singh Institute & Technology, Jaunpur, Uttar Pradesh
Computer Network and Cyber Security	2	16 to 20 July 2018, SJCE Mysore
Data Analytics and Learning	3	05 to 07 July 2018, SJCE Mysore
Data Analytics and Learning	3	05 to 07 July 2018, SJCE Mysore
Computer Network and Cyber Security	2	16 to 20 July 2018, SJCE Mysore
5 Days FDP ,Recent Developments of Solar Wind Energy System for on/off grid application	1	9 to 13 July 2018, MCE, Hassan
FDP ,Technical Institution meet held in Siemens centre of excellence	4	30 November 2018, GTTC Mysore
One week FDP, Recent Trends in Power sector for Sustainable Development.	2	17 to 21 December 2018, SJCE, Mysore.
Workshop , Energy Optimization in Data centres	1	5 Feb 2019, IIT, Madras
International Conference, Innovative In Power And Advanced Computing Technologies.	1	22 to 23 March 2019, BIT, Vellore.
LEAN Innovation	01	16th April to 17th April 2018
Recent Trends in Automotive Technology	01	25th June to 28th June 2018
Revamping Academicians to Intensify the Knowledge	02	26th June to 30th June 2018
Research Methodology	01	30th July to 4th August 2018
Autodesk Fusion 360	03	28th Jan to 1st Feb 2019
Digital Manufacturing	01	29th March to 30th March 2019
AICTE Recognized Short Term Course on Nanotechnology: Development & Challenges	02	27-31th May 2019 NITTTR, Chandigarh
Faculty Development Program on Recent advancement in Renewable	01	22nd September to 26th July 2019, PESCE, Mandya, Karnataka

Energy Technology		
Faculty Development Program on Processing and Applications of Composite Materials	02	30th September to 05th October 2019, PESCE, Mandya, Karnataka
Blockchain Technology & Cloud Computing using Amazon Web Service	6	21st to 25th January 2019
Applications of Data Science & Internet of Things	7	7th to 12th Jan 2019
Research Literacy: Academic writing, E-Resources & Research Quality Indicators	3	22nd Sep 2018
"Big Data Analytics with IoT"	5	18th to 20th Jan 2019
Artificial Intelligence, Machine Learning and Deep Learning	1	23rd to 27th July 2018.
AICTE-UKIERI Technical Leadership Development programme (Phase 1)	1	19th – 22nd Nov 2018
AICTE-UKIERI Technical Leadership Development programme (Phase 2)	1	Feb 26th – Mar 01st 2019
Use Cases, Challenges and Research Avenues as part of UGC sponsored National Level Symposium on Internet of Everything	1	Mar 2nd 2019
Three days Workshop on "Foundation course on Data analytics and learning"	3	5th to 7th July 2018
Five Days FDP on "Recent advances in machine learning"	1	17th to 21st July2018
One Day Pre conference Tutorial on "Deep Learning with MATLAB"	3	22nd Aug 2018
Three days FDP on "Big data Analytics with IOT"	4	18th to 20th Jan 2019
Three days Faculty Development Programme on "R - for Data Science"	1	10th, 11th & 12th July 2018,
One Week Fdp Training In IIT Madras	03	01-05 JULY2019
Workshop on "REVIT Architecture"	29	30-10-2018 (1 Day)

Workshop on "Research Literacy: Academic Writing, e resources and research quality indicators"	8	22-09-2018 (1 Day)
Workshop on " 3D Structural modeling"	4	23-03-2019 (2 Days)
International conference-Innovative World of concrete	2	19-09-2018 – 22-09-2018 (4 Days)
Induction program on Geo-Informatics for natural resources management	1	16-07-2018 – 21-07-2018 (6 Days)
The education expo	3	14th to 15th June 2019, Bangalore University campus, Bangalore
Aspire Ideate synchronize widen thoughts capture the goal	4	28th to 30 September 2018, VVIET, Mysore
The internationalization of Higher Education : A paradigm shift	2	18th December 2018 Dr. AIT, Bangalore
Evolution of research techniques, tools and commpercialisation aspects	1	21st to 25th Jan 2019, MIT Mysore
Nanotechnology development and challenges	3	24th to 30st June 2019, NITTR, Chandigarh
Advance mathematical tools in engineering application	3	2nd to 6th July 2018, MCE, Hassan
Leadership and Management for teachers	1	18th to 22nd June 2019,NIITR,Kolkata

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
141	66	96	103

6.3.5 Welfare schemes for

Streamlined HR policies are vital for employee motivation and work satisfaction. The management of the institution has a framework of systems in place for employee enrichment. The institution takes utmost care in recruitment and promotion of employees.

The institution gives priority for continuous enhancement of professional skills of its employees.

Programmes are organized at various levels to enhance the competency of its faculty and non-teaching staff.

The institution has a welfare mechanism in place, for teaching and non-teaching staff. Under welfare measures the institution provides P.T Exemption and one additional increment for both teaching and nonteaching faculty according to KCSR norms.

The other facilities provided for both teaching and non-teaching faculty are as follows:

1. **Teaching Faculty:**
   - Contribution for employees provident fund scheme
   - Gratuity paid as per Gratuity Act for Staff members
   - Deputation of faculty for Ph.D/Post Doctoral research with leave benefits
   - Leave encashment benefit for employees
   - Maternity leave given to the lady faculty members
   - Paternity leave given to the gents faculty members
   - Special leave to attend conferences, FDPs, workshops, seminars and symposia.
   - Special leave to participate in academic bodies like BoS, BoE, Doctoral committee, etc.,
   - Provides financial aid and leave benefits to encourage for presenting their research papers
   - Loan facilities from welfare fund(s)
2. **Non – Teaching Staff:**
   - ✓ Contribution for employees provident fund scheme
   - ✓ Gratuity paid as per Gratuity Act for Staff members
   - ✓ Leave encashment benefit for employees
   - ✓ Maternity leave given to the lady faculty members
   - ✓ Paternity leave given to the gents faculty members
   - ✓ Maternity leave given to the lady faculty members and staff
   - ✓ Loan facilities from welfare fund
   - ✓ Financial assistance for training programs for their promotions
   - ✓ Encouragement to attend workshops and seminars with leave and financial benefit.
3. **Students:**
   - ❖ Financial support to the students to attend the Seminars, Conferences, Competitions.
   - ❖ Scholarship for the meritorious and weaker section students.
   - ❖ Financial support for project, research work and competitive exams like GATE coaching.
   - ❖ Financial support for sports and cultural activities

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes,

The institution, regular intervals, carryout both internal and external audits by certified chartered accountant appointed by the management.

The institution has a pre-defined mechanism for internal and external audit.

- Internal audit is conducted by the internal auditor of the Institute once in a year.
- External audit is conducted by the chartered accountant once in a year.

The income and expenditure details of the institution under various heads are regularly maintained using Tally and a day book is separately maintained showing the statement of accounts.

Internal audit of our institution account is conducted by a chartered accountant appointed by the management every year at the end of financial year. The Institution identified Chartered Accountant is conducting the audit of our institution. The auditors check and verify the financial accounts every month and at the end of the academic year overall financial audit for the complete year is conducted. Since our institution is aided by Govt. of Karnataka, apart from the internal audit, the Auditors from Govt. AG office conduct the external audit every year.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
Alumni fund	**3,25,000**	**Student's best project award, Students activities of alumni associations of each department**
Donors' fund	**3,00,000**	**Meritorious awards, Best chapter awards etc.,**
Research fund	**2,75000**	**Paper publications and expenditure towards Ph.D, Registration fee for participation in conferences**

6.4.2 Total corpus fund generated : 10325000

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AAA Committee	Yes	AAA Committee
Administrative	Yes	Govt./VTU	Yes	Internal Auidit by Chrtered Accountant

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

- Every year, on orientation day itself parents of first year B.E. students meeting will be conducted along with HoDs and faculty in the respective department to brief about the facilities in the college and the responsibilities of the parents about their wards.
- Every year, on graduation day itself parents of final year B.E. students meeting will be conducted along with HoDs and faculty in the respective department to collect the feedback and suggestions about the college and respective programme and department on the basis of their wards input.
- Mutual interaction will take place between the parents and teachers/HoDs/Deans/CoE/TPO, etc., on the academic performance and activities of their wards as and when they visit the college.
- Head of each department/respective committee members are keeps constant with the parents for updating them about the progress of their wards.

Mutual interaction will take place between the parents and teachers/HoDs/Deans/CoE/TPO,

etc., on the overall performance and activities of their wards when they visit the college on the occasion of college cultural/sports fest(s).

6.5.3 Development programmes for support staff (at least three)

- Three days workshops on "Web Technology and its Application" from 16-07-2018 to 18-07-2018
- Three days workshops on "Network & System Administration" from 16-01-2019 to 18-01-2019

6.5.4 Post Accreditation initiative(s) (mention at least three)

a. Submission of reports for nirf - Ranking : obtain 161th Ranking
b. Introducing soft skill, elective and open elective courses for B.E programmes
c. Effective Annual Academic Audit for the faculty from the committee with management and external subject experts
d. Revision of curriculum and modification in Question paper pattern
e. Enhancement in infrastructure for class rooms and refurbishment of laboratories with ICT facilities.
f. Procurement of modern equipments for laboratories and workshops

6.5.5

a. Submission of Data for AISHE portal : Yes
b. Participation in NIRF : Yes
c. ISO Certification : No
d. NBA or any other quality audit : Yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2018-19	Induction Programme for 1st B.E Students	16-08-2018	21 Days From 16-08-2018 to 01-09-2018	645
2018-19	Academic Administrative Audit	14-09-2018	14-09-2018 to 15-09-2018	141
	Introduction of choice based system with OBE for UG programs	30-11-2018	30-11-2018	25
	IQAC		1day 03-09-2018	18
	Women's Day Celebration -2018		1day 01-10-2018	100

CRITERIONVII –INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male
Women Empowerment in Today's Era	01-10-2018	300	00
Blood donation camp- PESCE	30-10-2018	50	170
Trekking camp- at Mullayanagiri, Chichamagalur,.	11-11-2018	18	34
Swachh Bharath Abhiyaan-"Harm caused by plastic".	25-03-2019	30	30
Voluntary Blood Donation Camp	04-04-2019	30	150
"International Yoga day"	21-06-2019	30	70

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources.

To have a pollution free environment and to meet the scarcity of electricity we have planted solar plants in the campus and maintain environment consciousness.

Solar Energy: Estimated total power consumption in the college is 60000 units/ month. The institute has commissioned 240 kW roof top solar PV plant in Golden Jubilee Block and Hostel buildings. Approximately 30000 – 36000 units of power is generated per month which is the saving in consumption of electric power. **Environment Consciousness: Yes;** Green Audit is conducted by both Internal and External Agencies. The methodology and implementation of the green audit findings are recorded in a manual. Institution maintains a clean and green environment within the campus. The Institution ensures the green environment by establishing a separate maintenance department. The maintenance team takes care of the up-keeping of the environment and ensures to keep the surroundings clean. It maintains the lawn and plantations by employing gardeners and the cleanliness has been maintained by employing sufficient number of sweepers. The maintenance staff members do periodic checks and maintain records for the same. The green audit of the campus and its facilities is a regular event in this Institution. Our Institution takes more interest in maintaining the campus highly eco - friendly and energy conservative. The campus looks green by planting more trees which ultimately gives a pleasant feeling for the students to learn and for the faculty members to work. Many initiatives are taken by the management to inculcate the eco-friendly culture among the student community

Campus eco-friendly

- Use of Renewable Energy
- Water Harvesting
- Plantation
- e-waste Management

The greenery in the campus aids in soil quality protection, watershed, landslide stabilization erosion control, and windbreaks. Such plantations are established to foster native species and promote forest regeneration on degraded lands as a tool of environmental restoration. The college is surrounded by ample greenery along with artificial landscaping in the heart of the campus.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/ Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	No	Nil
Scribes for examination	Yes	On registration the scribes can be provided
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2018	1	3	22-10-2018	Women's Day Celebration	Creating an awareness on the capabilities and importance of women	250
	1	5	01-11-2018	Internet awareness Program for Rural areas	Creating awareness on Internet	400
	1	3	21-6-2019	"International Yoga day" - "Asanas". "Yogasanas"	Importance of Yoga	100
	1	2	17-8-2018	Flood Awareness Walk	Awareness about flood	150

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)
1. Green Audit 2. Rain Water Harvesting 3. Use of Renewable Energy 4. Afforestation 5. Waste management 6. Generation of Bio Diesel 7. Mobile and Smoke Free Campus

7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	Date of Publication	Follow up (maximum 100 words each)
Academic Regulations for the students	16-8-2018 Beginning of the academic year	Implementation and follow up is regularly taken up by the HOD's, Dean administration, Dean Academics and Principal
Examination regulations for the faculty and students	16-8-2018 Beginning of the academic year	Implementation and follow up is regularly taken up by the HOD's, Controller of Examination, Dean administration, Dean Academics and Principal

7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration (from------to------)	Number of participants
Revamping Academics to intensify the Knowledge	25-06-2018 to 30-06-2018	55
Induction Program Universal Human Values, Personality Development, Yoga and Meditation	16-8-2018 to 02-09-2018	645

7.2 Best Practices

7.2.1: Describe at least two institutional best practices

Best Practices:

- **Curriculum Design and Development:** As per AICTE and NBA guidelines and Washington Accord, we have implemented choice based credit system (CBCS) with Outcome Based Education (OBE). To cater the academic needs of students with latest technologies, the syllabus has been revised at regular intervals on par with industry. The faculty and students are encouraged to register for MOOCs Courses like NPTEL, Swayam, etc.,
- **Examination System:** The examination system has been modified to make it more transparent both in Continuous Internal Evaluation as well as Semester End Examination. We are providing viewing of answer scripts in both CIE and SEE before the announcement of results of UG and PG programmes. In case of any discrepancies found by the students are addressed at DUGC and DPGC meetings held in the respective departments and same has been sent to the CoE office for approval. Finally the results will be announced within a week after the final examination of the respective programme.
- **Training and Placement activities:** The institute has an independent training and placement cell, which exclusively train our students to acquire Technical/soft skills through different mandatory credit courses from I-Sem to VI-Sem BE and also placement activities. Rigorous trainings are conducted by outsourced resource persons so as enable the students to develop various skills to get placed in reputed companies.
- **Training programs for faculty/Staff/Students:** To acquire knowledge about current trends in Science and technology, the Institute conduct various Seminars/ FDPs/ SDPs/ Conferences/ Workshops etc., regularly for students, faculty and staff. To gain the knowledge about recent developments in industry, Industry-Institute Interaction Programs are conducted in the campus and also Projects are done by the students from different Industries. Faculty and students are also carried out their research work in collaboration with Industries and Institutions with incentives.
- **Annual Academic Audit:** An Annual Academic Audit (AAA) committee has been constituted by management and Principal with Subject experts. Every year in the month of August / September AAA conduct Interaction with Faculty on the basis of Self-Appraisal Report submitted by them. Experts discussed about the grievances and gave the suggestions for the improvement of Academic activities of the faculty.

7.3 Institutional Distinctiveness

PES College of engineering established in the year 1962 is;

- An Autonomous Institution affiliated to VTU Belagavi
- Obtained academic autonomous status in the year 2008 by UGC and is currently in-force
- Grant in aid institution by Government of Karnataka
- Recognized by AICTE New Delhi
- Funded Under TEQIP-II & III by World Bank - MHRD with Rs.10.00 cr. and 7.70 cr.
- Accredited by NAAC with **B++** grade having CGPA of 2.99 during 2018
- Thrice Accredited by NBA, AICTE New Delhi for UG programmes
- Ranked as **161**st Rank by MHRD under **nirf**-2019

UG Programs of the institute have been accredited twice by NBA (AICTE) (during 2004 & 2008). Further, Six UG programs have been accredited under **Tier-I** during 2017 for the third time.

Centers of excellence established by the institution facilitate the necessary infrastructure for the students/faculty to develop avenues for carrying out and executing innovative ideas through projects and research works. These centers provide ample opportunity for the students and staff to comprehend the latest industry practice and upgrade their knowledge through industry relevant projects.

The Institute has established its distinctive approach towards its complete Vision by;

(a) **Excellence in Academics** provide value-added experience for the students achieved by well designed curriculum to meet the global requirements and through teaching-learning methods blended with ethical values. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them.

(b) **Exploration of Knowledge through Research** has transformed into a centre for major research to offer high quality teaching through;

- Synergies between Research & Education Activities
- Research Based Teaching & Learning

The institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. The Research Centers of the departments and Laboratories are equipped for advanced technology to facilitate the academic and sponsored research projects.

(c) **Encouragement to Innovation & Entrepreneurship** provides a platform to Start-ups to develop their ideas into commercially viable products. The student's participation in innovative minor and major projects is rewarded. PESCE encourages the stakeholders to incubate the selected projects for Patents/Startups and infrastructure based on their credentials. Industry Institute Interaction Cell crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship.

(d) **Development of a Versatile Personality with Global Vision and Social Responsibility** through student's participation in Co-Curricular Activities and Extra Curricular Activities steered by professional bodies and student associations and value-added education with global standards & interdisciplinary research. Experiences and appreciations gained through these activities & academics assist students during internships. Career guidance, Personal counselling, Training are well structured through a Training and Placement Centre.

Further,

Institution follows a multi level evaluation process to support a continual renewal by;

- ✓ Self Appraisal by Teaching and Administrative Staff
- ✓ Peer Evaluation Process of Student Evaluation

- ✓ Academic Audit
- ✓ Stakeholders Feedback
- ✓ Management Appraisal

8. Future Plans of action for next academic year (500 words)

Institute also has a vibrant Industry Institute Interaction Cell, and a full-fledged Training and Placement Cell. Our alumni are found in several blue chip organization in India and abroad.

We have following future plans of action:

- ❖ Encourage the faculty for Mobilization of research fund by applying projects through various funding agencies.
- ❖ MOUs with different institution on Collaborative Research Work and Publication of research papers in reputed journals
- ❖ Establishing single window management Information System for collecting the information through online.
- ❖ Establishing a common network system for feedback from all stakeholders.
- ❖ Prepare a common questionnaire to conduct Student Satisfaction Survey (SSS) for every year and data must be analysed
- ❖ Faculty must upload the reading materials in our college web portal.

Modernization of laboratories.

Provide education that meets the global standard and be responsive to educational need of the students.

Exchange of faculties and best practices to bring a holistic learning experience.

Provide the necessary infrastructure and seed fund for incubating the ideas.

Strengthen the campus wide networking for digital communication and access.

Up-gradation of central library facilities.

Improvement of quality of faculty publications.

Name : Dr. Shivalinge Gowda *Name Dr. H. V. Ravindra*

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Signature of the Coordinator, IQAC *Signature of the Chairperson, IQAC*

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P.E.S. COLLEGE OF ENGINEERING

MANDYA – 571 401, KARNATAKA, INDIA

(An Autonomous Institution affiliated to VTU, Belagavi)

Composition of PESCE – IQAC Committee as per the New Guideline

Sl. No.	Composition of IQAC		Members	Designation
1	Chairperson		Dr. H V Ravindra	Principal, PESCE
2	Member from Management		Sri. S L Shivaprasad	Trustee & G. C. Member
3	External Experts	Academic/Research	Dr. K V A Baliji	CEO, KSIT, Bengaluru
		Alumni/Industry	Dr. M T Aravind	CEO, AMPLEBIT Tech. Bengaluru
4	Senior Administrative Officers		Dr. Nagarathna	Professor & Dean (Academic), CSE
			Dr. K N Narasimha Chary	Professor & CoE, IPE
			Dr. Ajit Prasad	Professor & Dean (Research), ME
			Sri. Sheshappa	Assistant Administrative Officer
5	Teachers from different levels		Dr. K A Radhakrishna Rao	Professor and Head, ECE.
			Dr. R M Mahalinge Gowda	Professor and Head, CE.
			Dr. R Girisha	Professor &TPO, CSE
			Dr. M N Veena	Professor, MCA
			Dr. Umesh D R	Associate Professor, CSE
			Dr. Kiran Kumar	Assistant Professor, MBA
			Sri. T M Devegowda	Assistant Professor, ME
			Sri. Kodandarama	Assistant Librarian, PESCE
6	Student Representative		Preetham G J	7th Semester, ECE
7	IQAC Coordinator		Dr. Shivalinge Gowda	Professor & Head, Physics