Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**P. E. S. COLLEGE OF ENGINEERING, MANDYA**
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.	**9986025372**
Registered Email	**principal@pesce.ac.in**
Alternate Email	**mailhovera@gmail.com**
Address	**P.E.S. College of Engineering, K V Shankaragowda Road, Mandya**
City/Town	**Mandya**
State/UT	**Karnataka**
Pincode	**571401**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**10-Oct-2019**
Type of Institution	**Co-education**
Location	**Semi-urban**
Financial Status	**Self financed and grant-in-aid**
Name of the IQAC co-ordinator/Director	**Dr. Shivalinge Gowda**
Phone no/Alternate Phone no.	**08232220043**
Mobile no.	**9449679429**
Registered Email	**iqac@pesce.ac.in**
Alternate Email	**sgowda.pesce@gmail.com**

3. Website Address

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

4. Whether Academic Calendar prepared during the 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

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.99**	**2018**	**16-Aug-2018**	**15-Aug-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**29-Nov-2016**

7. Internal Quality Assurance System

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
Analysisof Feedback from the Studentson Faculty	**08-Jun-2019** **1**	**202**

and action taken for the improvement			
Academic Administrative Audit (AAA) conducted and its follow up action are discussed	19-Sep-2019 1		202
Discuss about NBA accreditation for other UG programmes and conduction of Pedagogy training programmes	30-Mar-2019 1		29
Formation of IQAC committee as per the New guidelines of NAAC & Discussion about plan of action on Peer team report	30-Mar-2019 1		17
Preparation of PESCE: IQAC	19-Jan-2019 1		17
2nd time Applying for NIRF	30-Oct-2019 1		20
Revision of curriculum for Choice Based Credit System with OBE & Open elective courses for UG programs	01-Aug-2019 1		23
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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	TEQIP2	MHRD/World Bank	2011 1460	100000000
PES College of Engineering	TEQIP-3	MHRD/World Bank	2018 730	77000000
Dr. M. C. Padma	Project	VGST	2015 1460	2000000
Dr. S L Ajit Prasad	Project	AICTE	2017 1095	1000000
Dr. Minavathi	Project	VGST K-FIST LEVEL (1)	2017 1095	2000000
Dr. H.S. Sheshadri	Project	VGST	2014 365	2000000
Prof. M J Anand	Project	VGST(SMYSR)	2017 1095	500000
Dr. B. Ramachandra	Project	Department of Industries & Commerce Govt.	2012 730	50000000

		of Karnataka		
Dr. L Prasanna Kumar	Project	Ministry of Earth Sciences, Govt. of India, New Delhi	2014 365	1595120
Dr. L Prasanna Kumar	Project	Karnataka State Bio fuel Development Board, Panchayath Raj Dept. Govt. of Karnataka	2012 365	450000
		[View File](#)		

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
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: As per the previous year suggestions PET® constructed a new class room complex to fulfil the class room requirements for both UG and PG students.**

- **Proposals : IQAC proposed to apply for nirf and Atal Ranking of the college. We applied for both and acquire 2018-19, 161th Rank and in 2019-20, 147th Ranking in nirf and during 2019-20 we have 2nd rank in the category of Govt. And Govt. Aided institutes and Colleges.**

- **Teaching Learning : Digital boards are installed for each department of different engineering branches, smart class rooms and other seminar halls as well as training and placement centre. ICT facilities are increased and the faculty are encouraged to use ICT facilities for Teaching – learning processes, Seminars etc., New laboratory equipments were purchased from TEQIP - III as per new curriculum requirements. More numbers of seminars, FDPs were conducted.**

- **Motivation – Faculties and students are motivated by providing financial support for the submission of research papers in reputed Journals,Research expenditure during Ph.D and participating in various FDPs, Seminars, Conferences etc.,**

- **Training & Placement Centre – Students are motivated to participate in Placement training programmes conducted through TPC on Soft skill and various training programs are conducted for the students from I- Sem to VI – Sem. More number of training programmes were conducted for Non-IT students of Civil, Mechanical, Auto and Industrial production department students.**

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

Plan of Action	Achivements/Outcomes
g. Proposal for change of question paper pattern	g. From 2019-20 for all B.E. UG programmes the question paper pattern was revised.
f. Submission of pre-qualifier for the rest of the programmes for NBAaccreditation	f. Discussion are made to prepare the Pre-qualifier for two UG and few PG programmes
e. Progress regarding Results and Research work as well as placement	e. Significant improvements in results, research through publication of papers and producing Ph, Ds and students were placed in reputed companies.
d. Proposal for Atal ranking of institutions on Innovation Achievements	d. During 2019-20 our collage is Ranked "2" in category of Govt. And Govt. Aided institutes and Colleges
c. Proposal for nirf ranking	c. 161th rank is achieved from nirf from MHRD during 2019 During 2019-20 there ia better achievement in nirf with 147 th Rank
b. More number of training programmes to be conducted for Non-IT branch students from TPC.	b. More number of Non-IT students were participated in training programmes conducted by TPC and more number of students were placed in companies.
a. Revision of syllabus for B.E. programmes by introducing open elective courses from VI to VIII Sem of all branches	a. Revision of syllabus for B.E. programmes are done by introducing open elective courses from VI to VIII Sem of all branches.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
College Council Meeting	25-Apr-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	20-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Management information system (MIS): a) eCAP software: MIS in PESCE works on ecap 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/sheis 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 enterpriseclass ILS with comprehensive functionality including basic and advanced options. Koha includes modules for acquisitions, circulation, cataloguing, serials management, authorities, flexible reporting, label printing, multiformat notices, offline circulation for when Internet access is not available, and much more. KOHA will work for consortia of all sizes, multibranch, and singlebranch 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. Webbased Interfaces. KOHA'S OPAC, circ, management and selfcheckout interfaces are all based on standardscompliant World Wide Web technologies-XHTML, CSS and JavaScript -making KOHA a truly platformindependent 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 to 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.

Part B

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 Specialization	Date of Revision
BE	AUE, CVE, CSE, ECE, EEE IPE, ISE,	P18(5th and 6th Sem) P17(7th and	17/08/2019

Mtech	MECE, MCAD, MCIM, MMDN, MCSE, MCEN	P18**(1st Sem to 4th Sem)	17/08/2019
MBA	MBA	P18** (1st Sem to 4th Sem)	17/08/2019
MCA	MCA	P18** (1st Sem to 6th Sem)	17/08/2019
				8th Sem)	

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	AUE	01/08/2019	Mechanics of Materials - P18 AU 32	01/08/2019
BE	CVE	01/08/2019	Building Materials and Construction - P18CV32	01/08/2019
BE	CSE	01/08/2019	Digital Logic - P18CS32	01/08/2019
BE	ECE	01/08/2019	Analog Electronic Circuits (CC-2) - P18EC32	01/08/2019
BE	EEE	01/08/2019	Electrical circuit Analysis - P18EE32	01/08/2019
BE	IPE	01/08/2019	Core Course – I- Engineering Metrology - P18IP32	01/08/2019
BE	ISE	01/08/2019	Digital Design - P18IS32	01/08/2019
BE	ME	01/08/2019	Material Science & Metallurgy - P18ME32	01/08/2019
MBA	MBA	01/08/2019	Marketing Management - P19MBA12	01/08/2019
MCA	MCA	01/08/2019	Discrete Mathematical Structures - P18MCA12	01/08/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	15/01/2020
BE	MBA	15/01/2020
MCA	MCA	15/01/2020
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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	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	MBA	07/09/2019

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
AVR Micro controller	01/08/2019	120
Technical Skills -I	01/08/2019	120
Cyber Security	01/08/2019	60
Data Analytics Lab	01/02/2020	120
Udemy	01/08/2019	20
Aptitude Reasoning Development-Advanced	01/08/2019	350
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	AUE : Internships	35
BE	CVE : VIII Semester Projects	133
BE	CSE : VIII Semester Projects	25
BE	ECE : Industry project / Internships	152
BE	EEE : Internships	51
BE	IPE : Internships	18
BE	ISE : Internships	35
BE	ME : Projects	45
MBA	PG - MBA : Internships	58
MCA	PG – MCA : Projects	39
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.	
Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The feedback obtained from all its stakeholders are reviewed and incorporated to 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. The following procedures are adopted for the evaluation of the stakeholders. Students: Students Feedback is taken at the end of each semester for each subject as course end survey. The same is reviewed during faculty reviewed mechanism 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 of the course syllabus contents at BoS meetings. After lot of deliberations at Academic Advisory Committee and BoS, the revised syllabus will be approved in the Academic council meetings. Alumni: Alumni are requested to give the feedback regarding the curriculum during Syllabus revision. This will take place during BoS meetings at the department level, as Alumni are invited as BoS members for revision of the course syllabus contents. 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 also 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, after reviewed the feedback of all stakeholders, necessary action will be taken in curriculum design, teaching learning methods, training and placement activities, etc, will be approved the Academic Council for overall development of the institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled

MCA	MCA	60	9	9
MBA	MBA	60	57	57
Mtech	MECE, MCAD, MCIM, MMDN, MCSE, MCEN	108	31	31
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	820	712	700

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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 fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2836	299	170	32	79

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	Numberof smart classrooms	E-resources and techniques used
202	190	75	96	15	22

View File of ICT Tools and resources

View File of E-resources and techniques used

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 for both teachers and students 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 and personal development. - Ongoing process: Regular meetings are held between mentor and Students and a record is maintained for 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 and even 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 guides 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 in consultation with 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
3135	202	1:16

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
202	202	Nill	14	54

2.4.2 – Honours and recognition 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, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. S.L. Ajithprasad (National)	Professor	Best Teacher Award (Kannada Sahithya Parishath)
2020	Dr. K. M. Jagadeesh (State)	Professor	VTU Syndicate Member
2020	Dr. K. B. Siddegowda (State)	Professor	VTU Syndicate Member
2019	Dr. T. M. Prakash (State)	Professor	Best Teacher award
2019	Mr. B. S. Yoga (State)	Assistant Professor	Class B Award (IIT BOMBAY conducted Workshop on "ROBOTICS " and "TASKS")
2019	Dr. S.L. Ajithprasad (National)	Professor	Vibration and Noise Analysis of Parallel Shaft Gear Drive Systems
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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
MCA	MCA	I, III, V	16/01/2020	25/01/2020
Mtech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	I, III	16/01/2020	25/01/2020
BE	AUE, CVE, CSE, ECS, EEE, IPE, ISE, ME	I, III, V, VII	28/12/2019	04/01/2020

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
8	3142	0.25

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)

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

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	731	721	98.9
MECE, MCAD, MCIM. MMDN, MCSE, MCEN	Mtech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	75	75	100
MBA	MBA	MBA	58	57	98.28
MCA	MCA	MCA	39	39	100

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)

http://www.pescemandya.org/supple_result_19-20.php

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
Name of the teacher getting seed money
Bhavya M R

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

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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	Amount received during the year
Students Research Projects (Other than compulsory by the University)	180	World Bank (MHRD)	6.88	6.88
Any Other (Specify)	365	Research centre PET (R)	1.2	1.2
Major Projects	1460	VGST (SMYSR)	5	5
Major Projects	1460	VGST (K-FIST LEVEL (1)	20	10
Major Projects	1460	VGST	20	20
Major Projects	1095	AICTE	10	10

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

0

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
Present and Future of Automotive Electronics"	Automobile Engineering	21/09/2019
Four day work shop on "BIM, RIVIT software, miniature modelling"	Civil Engineering	21/01/2020
workshop on Android Application Development using block coding	Computer Science and Engineering	20/01/2020
Workshop on "Project Based Learning"	Electronics and Communication Engineering	09/09/2019
Recent Advancement in Renewable Energy	Electrical and Electronics Engineering,	27/07/2019

Technology		
Processing and application of composite materials	Industrial and Production Engineering.	30/09/2019
C Programming Puzzles	Information Science and Engineering.	20/01/2020
Modern Equipments in Mechanical Engineering	Mtchanica Engineering	13/01/2020
Project Proposal for Different Funding Agencies	PET Research Center	20/09/2019
Gender Equality and role of Women	TEQIP Cell	21/10/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Infotsav-2019	Karthik R.M	S.J.C.E, Mysuru	12/10/2019	Student
GKDC Workshop Go-Kart Design Challenge (GKDC)	Sohan Varghese V	Thiagarajar College of Engg. Madurai	19/10/2019	Student
Industrial training Program Noise Vibration Analysis Methods	Sayeed Ahamed K I	CMTI, Bangalore	20/10/2019	Student
Study of Forced Vibration Characteristics of Beams	MaheshA T M	PESCE, Mandya	14/06/2019	II
Water Pressure Monitoring and Alaram System Using IOT	Monish. M	PESCE, Mandya	14/06/2019	II
Restaurant Table Order App	Pavan K R	PESCE, Mandya	14/06/2019	I
Crime pattern protection using Machine learning Algorithms	Janavi	PESCE, Mandya	14/06/2019	I
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement

| Department of CSE | IOT Lab | Govt. of Karnataka | Bio- Fuel Centre | 1. Production marketing of Organic cakes, Soap Oils, Soups, Cleaning oil etc., | 01/08/2019 |
| Department of CSE | MSME | Govt. of India | Bio- Fuel Centre | 2. Production marketing of Bi products of Neem Pongamia Oil | 01/08/2019 |

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Automobile Engineering	2
Computer Science and Engineering	1
Electronics and Communication Engineering	2
Electrical and Electronics Engineering	1
Industrial and Production Engineering	2
Information Science and Engineering	1
Mechanical Engineering	9
Mathematics	3

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Physics	4	0.79
International	Chemistry	3	0.86
International	Computer Science and Engineering	24	2.22
International	Electronics and Communication Engineering	35	2.35
International	Electrical and Electronics Engineering	14	1.27
International	Industrial and Production Engineering	6	1.08
International	Information Science and Engineering	5	1.15

International	Mechanicak Engineering	14	1.39
International	Master of Coputer Applications	14	1.68
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mathematics	1
Mechanical Engineering	29
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	1
Computor Science and Enginneering.	1
Automobile Engineering	4
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Method, Systems and Apparatus for Efficient High Speed Elliptic Curve Point Multiplication Over Prime Field	Filed	201841032883	06/03/2020
Method, Systems and Apparatus for Fast Multi Scalar Elliptic Curve Point Multiplication Over Prime Field	Published	201841032882	06/03/2020
A system a method for close proximity notification in retail environment	Published	201741021215	21/06/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Effect of nano-sized tio2 particles	Dr.H M N anjundaswa my ,Raghu S,M	Internat ional Journal	2019	1.28	PES College of Engineerin g, Mandya	17

on the wea rbehaviour of aluminium composites synthesize d by stir casting method	Sreenivasa					
The Cototal Hub Number in Graphs	Yasien Nafe shawawreh and B. Shanmukha	International Journal	2019	1.15	PES College of Engineerin g, Mandya	11
Studies on Mechanical Properties of Banana Fibre Reinforced Polyester Composites	S.V.Anil kumar and R.Gandhina than	International Journal	2019	1.48	PES College of Engineerin g, Mandya	14
Identifi cation of Tooth Damage in a Gearbox by Vibration Signal Analysis",	Ajit Prasad S L, Dhanush D,	International Journal	2019	1.73	PES College of Engineerin g, Mandya	19
Liver Isolation from Abdomen CT	Dr Minavathi, Geethanjal i T M,	International Journal	2019	1.22	PES College of Engineerin g, Mandya	16
Efficiency of Buck DC-DC Swithing Power Converter in CCM and SDCM of Operation	Mahesh Gowda NM	International Journal	2019	1.01	PES College of Engineerin g, Mandya	9
Fusion Techniques for the Breast Cancer Detection	M C Padma, Veena M	International conference	2019	0.73	PES College of Engineerin g, Mandya	14
a study With special	Dr. Alure Gowda	International Journal	2020	1.25	PES College of Engineerin	18

Title of the paper	Name of Author	Title of journal	Year of publication		Institutional affiliation	
reference to ICICI bank					g, Mandya	
Automated Quality Inspection of PCB Assembly Using Image Processing	Dr. Punith Kumar M B	International Journal	2020	1.36	PES College of Engineering, Mandya	42
Bacterial Foraging Optimization Based Maximum Power Point Tracking for Photovoltaic System under Partially Shaded Condition with Interleaved Resonant Fly-back Converter	Mr.Sunilkumar C	International Journal	2020	1.5	PES College of Engineering, Mandya	8

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Ref. 3.4.5	Authors of PESCE, Mandya	Scopus Indexed and Other Journals	Nill	6	76	PES College of Engineering, Mandya
Ref. 3.4.5	Authors of PESCE, Mandya	Scopus Indexed and Other Journals	2019	8	85	PES College of Engineering, Mandya

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	9	156	78	59

Presented papers	78	16	Nill	Nill
Resource persons	Nill	2	Nill	Nill

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(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	Department of Civil Engineering, PESCE Mandya and others	1535957
Govt. of Karnataka	Bio Diesel and Bi-products	Bio-Fuel Centre	120000

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0

No file uploaded.

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 participated in such activities	Number of students participated in such activities
Induction programme Phase - II (SIP)	PESCE Mandya	12	630
Induction programme Phase - I (SIP)	PESCE Mandya	12	675
A quiz competition on aptitude	PESCE Mandya	5	285

Trekking camp	ISTE, PESCE Mandya	4	50
Voluntary Blood donation	P.E.S College of Engineering, Mandya	5	204
International Yoga day	ISTE	5	100
A swacch bharath abhiyan	ISTE	3	28

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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	Number of students Benefited
IEEE	Best Student Website	IEEE	220
IEEE	Best Student of the Chapter	ISTE	1
Voluntary Blood donation	Rolling shield	Mandya Dist., Indian Red Cross Society	204
Essay writing competition i)Drones in daily life ii)Is humanity employment really under the threat of AI? iii)Does Automation really help?	1st prize	ISTE	52
A quiz competition on aptitude	Prizes	ISTE	285
Hackathan – Hackmania 3.0	2nd Prize	PESCE, Mandya	4

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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 participated in such activites	Number of students participated in such activites
Women Empowerment	TEQIP III	Women Empowerment	10	136
Trekking	ISTE	Trekking Camp	3	50
Voluntary Blood donation	ISTE Red cross	Highest no. of units of blood collected at the blood donation camp	5	204
International	ISTE	International	5	100

Yoga day		Yoga day		
Swachh Bharat	ISTE	Swachh Bharat	16	400

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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
Project Based Learning	150	TEQIP III	6
Android Application Development using Block Coding	44	TEQIP III	2
Design Thinking	48	TEQIP III	1
GATE-2020, Coaching	51	TEQIP III	8
Hackmania 2.0	115	TEQIP III	2
Modern Equipment's in Mechanical Engineering	50	TEQIP III	6
2nd Phase Induction Program	630	TEQIP III	6
Web Programming (With hands-on)	42	TEQIP III	2
BEML Industrial visit	135	TEQIP III	1

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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	Duration To	Participant
VII sem Students	Internship	GTTC Mysuru	01/01/2020	30/01/2020	35
VII sem Students	Student Internship	BOSCH Training Center, Naga nathapura, Bangalore	05/08/2019	09/08/2019	31
Project work	Project work	Ideonix Solutions, Smile techno logies, Venus Softtech,	01/01/2020	31/05/2020	39

		Syscon Infotech, Ignyte Infotech, IMPEX Technology, Tech Centrix, Webedge Technologies, System Softwares, Tech Novice Solutions, I Cube Soft Technologies, Big Bytes, Greasers Solution, Techno				
VIII Semester Projects:	Internship/ Project Work	Infosys, Accenture	01/01/2020	31/05/2020	25
VIII Semester Projects: 120 Members	INDUSTRY INSTITUTE PROGRAMME	BAI, MYSORE, METRO, NIRMITHI KENDRA , PWD, KUWSSB	01/01/2020	31/05/2020	120
Student activities - Thiagarajar College of Engg. Madurai	GKDC Workshop	National level GoKart Design Challenge (GKDC)	19/10/2019	20/10/2019	19
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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/Activities	Number of students/teachers participated under MoUs
Prayojana construction management training institute	26/10/2019	Training students and making them ready for industry	50
Ui path Academic Alliance	01/08/2019	Curriculum Design, Industrial training and Visits, Internships and Placement of Students, Research and Development, Skill Development programs, Guest	230

		Lectures and Faculty Development programs,	
Srichid Technologies Private Ltd.	23/08/2019	Curriculum Design, Industrial training and Visits, Internships and Placement of Students, Research and Development, Skill Development programs, Guest Lectures and Faculty Development programs,	230

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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
983.38	371.81

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Existing
Class rooms	Newly Added
Campus Area	Existing

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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 patially)	Version	Year of automation
KOHA	Fully	18.11	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	88196	19096583	774	387430	88970	19484013

	6520	1211758	75	39580	6595	1251338
Reference Books						
e-Books	16163	425350	Nill	Nill	16163	425350
Journals	Nill	Nill	70	205713	70	205713
e-Journals	7400	2100000	Nill	Nill	7400	2100000
Digital Database	5	878650	Nill	Nill	5	878650
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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**	**28/03/2020**
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1294	10	1	2	3	1	13	200	216
Added	20	1	0	0	0	0	0	0	1
Total	1314	11	1	2	3	1	13	200	217

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

200 MBPS/ GBPS

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
E-Resource	http://www.pescemandya.org/library.php
E-Cap-Admission of students	192.168.13.11/ecap
Feedback-Students	Faceback.anaghalabs.com
Library centre	http://www.pescemandya.org/library.php

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 incurredon maintenance of physical facilites

302.85	237.68	101.11	80.6

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)

The institution has very well established policy to maintain physical, academic and support facilities. The college has designated officers for overall development of campus facilities and its maintenance. Under the guidance of Management and Principal, the estate officer takes care of entire campus. The principal look after the Academics, laboratories and classrooms of individual department/programmes along with HoDs. With regard to Support facilities System administrators for computers internet wifi maintenance, Librarian and his 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 refurbishment/maintenance of buildings of the institute infrastructure are taken care. • Laboratory and Workshops: All departments have their one laboratory which re 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: A separate library building is established with modern amenities. 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. • Teaching - learning process: Classrooms, Seminar halls, Auditoriums are utilized for regular teaching-learning and training process. Further, the facilities regularly monitored under the supervision of the estate officer. • Training and Placement Centre: The placement and training officer provides the required amenities to carry out the training placement activities smoothly. • Exam section: Controller of Examination (CoE) takes care of the autonomous exam section, where the database of overall exam section is managed by the co-ordinator and database administrator. • Sports and Cultural: The sports complex has an exclusive committee, which takes care of overall sports complex amenities and activities, and it also take care for maintenance of sports amenities at regular intervals. The physical education director takes care about overall sports activities. 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 campus. • Electricity: 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, Solar power generation is also established. The garden department of the institute maintain the gardens to keep the campus green and maintain the entire campus clean and tidy. Initiative for Green Measures. ? Establishment and promotion of Bio fuel Centre ? Campus Bore Wells are recharged ? Campus solar Grid of 250 KW to meet campus power supply requirements ? Initiated Solid waste management and rain harvesting.

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 and ECE Alumni Scholarship, Industrial visit, National level Go-kart design competition	114	712025
Financial Support from Other Sources			
a) National	Fee concession scheme (2019-20), Government of Karnataka Scholarships: 1) BCM Scholarship 2) SC/ST Scholarship	3265	61717565
b)International	Nil	Nill	0
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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 implemetation	Number of students enrolled	Agencies involved
Visit of Udupi - Varahi Power Station	24/10/2019	155	CVE Department
Visit of Mysore Industrial visit of KMF	24/10/2019	110	ME Department
Visit of Mysore Innovative Technology and Defence food Research Laboratory	21/08/2019	120	E C Department
Personal Counselling and Mentoring	01/08/2019	2793	All Departments of PESCE
Supplementary Semester classes	01/06/2020	150	All Departments of PESCE
Soft skill development	26/01/2020	675	Training Placement Center
Yoga, Meditation, Human Values, Professional Ethics, Personal Counselling	20/01/2020	630	IQAC, PESCE Mandya
II – Phase Induction programme - Activities	20/01/2020	630	IQAC, PESCE Mandya
I – Phase Induction programme – Local Trip (	24/08/2019	675	IQAC, PESCE Mandya

Historical Places)			
I – Phase Induction programme - Activities	14/08/2019	675	IQAC, PESCE Mandya

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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 for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2020	Higher Education and Competitive Exams	265	394	2	236

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
All companies visited at TPC, PESCE, MAndya	7214	419	All companies Outside PESCE, Mandya	193	78

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.E.	ISE	University of LEICESTER	MS
2020	2	B.E.	CSE	"PESCE,Mandya RVCE, Bangalore"	M.Tech, M.S
2020	26	B.E.	CVE	BMSE, Bangalore	M. Tech

				SJCE, Mysore, MSRIT, Bangalore, EWCE, Bangalore, RVCE, Bangalore, University of Melbourne	

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5.2.3 – Students 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	Number of students selected/ qualifying
Any Other	1

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

Activity	Level	Number of Participants
Open Mic Competition was organized at the new open-air theater which had both singing and instrumental competition	College	54
A quiz competition on aptitude, basic maths and general knowledge was conducted	College	285
VTU Inter Collegiate Tennis (W)	Selection Trials	30
VTU Inter Collegiate Tennis (W)	Singles Zone	60
VTU Inter Collegiate Tennis (M)	Inter Zone	40
VTU Inter Collegiate Kho-Kho(M)	Inter-Zone	96
VTU Inter Collegiate Kho-Kho(M)	Mysore Zone	48
VTU Inter Collegiate Tennis (M)	Rest of Bengalore Zone	35

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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Swimming - winner	National	1	3	4PS19EC107,	Pruthvi Gowda. S.S

2020	Kho-Kho – winners	National	1	Nill	4PS18ME057	Prajwal M R
2020	Ball Badminton	National	1	Nill	4PS16AU007	Kishan H B
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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. Student's representations 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 committees - 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 monitor the food which would be served in the hostel and reduction of wastage. They 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

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

YES 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 and USA club etc., Strongest Alumni Network of our institute is an asset. We have a good rapport with our pass out student right from the first batch. It is matter of keep interest of Hon. Chairman and principal who always encourage us to strengthen the association. The following activities are conducted by the alumni association of the institution as well as department alumni association frequently • 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 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. We take pride in our Alumni having placed in organization for repute world over like Intel, Google, Microsoft, LT, Bosch, Tata Motors, BHEL, HAL, Infosys, Nokia and many more. Also the Government organizations like PWD, Water Resources Department, Indian Railway, Indian Oil, ONGC, Civil Services and all Defense Services. We are proud of our distinguish alumni who have received National and International reorganization for their exemplary contribution. To Name a Few Sudarshan Mogasale - CEO of Dassault Systemes Solutions Lab. Ramachandra M - B.E. Vice President Fujitec India Private Limited, Bengaluru. Dr.B.R. Ravikanthe Gowda - IPS office Bangalore Basaral C Srikanta Squadron Leader Basaral C Srikanta (Retd), Hemanth M P Motto: Nation first then comes the rest. Umesh Chandra ENSICA, Toulouse, France. Dr.Girish Bharadhwaj B Challenging construction of suspension bridges. Rathnaprabha is a Senior Vice President. Gururaj. K. Jagannath Gururaj Vice President - Integrated Data Solutions. Chandan Kumar "Chandan is an actor in Kannada cinema.

5.4.2 – No. of registered Alumni:

1241

5.4.3 – Alumni contribution during the year (in Rupees) :

297600

5.4.4 – 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. In addition to these, a College Alumni Association is also actively functioning under the leadership of Dr. Sanjaya, Associate Professor, Dept. of Information Science and Engineering.

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)

The Vision, Mission, Quality policy and Core values of the institution are very much essential to become a Technical Institution of highest Standards 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 the activities of overall development of the institution. The BoG has a Chairman, members, AICTE Nominee, GoK Nominee, VTU Nominee, UGC Nominee, Staff representative and Principal of the institute as the Member Secretary. Departments play vital role in the development of the institution. Each department formulated their vision, mission and 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 • IQAC Committee Team • Women's Empowerment Committee • Anti Ragging Committee • Library Committee • Stock verification Committee • Industry Institute Interaction Committee • ISTE faculty/Student Chapter Committee • Student Welfare Committee • Teaching staff Association HBCS staff Committee • Planners for Institutional Academic Activity • Finance Committee • Purchase Committee • Building Works and Campus Maintenance Committee • Transport Committee • Institute Web Site Design and maintenance • Research and Development Committee • Training Placement 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 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 in co-curricular and extracurricular activities, IEEE, ISTE, Red Cross, NSS social service group etc.,

6.1.2 – Does the institution have a Management Information System (MIS)?

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):

Strategy Type	Details
Admission of Students	Admission of students: The admission of students to various UG and 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 through Lateral Entry at the beginning of third semester B.E. UG programmes as per the University norms. The students can migrate from one branch or specialization to another at the same College or at another Autonomous/ Affiliated College under the University at the beginning of third semester as per the norms of AICTE/VTU/State Government.
Industry Interaction / Collaboration	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 IIIC 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.
Human Resource Management	Human Resource Management: Most of the administrative work is decentralized. In addition to all the official correspondence with government and university, administrative officer 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 of

		different committees look after the responsibilities given by the principal or management.
	Library, ICT and Physical Infrastructure / Instrumentation	Library, ICT and Physical infrastructure/Instrumentation: PESCE 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 is having good infrastructure, 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, sports complex, aquatic centre, cricket stadium etc.,
	Research and Development	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 and International conferences. Ample Doctorates (Ph.Ds) are produced in the field of Science and Technology. Large number of papers in peered journals and research articles in national and international conferences are published. Presently more than 100 research scholars have registered under PET research centre to acquire Ph.D and M.Sc engineering.
	Examination and Evaluation	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.
Teaching and Learning	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.
Curriculum Development	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 Choice Based Credit System (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 to finalize the curriculum and finally get the approval from academic council with modifications, if needed.

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

E-governace area	Details
Planning and Development	Planning and Development: Partially, the e-governance for Planning and Development is being practiced for communication and other aspects with the concerned authorities for uplift the institution.
Administration	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	Finance and Accounts: The e-governance for Finance and Accounts is being practiced through Tally software for correspondence.
Student Admission and Support	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	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, grade cards, etc.,

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
2020	Dr.N Jagadeesh	Studies om Mechanical and Thermal behaviours of A I6061-SiC-Gr-ZrO2 Nanohybrid composites	TEQIP-Phase-III	10000
2019	Mr.Srikanth G D	Schwing Stetter India PVT, Ltd. YAMAHA Company at Chennai	TEQIP-Phase-III	6000
		[View File]()		

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Training	Automotive	23/12/2019	06/01/2020	Nill	1

		Service Training (Advaith Motors Pvt. Ltd., MC Road Mandya)				
2020	Training	Machine Learning using Google Colab	11/08/2019	15/08/2019	120	Nill
2019	Workshop	Recent Advancement in Renewable Energy Technology	22/06/2019	26/06/2019	40	Nill
2019	FDP	Recent Advances in VLSI Design and Hands-on with CADENCE tool	15/07/2019	19/07/2019	50	Nill
2019	Symposium	Collaborative Research activities	19/08/2019	21/08/2019	100	Nill
2019	Training Program	CATIA	29/07/2019	02/08/2019	59	Nill
2019	FDP	Recent Advancement in Renewable Energy Technology	30/09/2019	05/10/2019	75	Nill
2019	Technical Talk	Project Proposal for Different Funding Agencies	20/09/2019	20/09/2019	103	Nill
2020	Training Program	Matlab and Simulink application to electrical Engineering	15/02/2020	17/02/2020	49	5
2020	Workshop	Electronic	03/02/2020	05/02/2020	52	4

		Circuit Simulation and PCB Design using orCAD tool to 132			

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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	From Date	To date	Duration
Workshop on "Mobile Application Development Using Java"	8	23/01/2020	25/01/2020	3
Synthesis, Characterization and Application of Advanced Materials	100	27/01/2020	31/01/2020	5
Processing and application of composite materials (PACM)	75	30/09/2019	05/10/2019	6
Recent Advancement in Renewable Energy Technology	56	22/07/2019	26/07/2019	5
Recent Advanced in VLSI Design and Hands-on with CADENCE Tools	50	15/07/2019	19/07/2019	5
Professional Development training, IIM Kozhikode (IIMK)	1	18/06/2019	23/06/2019	6
Synthesis Characterization and Application of Advanced Materials	25	27/01/2020	31/01/2020	5
Processing and Application of composite materials	7	30/09/2019	05/10/2019	6

PG – Orientation day Programme	5	12/10/2019	12/10/2019	1
UG – Orientation day and Induction Programme	15	14/08/2019	24/08/2019	11
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
137	65	179	28

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Teaching Faculty: 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. Programs are organized at various levels to enhance the competency of its teaching and non-teaching faculty. The institution has a welfare mechanism in place, for teaching staff. Under welfare measures the institution provides P.T Exemption and one additional increment for teaching faculty according to KCSR norms. The other facilities provided for both teaching faculty are as follows: • Contribution for employees provident fund scheme • Gratuity paid as per Gratuity Act for	2. 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 nonteaching faculty according to KCSR norms. The other facilities provided for non-teaching faculty are as follows: • Contribution for employees provident fund scheme • Gratuity paid as per Gratuity Act for Staff members • Group Insurance • Medical Insurance • 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: The institute also organise some programs and encourage the students for overall development. The facilities provided for the students are as follows: • 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. • Organisation of Induction programmes for newly admitted students • Arrangement of local trip for newly admitted students

Staff members •
Deputation of faculty for
Ph.D/Post Doctoral
research with leave
benefits • Group
Insurance • Medical
Insurance • 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)

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/ Grnats received in Rs.	Purpose
Management, Donors, Alumni, Research	850000	Conducting Orientation and Induction Programme, Conducting annual cultural fest, Conducting sports meet and competitions, Meritorious awards, Best chapter awards etc., Student's

best project award, Students activities of alumni associations of each department and Paper publications and expenditure towards Ph.D, Registration fee for participation in conferences.

[View File](#)

6.4.3 – Total corpus fund generated

10870800

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 the 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. • Involvement in anti-raging committee to counseling the students, interaction with the parents in over all development of the institution. • 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)

• Workshop on "current Technology in Computer Science". • Workshop on "Skill up-gradation programmes" • "Yoga for holistic health development".

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

a. 2nd time nirf - Ranking obtain as 147th Ranking by improving from 161th rank b. Introducing soft skill and open elective courses for B.E programmes c. Effective Annual Academic Audit for the faculty from the expert committee. d. Revision of curriculum and modification in Question paper pattern are done e. Enhancement in infrastructure in class rooms and refurbishment of laboratories with ICT facilities. f. Procurement of modern equipments for laboratories and

workshops, and instalment of digital boards for all departments g. Construction of new class room complex and Guest house.

6.5.5 – Internal Quality Assurance System Details

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 IQAC	Duration From	Duration To	Number of participants
2019	1st Phase Induction programme conducted for 1st sem B.E. Students	14/08/2019	14/08/2019	24/08/2019	675
2020	2st Phase Induction programme conducted for 2nd sem B.E. Students	20/01/2020	20/01/2020	29/01/2020	638
2019	one day local trip for newly admitted B.E. students	24/08/2019	24/08/2019	24/08/2019	675
2019	Womens Day celebration	01/10/2019	01/10/2019	01/10/2019	214
2019	Industrial visit - Pedagogy Training	01/07/2019	01/07/2019	05/07/2019	30
2020	Innovative Technical Projects Exhibition -2019	17/05/2019	17/05/2019	17/05/2019	53
2019	Gender Equality and role of Women	21/10/2019	21/10/2019	21/10/2019	350
2020	Yoga Meditation for Youth Empowerment and Skill Program	20/01/2020	20/01/2020	25/01/2020	630

CRITERION VII – 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	Period To	Number of Participants	
			Female	Male
Women Empowerment in Today's Era	01/10/2019	01/10/2019	350	Nill
"International Yoga day"	21/06/2019	21/06/2019	30	70
Orientation programme - Distribution of Eureka and YRCW leaflets to create awareness on the ISTE and YRC	23/08/2019	24/08/2019	305	370
A inaugural ceremony for the members of ISTE and YRCW society was held. The secretary of the society, welcomed the members by enlightening the members and purpose and importance of society. All the members distributed the work. Calendar of events for	30/08/2019	30/08/2019	28	34
A quiz competition on aptitude, basic maths and general knowledge was conducted	12/09/2019	12/09/2019	120	165
A talk and Photo exhibition on adventure from	19/10/2019	19/10/2019	8	42

the members of youth hostel association of India.				
Release of news letter "Eureka" Volume 13 Presentation of ISTE endowment Awards at Graduation day	24/08/2019	24/08/2019	22	30
Open Mic Competition was organized at the new open-air theater which had both singing and instrumental competition	26/12/2019	26/12/2019	23	31
Rolling shield receiving from IRCS at meeting of IRCS	31/10/2019	31/10/2019	2	4
A meeting of the EC members of ISTE student chapter was held. The secretary enlightened the members about purpose and importance of society.	30/08/2019	30/08/2019	12	15

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University 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: Yes : Estimated total power consumption in the college is around 60000 units/ month. The institute has installed 240 kW roof top solar PV plant in Golden Jubilee Block and Hostel buildings. Approximately 30000 – 35000 unit 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 are recorded in 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 and tidy. 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. 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 with artificial landscaping in the heart of the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	No	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	No	Nill
Rest Rooms	No	Nill
Scribes for examination	Yes	Nill
Special skill development for differently abled students	No	Nill
Any other similar facility	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	3	21/06/2019	1	"International Yoga day" - "Asanas". "Yogasanas"	Importance of Yoga	100
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Examination regulations for the faculty and students - Beginning of the academic year	14/08/2019	Implementation and follow up is regularly taken up by the HOD's, Controller of Examination, Dean

		administration, Dean Academics and Principal
Academic Regulations for the students -Beginning of the academic year	15/08/2019	Implementation and follow up is regularly taken up by the HOD's, Dean administration, Dean Academics and Principal
Training and placement Centre	16/08/2019	Importance of training and placement activities and the benefits
Induction programme for Newly admitted students	14/08/2019	Activities conducted on Human values and relationship, Professional ethics

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Program Universal Human Values, Personality Development,	14/08/2019	24/08/2019	675
One day local trip	24/08/2019	24/08/2019	675
Yoga and Meditation Activities	20/01/2020	29/01/2020	630
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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. Solar electric power
5. Afforestation
6. Waste management
7. Generation of Bio Diesel
8. Mobile and Smoke Free Campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional 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) in correlation with VTU. 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.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

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

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

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 161st Rank by MHRD under nirf-2019 and 147th Rank in 2020 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 throughstudent'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 counseling, 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 • Online Classes and videos for lab

Provide the weblink of the institution
http://www.pescemandya.org/about_college.php

8.Future Plans of Actions for Next Academic Year

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 organizations in India and abroad. We have following future plans of action: • Felicitation for faculty for their achievements • Facilities for conducting Online classes • Encashment of WiFi facilities • Change of software for Examination and administrative activities • 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. • Change in curriculum for open electives • 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.