



**P. R. Pote (Patil) Education &
Welfare Trust's Group of
Institution
College of Engineering &
Management, Amravati**

**Annual Quality Assurance Report
(July 2017 – July 2018)**

**Submitted to
National Assessment and Accreditation
Council, Bangalore**

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

I. Details of the Institution

- 1.1 Name of the Institution : P. R. Pote (Patil) Educations & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati (Maharashtra), India
- 1.2 Address Line1 : Pote Estate, Kathora Road, Amravati (Maharashtra)
- Address Line2 :
- City/Town : Amravati
- State : Maharashtra
- Pin Code : 444602
- Institution e-mail address : principal@prpcem.org, prpotepatilcollege@gmail.com
- Contact Nos. : 0721-2530342, 2530344, 2530089, 3294384
- Name of the Head of Institutions : Dr. S. D. Wakde, Principal
- Tel. No. With STD Code : 0721-2530342
- Mobile : 9404109465
- Name of the IQAC Co-ordinator : Dr. S. B. Warkad
- Mobile : 7693896006
- IQAC e-mail address : igacordinatorprpcem@gmail.com
- 1.3 NAAC Track ID
- 1.4 NAAC Executive Committee No. & Date:
(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)
- 1.5 Website address
- Web-link of the AQAR

1.6. Accreditation Details:

| Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|-----------------|-------|------|-----------------------|---------------------------------|
| 1 st | A | 3.04 | 2017 | from: 30/10/2017 to: 29/10/2022 |
| 2 nd | | | | from: to: |
| 3 rd | | | | from: to: |
| 4 th | | | | from: to: |
| 5 th | | | | from: to: |

1.7. Date of Establishment of IQAC: 09/03/2015

1.8 AQAR for the year (for example 2010-11) 2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011) NIL

- i. AQAR _____ (DD/MM/YYYY)⁴
 ii. AQAR _____ (DD/MM/YYYY)
 iii. AQAR _____ (DD/MM/YYYY)
 iv. AQAR _____ (DD/MM/YYYY)

1.10 Institutional Status

University State ☒ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☐

Autonomous college of UGC Yes ☐ No ☐

Regulatory Agency approved Institution Yes ☐ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☒

1.12 Name of the Affiliating University

| |
|--|
| Sant Gadge Baba Amravati University, Amravati |
|--|

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

| |
|----|
| NO |
|----|

University with Potential for Excellence

| |
|----|
| No |
|----|

UGC-CPE

| |
|----|
| NO |
|----|

DST Star Scheme

| |
|----|
| NO |
|----|

UGC-CE

| |
|----|
| NO |
|----|

UGC-Special Assistance Programme

| |
|----|
| NO |
|----|

DST-FIST

| |
|----|
| NO |
|----|

UGC-Innovative PG programmes

| |
|----|
| NO |
|----|

Any other (*Specify*)

UGC-COP Programmes

| |
|----|
| NO |
|----|

2. IQAC Composition and Activities

2.1 No. of Teachers

| |
|----|
| 10 |
|----|

2.2 No. of Administrative/Technical staff

| |
|----|
| 03 |
|----|

2.3 No. of students

| |
|----|
| 02 |
|----|

2.4 No. of Management representatives

| |
|----|
| 01 |
|----|

2.5 No. of Alumni

| |
|----|
| 01 |
|----|

2.6 No. of any other stakeholder and
community representatives

| |
|----|
| 01 |
|----|

2.7 No. of Employers/ Industrialists

| |
|----|
| 01 |
|----|

2.8 No. of other External Experts

| |
|----|
| 02 |
|----|

2.9 Total No. of members

21

2.10 No. of IQAC meetings held

04

2.11 No. of meetings with various stakeholders:

No.

Faculty

04

Non-Teaching Staff Students

Alumni

Others

2.12 Has IQAC received any funding from UGC during the year?

Yes

No

√

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

International

National

State

Institution Level

2

(ii) Themes

FDP on Outcome Based Education

2.14 Significant Activities and contributions made by IQAC

- Established Stakeholder's Feedback Policy
- Updated Entrepreneurship and R&D Policy
- Conducted Academic Audit Internal and External
- Initiated Process of NBA in several Departments
- Conducted several programs on Outcome Based Education*

2.15 Plan of Action by IQAC/Outcome

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

| Plan of Action | Achievements/Outcomes |
|---|-----------------------------|
| Academic processes & activities as per NBA Format | In Process |
| ICT Based Teaching Aids & Smart Class Rooms | In Process |
| Research Labs for Ph.D. | Applying in Session 2019-20 |

2.15 Whether the AQAR was placed in statutory body Yes

Management ☐ Syndicate ☐ Any other body ☒

Provide the details of the action taken

Approved

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | Number of value added / Career Oriented programmes |
|------------------------|-------------------------------|--|-------------------------------------|--|
| PhD | NIL | NIL | NIL | NIL |
| PG | 06 | NIL | NIL | NIL |
| UG | 05 | NIL | 06 | NIL |
| PG Diploma | NIL | NIL | 05 | NIL |
| Advanced Diploma | NIL | NIL | NIL | NIL |
| Diploma | NIL | NIL | NIL | NIL |
| Certificate | NIL | NIL | NIL | NIL |
| Others | NIL | NIL | NIL | NIL |
| Total | 11 | NIL | 11 | NIL |
| Interdisciplinary | NIL | NIL | NIL | NIL |
| Innovative | NIL | NIL | NIL | NIL |

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|----------------------|
| Semester | 11 |
| Trimester | NIL |
| Annual | NIL |

1.3 Feedback from stakeholders* Alumni ☒ Parents ☒ Employers ☒ Students ☒
(On all aspects)

Mode of feedback : Online ☒ Manual ☐ Co-operating schools (for PEI) ☐

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

NO

1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|-------|------------------|----------------------|------------|--------|
| 115 | 41 | 10 | 03 | 61 |

2.2 No. of permanent faculty with Ph.D.

10

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

| Asst. Professors | | Associate Professors | | Professors | | Others | | Total | |
|------------------|----|----------------------|----|------------|----|--------|----|-------|----|
| R | V | R | V | R | V | R | V | R | V |
| 151 | 00 | 10 | 00 | 06 | 00 | 00 | 00 | 167 | 00 |

2.4 No. of Guest and Visiting faculty and Temporary faculty

00

00

00

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|------------------|---------------------|----------------|-------------|
| Attended | 85 | 01 | 00 |
| Presented papers | 83 | 01 | 00 |
| Resource Persons | 01 | 01 | 00 |

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The learning is made student-centric by following measures:

- All the classrooms are equipped with Digital Board. Faculty members use power point presentations to make classroom teaching more effective.
- The campus is Wi-Fi enabled and has internet connectivity round the clock for students and staff.
- Giving home assignment and project work and taking regular follow up.
- Library & internet facility for value addition and independent learning.
- Use of video clips, models for effective learning.

2.7 Total No. of actual teaching days

148

during this academic year

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Bar Coding,

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus Development as member of Board of Study/Faculty/Curriculum Development workshop.

15

2.10 Average percentage of attendance of students

75%

2.11 Course/Programme wise distribution of pass percentage:

2.11 Course/Programme wise distribution of pass percentage:

Winter-2017

| Title of the Programme | Total no. of students appeared | Division | | | | |
|------------------------|--------------------------------|---------------|-----|------|-------|--------|
| | | Distinction % | I % | II % | III % | Pass % |
| CSE (UG)-III | 144 | 0 | 40 | 19 | 0 | 40.97 |
| CSE (UG)-V | 135 | 1 | 57 | 45 | 0 | 76.30 |
| CSE (UG)-VII | 147 | 1 | 83 | 21 | 0 | 71.43 |
| EXTC (UG)-III | 61 | 0 | 8 | 46 | 44 | 19.67 |
| EXTC (UG)-V | 72 | 0 | 22 | 38 | 38 | 47.22 |
| EXTC (UG)-VII | 79 | 1 | 47 | 42 | 9 | 68.35 |
| EE (UG-Shift-1)-III | 76 | 1 | 25 | 41 | 9 | 51.31 |
| EE (UG-Shift-1)-V | 65 | - | 32 | 32 | 1 | 50.76 |
| EE (UG-Shift-1)-VII | 69 | - | 16 | 48 | 5 | 91.30 |
| EE (UG-Shift-2)-III | 65 | - | 23 | 30 | 12 | 46.87 |
| EE (UG-Shift-2)-V | 64 | - | 26 | 34 | 4 | 35.93 |
| EE (UG-Shift-2)-VII | 84 | - | 12 | 64 | 8 | 83.52 |
| Civil (UG)-III | 70 | 30 | 20 | 5.7 | 1.4 | 61.00 |
| Civil (UG)-V | 69 | 33 | 13 | 0 | 0 | 50.00 |
| Civil (UG)-VII | 67 | 42 | 25 | 7.24 | 0 | 78.00 |
| ME (UG)-III | 147 | 4 | 26 | 117 | Nil | 42.85 |
| ME (UG)-V | 139 | 4 | 76 | 59 | Nil | 68.00 |
| ME (UG) VII | 153 | 7 | 70 | 38 | Nil | 81.69 |
| MBA (PG)-I | 60 | 06 | 05 | Nil | Nil | 18.33 |
| MBA (PG)-III | 43 | 03 | 06 | Nil | Nil | 20.93 |
| MCA (PG)-I | 23 | 2 | 15 | 3 | - | 87.00 |
| MCA (PG)-III | 36 | 4 | 25 | 2 | - | 86.00 |
| MCA (PG)-V | 29 | 3 | 23 | 1 | - | 93.00 |

Summer-2018

| Title of the Programme | Total no. of students appeared | Division | | | | |
|------------------------|--------------------------------|---------------|-----|------|-------|--------|
| | | Distinction % | I % | II % | III % | Pass % |
| Civil (UG)-IV | 69 | 36 | 23 | 12 | 0 | 72.00 |
| Civil (UG)-VI | 70 | 36 | 28 | 16 | 3 | 81.00 |
| Civil (UG)-VIII | 67 | 88 | 7 | 0 | 0 | 97.00 |
| CSE (UG)-IV | 144 | 6 | 60 | 16 | 0 | 56.94 |
| CSE (UG)-VI | 135 | 0 | 47 | 54 | 2 | 76.30 |
| CSE (UG)-VIII | 147 | 1 | 68 | 37 | 0 | 94.56 |
| EXTC (UG)-IV | 59 | 0 | 44 | 39 | 17 | 54.24 |
| EXTC (UG)-VI | 70 | 0 | 19 | 66 | 16 | 54.29 |
| EXTC (UG)-VIII | 78 | 9 | 78 | 10 | 3 | 82.05 |
| EE (UG-Shift-1)-IV | 76 | 1 | 22 | 35 | 18 | 64.47 |

| | | | | | | |
|----------------------|-----|----------------|----|----|----|-------|
| EE (UG-Shift-1)-VI | 66 | - | 17 | 40 | 9 | 61.00 |
| EE (UG-Shift-1)-VIII | 69 | 2 | 53 | 14 | - | 59.42 |
| EE (UG-Shift-2)-IV | 65 | - | 18 | 25 | 22 | 60.72 |
| EE (UG-Shift-2)-VI | 64 | - | 13 | 32 | 19 | 39.00 |
| EE (UG-Shift-2)-VIII | 83 | 2 | 68 | 12 | 1 | 54.00 |
| ME (UG)-IV | 145 | 2 | 68 | 75 | - | 57.93 |
| ME (UG)-VI | 137 | 0 | 61 | 53 | - | 72.00 |
| ME (UG) VIII | 153 | 41 | 69 | 6 | - | 88.23 |
| MBA (PG)-II | 60 | 03 | 16 | - | - | 31.67 |
| MBA (PG)-IV | 36 | 08 | 17 | - | - | 69.44 |
| MCA (PG)-II | 23 | 3 | 13 | 2 | - | 78.00 |
| MCA (PG)-IV | 36 | 2 | 16 | 7 | - | 69.00 |
| MCA (PG)-VI | 36 | Result Awaited | | | | |

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Student's Feedback of Subject Teachers is collected at the end of the semesters for all programmes that are offered by the College.
- Exit Student Feedback of Graduated Students is conducted to obtain feedback on different aspects of functioning of the College
- IQAC organized FDPs and workshops for the faculty to enhance Teaching- Learning Process.
- Faculty Classroom Teaching Feedback by senior faculty is also collected to understand teaching methodology and style of teachers and its effectiveness to students.
- Academic Audit both internal and External is conducted by the IQAC to know the gap and enhance the Teaching Learning process.
- Awareness of E-learning resources, teaching aids, online courses like MOOCs, Moodle, Google class etc to the faculty.

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|--|-------------------------------------|
| Refresher courses | - |
| UGC – Faculty Improvement Programme | 82 |
| HRD programmes | - |
| Orientation programmes | - |
| Faculty exchange programme | - |
| Staff training conducted by the university | 3 |
| Staff training conducted by other institutions | 15 |
| Summer / Winter schools, Workshops, etc. | 25 |
| Others | 05 |

2.14 Details of Administrative and Technical staff

| Category | Number of | Number of | Number of | Number of |
|----------|-----------|-----------|-----------|-----------|
|----------|-----------|-----------|-----------|-----------|

| | Permanent Employees | Vacant Positions | permanent positions filled during the Year | positions filled temporarily |
|----------------------|------------------------|---------------------|--|---------------------------------|
| Administrative Staff | 26 | 00 | 03 | 45 |
| Technical Staff | 35 | 00 | 07 | 10 |

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Faculty members are encouraged to initiate research, present and publish research papers, patents and industry consultancy.
- R&D policy is placed which gives detail guidelines to faculty and students about Research & Development activities in the Institution
- The Research Committee and the IQAC is functional in the institution to promote research related activities.

3.2 Details regarding major projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 05 | 05 | 05 | 05 |
| Outlay in Rs. Lakhs | 5 | | | |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | Nil | Nil | Nil | Nil |
| Outlay in Rs. Lakhs | Nil | Nil | Nil | Nil |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 04 | - | - |
| Non-Peer Review Journals | 78 | | |
| e-Journals | 65 | 01 | |
| Conference proceedings | 15 | 04 | |

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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

| Nature of the Project | Duration | Name of the funding Agency | Total grant sanctioned | Amount received during the Academic |
|--|----------|--------------------------------------|------------------------|-------------------------------------|
| Major projects | 01 year | DST | 05 Lakhs | 05 Lakhs |
| Minor Projects | Nil | Nil | Nil | Nil |
| Interdisciplinary Projects | Nil | Nil | Nil | Nil |
| Industry sponsored Projects | Nil | Nil | Nil | Nil |
| Projects sponsored by | Nil | Nil | Nil | Nil |
| Students Research Projects (<i>other than compulsory by the College</i>) | One Year | IEDC, DST, Govt. of India, New Delhi | 05 Lakhs | 05 Lakhs |
| International | Nil | Nil | Nil | Nil |
| Any other(Specify) | Nil | Nil | Nil | Nil |
| Total | | | Rs. 10 Lakhs | Rs. 10 Lakhs |

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|----------|-------|------------|---------|
| Number | - | - | - | - | 1 |
| Sponsoring agencies | - | - | - | - | Self |

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this

| Type of Patent | | Number | year |
|----------------|---------|--------|------|
| National | Applied | 3 | |
| | Granted | - | |
| International | Applied | - | |
| | Granted | - | |
| Commercialised | Applied | - | |
| | Granted | - | |

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

| Total | International | National | State | University | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| | - | 2 | 1 | - | - | - |

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

National level International level

3.23 No. of Awards won in NSS:

| | | | |
|------------------|----------------------|---------------------|----------------------|
| University level | <input type="text"/> | State level | <input type="text"/> |
| National level | <input type="text"/> | International level | <input type="text"/> |

3.24 No. of Awards won in NCC:

| | | | |
|------------------|----------------------|---------------------|----------------------|
| University level | <input type="text"/> | State level | <input type="text"/> |
| National level | <input type="text"/> | International level | <input type="text"/> |

Awards and recognition received for extension activities from Government and other recognized Institutions

| Name of the Activity | Award | Awarding bodies | No. of Students benefited |
|---|--------------------|----------------------------------|---------------------------|
| On 15 th Indian Society for Technical Education (ISTE) Maharashtra – Goa State Level Student's Convention 2018 at Sandip Foundations, Nashik | Best Student Award | ISTE & Sandip Foundation Nashik. | 01 |

3.25 No. of Extension activities organized

| | | | |
|------------------|----------------------|---------------|--------------------------------|
| University forum | <input type="text"/> | College forum | <input type="text" value="6"/> |
| NCC | <input type="text"/> | NSS | <input type="text" value="7"/> |
| | | Any other | <input type="text"/> |

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

| Sr. No. | Title of the activities | Organizing unit/agency/collaborating agency | No. of teachers co-ordinate such activities | No. of students participated in such activities |
|---------|---|---|---|---|
| 01. | Virtual Lab | IIT Bombay | 02 (Prof V.B.Gadicha / Prof F.M.Shelke) | 120 |
| 02. | Use of Solar Energy | Mechanical deptt. | 05 | 120 |
| 03. | Design & Analysis of Power Transmission System for Cotton Feeding Automatic Central Trolley | Mechanical deptt. | Prof. V. G. Gore | 06 |
| 04. | Design & Analysis of Horizontal hydraulic press machine | Mechanical deptt. | Prof. S. S. Dhoke | 06 |

| | | | | |
|----|---------------------|-------------|----------------|-----|
| 05 | NPTEL Local Center | M.C.A Deptt | Dr.C.A.Dhawale | 150 |
| 06 | IIT Spoken Tutorial | M.C.A Deptt | Dr.C.A.Dhawale | 350 |

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|---|----------------|---------------|----------------|----------------|
| Campus area | 30352 Sq. Mtrs | | | 30352 Sq. Mtrs |
| Class rooms | 34 | | | 34 |
| Laboratories | 50 | | | 50 |
| Seminar Halls | 05 | | | 05 |
| No. of important equipments purchased (\geq 1-0 lakh) during the current year. | | | | |
| Value of the equipment purchased during the year (Rs. in Lakhs) | | | | |
| Others | | | | |

4.2 Computerization of administration and library

Library: Automation, LIBMAN software 3.0, 10 PCs

The examination department is equipped with Internet enabled computers, printers, xerox machines and a separate printing section for carrying out exam related work. There is a separate computer and printing area designated for downloading and printing Question Papers that are received Online from the University.

All examination related activities are computerized. Question paper printing, preparation of notices, marksheets for projects and assignments, entry of internal marks, etc. are all computerized and managed by the examination department.

4.3 Library services:

| | Existing | | Newly added | | Total | |
|-----------------|----------|---------|-------------|-------|-------|-----------|
| | No. | Value | No. | Value | No. | Value |
| Text Books | 8818 | 4142613 | 231 | 94384 | 9049 | 42,36,997 |
| Reference Books | | | | | | |
| e-Books | 435 | - | 115 | - | - | - |

| | | | | | | |
|-----------------------|-----|---------|------|--------|-----|---------|
| Journals | 397 | 1035050 | 54 | 164000 | 451 | 1190050 |
| e-Journals | | 2431331 | 7500 | 141600 | - | 2572931 |
| Digital Database | - | - | - | - | - | - |
| CD & Video | - | - | 728 | - | - | - |
| Library automation | - | - | - | - | - | - |
| Weeding (Hard & Soft) | | | | | | |
| Others (specify) | - | - | - | - | - | - |

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Available band width (MGBPS) | Others |
|---|-----------------|---------------|----------------|------------------|------------------|-----------|-------------|------------------------------|----------|
| Existing | 574 | 14(5+9) | BSNL Broadband | 14 | 01 | 01 | 07 | 20&50 MBPS | - |
| Added | - | - | - | - | - | - | - | 40&50 MBPS | |
| Total | 574 | 14 | - | 14 | 01 | 01 | 07 | - | - |
| 4.3.2 Bandwidth available of internet connection in the Institution (Leased line) 140 MBPS /GBPS | | | | | | | | | |

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

IQAC of the College organised a Faculty Development Programme on 'Outcome Based Education, ICT tools like MOOCs, Moodles, NPTEL lectures as part of E-Learning process'. The programme aimed at introducing the staff to new and emerging ICT tools and motivating them to adopt it as a regular feature of their pedagogy to enhance their teaching-learning processes.

4.6 Amount spent on maintenance in lakhs:

| | |
|--|--------------|
| i) ICT | 5 |
| ii) Campus Infrastructure and facilities | 1.48 |
| iii) Equipments | 58.73 |
| iv) Others | 5 |
| Total : | 70.21 |

Criterion – V**5. Student Support and Progression****5.1 Contribution of IQAC in enhancing awareness about Student Support Services**

- The Institute and IQAC cell initiates orientation programmes for First Year students at the beginning of the academic year.
- The College website also provides updated information to the stakeholders of the Institution.
- Suggestion box is placed in the college for students to write and submit grievances.
- Regular feedback about academics, infrastructure is taken from existing and pass-out students.
- Anti-ragging committee and guidelines are displayed.

5.2 Efforts made by the institution for tracking the progression

The Alumni Association is in place and conduct regular Alumni Meet to know the progression of pass-out graduates. Online registration process is created for informal database of students' progression during interactions.

5.3 (a) Total Number of students

| UG | PG | Ph. D. | Others |
|------|-----|--------|--------|
| 1940 | 241 | - | - |

(b) No. of students outside the state

00

(c) No. of international students

00

| Men | No | % | Women | No | % |
|-----|------|-------|-------|-----|-------|
| | 1195 | 61.60 | | 745 | 38.40 |

| Last Year | | | | | | This Year | | | | | |
|-----------|-----|----|------|-----------------------|-------|-----------|-----|----|------|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 530 | 346 | 43 | 1244 | 0 | 2163 | 451 | 315 | 36 | 1137 | 1 | 1940 |

Demand ratio 21.63

Dropout % 0.08

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

| Year | Name of the scheme | Number of benefited students by Guidance for Competitive examination | Number of benefited students by Career Counseling activities | Number of students who have passed in the competitive exam | Number of students placed |
|---------|---|--|--|--|---------------------------|
| 2017-18 | Placement Preparation | 02 | 15 | 02 | 20 |
| 2017-18 | Gate Awareness | 120 | 120 | Nil | Nil |
| 2017-18 | 1. Soft Skill Training 2. GATE Carrier Guidance 3. Personality Development Sessions | - | 39 | - | 39 |
| 2017-18 | 4. Soft Skill Training 5. GATE Carrier Guidance 6. Personality Development Sessions | - | 39 | - | 39 |
| 2017-18 | Counselling and Guest Lecture | 61 | 61 | 03 | 03 |

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
 IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

| Name of the capability enhancement scheme | Date of implementation | Number of students | Agencies involved |
|---|------------------------------------|--------------------|--|
| Guest Lecture for 4 th Year | 24 th June 2017 | 80 | Mr. Prasanna Mehare |
| GATE awareness | 20 th July 2017 | 130 | The Gate Academy |
| Science Train Visit | 30 th July 2017 | 70 | Team FOCI |
| PHP Workshop | 31 st July – 1 Aug 2017 | 25 | SSIT Pvt. Lmt. Nagpur |
| Aptitude & Technical Test | 31 st Aug 2017 | 125 | Team FOCI |
| Guest Lecture on Personality Development for 3 rd Year | 13 th Sept 2017 | 100 | Mr. Shivaji Kuche Director of New Easy English Speaking Academy |

| | | | |
|---|--|-----|-------------------------------|
| <i>Yoga, Meditation</i> Guest Lecture | 23th 2018 | 100 | Swami Nityanand |
| Guest Lecture on Professional development | 13 th Feb 2018 | 150 | Ms. Shirole (Actress) |
| 7 Days Training Program on Automobile and Vehicle Dynamics With Practical Session | 24-30 th July 2017 | 60 | AMZ Automotive |
| Personal counseling | 1-08-2017 | 439 | CSE DEPT |
| Virtual lab (IIT Mumbai) | 5-10-17 & 6-10-2017 | 200 | (IIT Mumbai) |
| Placement Preparation | 18 th June 2018 | 25 | Training and Placement Cell |
| Career Counselling | 22 nd June 2017 | 88 | Faculty members of Department |
| Software Language Training | 20 th June 2017 to 30 th June 2017 | 66 | Webakruti Software Sol. |
| Aptitude Training | 3 rd July to 8 th July 2017 | 66 | T & P Department |
| Soft Skill Development | As per Time Table | 65 | Faculty from Institute |
| Language Lab | As per Time Table | 75 | Faculty from Institute |
| Personal Counseling and Mentoring | From Start of Session | 200 | Departmental Faculty |

No. of students benefitted

1100

5.7 Details of campus placement

| On Campus | | | Off Campus | | |
|--------------------------------|----------------------------------|---------------------------|---|---------------------------------|---------------------------|
| Name of Organization s Visited | Number of Students Participate d | Number of Students Placed | Name of Organization s Visited | Number of Students Participated | Number of Students Placed |
| Concierge Technology | 168 | 10 | Chintamani Associate Ramtech Software Solutions | 05 | 05 |
| NeoSoft Technologies | 168 | 8 | Chintamani Associate Ramtech Software Solutions | 05 | 05 |
| Eternus Solutions | 135 | 1 | | | |
| MakeMyHolidays | 205 | 4 | | | |
| Amazon | 244 | 10 | | | |
| Mastiff Solutions | 10 | 3 | | | |
| IBM Conentrix | 33 | 5 | | | |
| EPIC Research | 244 | 46 | | | |
| Techinfini | 81 | 5 | | | |
| Rectra IT Infosystem Pvt. Ltd. | 163 | 38 | | | |
| Paramatrix | 130 | 2 | | | |
| Alacrity Solutions | 130 | 2 | | | |
| Oppo Mobile | 15 | 1 | | | |

| | | | | | |
|------------------------------------|-----|-----|--|--|--|
| Global Metro | 130 | 1 | | | |
| Esense Technologies | 130 | 2 | | | |
| Cryptex Technologies | 130 | 3 | | | |
| Axiom Techguru Pvt. Ltd. | 135 | 2 | | | |
| Shriram Finance Pvt. Ltd. | 244 | 18 | | | |
| CMS IT Services Pvt. Ltd. | 131 | 26 | | | |
| CINIF | 130 | 14 | | | |
| Tech Mahindra | 135 | 1 | | | |
| Ambuja Cement | 45 | 1 | | | |
| I am First Solutions Pvt. Ltd. | 130 | 4 | | | |
| STPC Ltd. | 130 | 1 | | | |
| Treo Engineering Pvt. LTd | 130 | 2 | | | |
| Appolo Munich | 165 | 1 | | | |
| ICICI Securites | 130 | 1 | | | |
| Shield Research | 131 | 2 | | | |
| Dollar Advisory Financial Services | 245 | 135 | | | |
| Equicom | 130 | 2 | | | |
| Curologic System | 130 | 1 | | | |
| HFFC | 205 | 5 | | | |
| Collabera | 165 | 4 | | | |
| Sthapathya Consultancy | 130 | 1 | | | |

5.8 Details of gender sensitization programmes

| Title of the programme | Period (from-to) | Participants | |
|---|--------------------|--------------------|------|
| | | Female | Male |
| Gender based awareness and counselling is given to girls by Professional Counsellor | 1 Lecture per week | 20 Girls per batch | |
| Women's Day Celebration | 1 Day 8/4/2018 | 85 | |

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level

National level

International level

Cultural: State/ University level

National level

International level

5.10 Scholarships and Financial Support

| | Number of students | Amount (Rs.) |
|--|--------------------|--------------|
| Financial support from institution | 46 | 1032347.00 |
| Financial support from government | 1675 | 9.5 Crore |
| Financial support from other sources | | |
| Number of students who received International/ National recognitions | | |

5.11 Student organised / initiatives

Fairs : State/ University level

National level

International level

Exhibition: State/ University level

National level

International level

5.12 No. of social initiatives undertaken by the students

14

5.13 Major grievances of students (if any) redressed: No grievances

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: -

“To flourish as a centre of excellence for producing the skilled technocrats and committed human beings”

Mission: -

- To create conducive environment for teaching & learning.
- To impart quality education through demanding academic programs.
- To enhance career opportunities by exposure to recent technologies & Industries.
- To develop professionals with strong ethics and human values for the

6.2 Does the Institution has a management Information System

Yes, online Feedback System, Monthly Attendance, Leave Record

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

In light with the NBA accreditation, the Institute is planning to introduce Outcome based Education philosophy in the Professional Education. Delivery of topic beyond syllabus, so as to cater the Industry-Institute gap is highly promoted in departments. Special training courses are also encouraged to develop student's technical skills which are demanded in the market. Students are identified as Fast/medium and Slow learners and special classes are organized to cater individual needs.

6.3.2 Teaching and Learning

Following measures are initiated to enhance Teaching and Learning process in the department-

- To prepare Academic policy.
- At departmental level, appointment of academic coordinator, R&D coordinator and T&P coordinators for smooth functioning.
- Extra lectures & Remedial lectures is planned for slow learners and maintain the documentation which shows the efforts taken by department.

- Topics beyond syllabus for each subject are to be delivered in class.
- Prepare teaching plan for high / medium / slow learners.
- Proper Mechanism and process for Teaching -Learning is to be documented.
- Action Taken Report (ATR) to be documented
- Course assignments are initiated. Internal question papers now based only on class learning.
- Higher level skills to be tested and documented.
- Focus need to be given on T-L process & POs attainments
- Understand of Bloom's taxonomy
- Improvement in subject tutorials
- Content delivery innovation to be practiced.
- Guest lecture may be as per gap analysis and requirements
- Increase e-resources. Teaching in class through Video/Animations.
- Test series to be conducted for poor/weaker students.

6.3.3 Examination and Evaluation

- Evaluation of marks which consists of Internal marks through continuous assessment (Test exam + Viva-voce + Assignment) and external marks scored in End Semester Examination.
- Automation of the examination cell to ensure timely declaration of results to keep the academic calendar on schedule.

6.3.4 Research and Development

- The Institute is planning to established separate research centre in Electrical and Mechanical Engineering Departments as per approval by SGBAU University
- Incentives for research publications and research projects are provided
- To promote R & D activities, progress review is conducted for faculty members having Ph.D degree and research scholars.
- Funded projects are invited to justify the research in departments.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Every year Central library is added with required books, E-Journals and Magazines.
- The Institute is promoting Smart class Room concept in each department.
- Books exhibition is arranged every year thro' vendors at campus to identify the quality books
- Every department has individual air-conditioned seminar hall with LCD projector
- Smart TV and computer system with internet connection

6.3.6 Human Resource Management

- Recruitment of faculty and staff are based on the guidelines provided by SGBAU University and AICTE, New Delhi.
- There are many staff welfare schemes namely EPF, Group insurance and Accidental policy
- Sponsorship of Higher Studies for Faculties

- Organizing Developmental training programme and workshops/seminars for enhancing the multi-skills of faculties.
- Effective appraisal system has been followed to assess the performance of faculties. Faculty members are promoted to higher positions based on their experience, skills and achievements.

6.3.7 Faculty and Staff recruitment

| SN | Department | No. Of Faculty recruited |
|----|--------------------------|--------------------------|
| 1 | First Year BE | 01 |
| 2 | Electrical (UG) Shift-II | 02 |
| 3 | Civil Engg (UG) | 01 |

6.3.8 Industry Interaction / Collaboration

- Consultancy to be encouraged in the Labs. Several testing facility in the labs be created and promoted for revenue generation.
- Documentation to be prepared properly as per NBA requirement which includes Impact analysis and POs attainment and prepare documentation.
- Identify equipments in the labs which can contribute towards R&D and shall be procured.
- MOUs on focused areas only. It is to be done in order to increase IIIC activities in the department
- Encourage more workshops to be conducted in the department.
- Experts from Industry shall be invited for Guest Lectures in the department.

6.3.9 Admission of Students

Admission of Students in Institute is governed by Directorate of Technical Education (DTE), Mumbai through CAP process.

6.4 Welfare schemes for

| | |
|-------------------------|--|
| Teaching & Non Teaching | <ul style="list-style-type: none"> • Free medical facility is provided to students, staff and faculty in college hours. • Group Insurance scheme; PF as per rule; Maternity leave; Medical leave; Mediclaim policy; Gratuity |
| Students | <ul style="list-style-type: none"> • University Group Insurance Policy |

6.5 Total corpus fund generated

-

6.6 Whether annual financial audit has been done ☒ Yes ☐ No

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

| Audit Type | External | | Internal | |
|----------------|------------|--|----------|------|
| Academic | Yes | Senior faculty from VNIT and Other Private Engg Institutes, Nagpur | Yes | IQAC |
| Administrative | In process | - | No | IQAC |

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes ☒ No ☐

For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Introduction of Barcoded answer sheets
- Establishment of three new sub CAP centres.
- Introduction of online Redressal mechanism
- On screen valuation system for faculty of engineering, Law and Home Science.
- Digitisation of examination record
- Adoption of student friendly, inclusive Examination Management System
- Establishment of student support centre for examination purpose.
- Started toll free number for examination related enquiries.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- Organization of interactive meetings for promotion of autonomy in affiliated colleges

6.11 Activities and support from the Alumni Association

The College has a registered Alumni Association with 11 executive committee members. The website for the same is <http://www.potepatilalumni.org>. Strength and standing of the institution is continued to be witnessed by the professionally competent. Alumni are proving their worth in academia and industry all over the country and overseas. The members of the Alumni Association plays a great role in the development of the college by providing a platform for aluminous to share their knowledge and expertise for the growth of their alma mater.

The alumni association organizes alumni meets once every year. Apart from this, the feedback from the other Alumni is also collected during the Alumni meets conducted/visit of alumni to institute.

From the feedback analysis required input to the Placement Officer and respective departmental head were provide about ethics and diversion in the industry, enrichment of the curriculum, about necessary mock training and new methods of improving the employability.

No. of Alumni registered till date: 350 Nos.

The activities of Alumni Association:

- 1) 2 Meeting during each semester about planning and execution of the activities.
- 2) Alumni Induction Program in March every year.
- 3) Alumni Reunion events every year.

Contributions of the Alumni Association

- 1) The departmental in-charge invites eminent alumni to deliver technical lectures for the benefit of the students.
- 2) Coordinating Alumni as members of departmental Board of Studies.
- 3) Inviting Alumni to conduct mock interviews and group discussions.
- 4) Displaying 'Know Your Alumni' department-wise fortnightly to ensure better connect between Alumni and students.

6.12 Activities and support from the Parent – Teacher Association

College conducted following activities involving parents -

- Orientation program for all First Year Students.
- Motivational Talks by eminent personality, Alumni and Ramakrishna Mission Swamiji conducted by the Institution which involved parents and teachers.

6.13 Development programmes for support staff

- Soft skill development program was conducted for support staff

6.14 Initiatives taken by the institution to make the campus eco-friendly

Energy conservation

- Each block of institute has individual power control panels, which help in separate control of energy consumption.
- Energy conserving lights like CFL, LED lights are used in the Institute campus.
- Consciousness through awareness program to save energy in classrooms and laboratories when not in use.
- Most of the Classroom has direct access to sunlight which reduces the consumption of electricity.

Efforts for Carbon neutrality Plantation

- Tree plantation-The different types of trees are planted within the campus of the Institute.

College has designed and manufactured the E-rickshaw for transportation within college campus.

Other Practices:

- Waste management project
- Cleanliness drive at college level
- Best out of waste project
- Awareness in classrooms and campus by putting up energy saving and save water posters
- Digital notes on students' groups

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Innovations in teaching methods:

- Field visits to industries by the students. It helps students lead to understanding the importance of applied knowledge. Students learn to implement theoretical knowledge gained in the classroom to understand the processes in real life at companies and factories.
- Skill based Training Programs for engineering students and field survey for management students were conducted to encourage and promote team building skills.
- Outcome based Teaching-Learning methodology are a part of classroom teaching-learning experience.
- Every year International Study tour is organized free of cost for the toppers of all branches of Engineering and Management under the banner “*Nurturing Talent with Global Vision*”. The objective of study tour is unique amongst all engineering colleges in Vidharbha region of Maharashtra. The objectives are- To aid students in acquiring basic knowledge of functioning of the industry, Experimental learning and offer both group and self-directed activities that enable learners to explore various industries cultures, practices and people internationally and to provide students the global exposure. From year 2012 to 2017 around 390 students were visited to Dubai, Malaysia, HongKong, Singapore. In year 2018, around 112 students were visited Malaysia. Students visited Mettal Cop., Malaysia University, Petronas Twin Tower, KL City Tower etc. Students learned latest technology and also developed state of art projects in the Institution.
- Power Point Presentations and video demonstrations of concepts during lectures were used resulting in better understanding of the topics and improved attention among students.
- Preparatory and Remedial lectures were conducted before the exams for students who were unsuccessful in certain subjects, in order to improve results.
- Language Lab Resources are made available for students to improve their English language and communication skills.
- Several industry related courses and programs as well as knowledge and skill development courses are being conducted by the departments.
- Technical and Cultural exhibition was conducted by the students under the banner “*Techelons*” in the college campus every year.
- Awareness program in the form of model demonstration and poster presentation was conducted by the faculty of Engineering & Science in order to spread cognizance of social issues among the students at remote locations.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Based on the report from the preceding year the following activities were performed

A. Soft Skill development and summer internship to prepare students for real world challenges

Soft skill training programs were organized for engineering students. Internships are the key to building experience as students or recent graduates. Employers are much more likely to hire someone with internships and work experience rather than someone with a generic resume, lacking experience. It helps students to learn more about a specialised area, to gain valuable work experience to be sure about the path they have selected, to develop and to build upon skills.

B. Student Mentorship System

Faculty members mentored students in the preparation of the Final year projects by guiding them in areas like selection of topic, methods to be used for researching content and collecting data, analysing and compiling the data and drawing inferences as well as presentation of results. Students selected a variety of topics from their specializations.

C. Teaching-Learning Assessment to identify system inefficiencies.

Classroom teaching effectiveness is regularly assessed by senior faculty members in the department. Head of department follows the Academic Calendar. Time-table in-charge for all departments who are responsible for day-to-day lecture adjustments (done in order to avoid loss of lecture hours) and daily reports. Teaching plans prepared at the beginning of the semester are reviewed by coordinators at monthly intervals throughout the semester which allow necessary corrective measures to be adopted.

D. Eco Friendly campus and Social responsibility.

In the midst of the global warming crisis, concern for environment becomes a shared responsibility. To sensitize students and to create awareness about the environment a tree-plantation drive was undertaken by staff and students. They are also visited Orphen's house to help students of physically disabled.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)**Practice I**

1. Title of Practice : *IIT BOMBAY VIRTUAL LAB* -An Initiative of Ministry of Human Resource Development (MHRD)

2. The Goal

Virtual Labs will provide to the students the result of an experiment by one of the following methods (or possibly a combination). Modeling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. This can, at-the-best, provide an approximate version of the 'real-world' experiment. Providing measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system. Remotely triggering an experiment in an actual lab and providing the student the result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.

3.The Context:

- To provide remote-access to labs in various disciplines of Science & Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars.
- To enthuse students to conduct experiments by the arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation.
- To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances.

4.The Practice:

Virtual labs are conducted basically in the form of workshops in two ways:

- In house workshop- conducted for the faculty and students of our own institute.
- Out reached workshop- conducted for the faculty and students of other institutions.
- To conduct such workshops we need to schedule it on IITB web portal: www.vlabs.iitb.ac.in.

5. Evidence of success:

- Few of the evidence of success are quoted as example as follows.
- Successfully organized various workshops of virtual lab tutorials for the students as well as faculties.
- Successfully organized the outreach virtual lab workshop for the P. R. Patil college of Engineering and Tech., Amravati.

6 Problems encountered & Resources required

The Problems encountered are as follows:

- Some of the Laboratories require separate registration for each of the experiment.
- Some of the simulators are under development so students face the problem while performing the experiments.

Practice II

1. Title of Practice I: *Free books distribution for enhancing ethical values in students.*

2. The Goal : In today's world the ethical values are becoming more and more negligible and people rather students are becoming practical. They are loosing interest in the ethical values. To adapt this feature into the student's personality the practice of giving the books free of cost to the students so that at least they can read and acquire these values.

3. The Context:

It is seen that student's are becoming practical and very few of them carries the ethical values. So this practice will ultimately develop the morality in the students and will try to change the thinking of the students who are literally unaware of the consequences they are going to face in the real world. As they leave in the reality and with any failure they easily gets disturb and then loses the confidence in themselves.

4. The Practice:

In this practice actually the books are issued to the department and practice is followed at the department level by distributing such types of books to the students who are toppers in their respective branches. By doing so no particular department will have to keep track of all this at department will maintain the record of every year books distribution and they can even easily find the toppers in their particular department.

5. Evidence of success:

Few of the evidence of success are quoted as example as follows.

- More and more students are attracting towards this and they want such types of books.
- When the prayer starts in the morning they all stand up for the prayer without any caste or religious discriminations.
- They started helping each other in their failures. Also help them in their studies.

6. Problems encountered & Resources required

The Problems encountered was not as such only for receiving such types of books from the resources. We require the resources from where the books can be received easily. We search for such resources and get the variety of books.

7.4 Contribution to environmental awareness / protection

Energy conservation

- Each block of institute has individual power control panels, which help in separate control of energy consumption.
- Energy conserving lights like CFL, LED lights are used in the Institute campus.
- Consciousness through awareness program to save energy in classrooms and laboratories when not in use.

Use of renewable energy Water harvesting

- College has developed lake inside campus from collection of rainwater, by implementing this rise in the water level is observed nearby the campus.
- Artificial pond with 9 Bores is created for rain water harvesting to increase the ground water level and should benefit the nearby localities and positive results are seen.

Efforts for Carbon neutrality Plantation

- Tree plantation-The different types of trees are planted within the campus of the Institute.
- Students are motivated to use bicycle or Public transport to reduce air pollution.
- Institute promote bicycle rally to create awareness.
- College has designed and manufactured the E-rickshaw for transportation within college campus.

7.5 Whether environmental audit was conducted?

Yes

☒

No

☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths:

- Premier Engineering Educational Institutions.
- Fast growth due to dynamic and enthusiastic management.
- State of the art infrastructure and well equipped laboratories.
- Proficient, dynamic and dedicated faculty.
- Enriched library and ICT facilities.
- Active and efficient T & P cell and growth in placement.
- Extra curricular & co-curricular activities for overall develop of students.
- Financial aid by the institute to deserving economically backward students.
- Emphasis on social, ethical and moral values with man making and character building motto.

Weaknesses:

- Lack of industrial belt in nearby area.
- Intake of rural background students.

Opportunities:

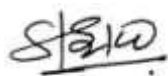
- Upcoming textile and orange processing industries
- Smart City & Rural development Projects
- Skill development programmes
- International collaborations and linkages
- Enhancement in MOUs & Consultancy.

Threats:

- Advent of foreign and private universities
- Declining interest in traditional and basic branches
- Fluctuations in admissions due to changing market trends and demands.
- Fulfilling expectations of stake holders.
- Language barrier due to rural background of students.

8. Plans of institution for next year

- Promote entrepreneurship skill development amongst students
- Improve student placement in core sectors.
- Consultancy to be encouraged in the Labs. Several testing facility in the labs be created and promoted for revenue generation.
- Faculties should be motivated to publish the research articles in high impact factor journals
- Each department should organize Conference /workshops / FDP in every academic year
- More number of students should be encouraged for inplant training, internship program and also motivated to do industry based projects.
- Effective Mentoring system to be implemented. Student-mentor program to be initiated
- Students, alumni and faculties should be motivated to start-up
- Promote outcome based education in all departments based on stakeholder's feedback.
- More external Academic Audits to strengthen departments and Institute.
- More avenues shall be made available for Industrial training after 2nd/3rd year students.
- Enrich students with value based education and programmes.
- Participate in local/village community problems and technology transfer.
- "Gram Dattak Yojana" should be planned and develop with technology
- Professors/Emeritus and Guest faculties shall be appointed in the department



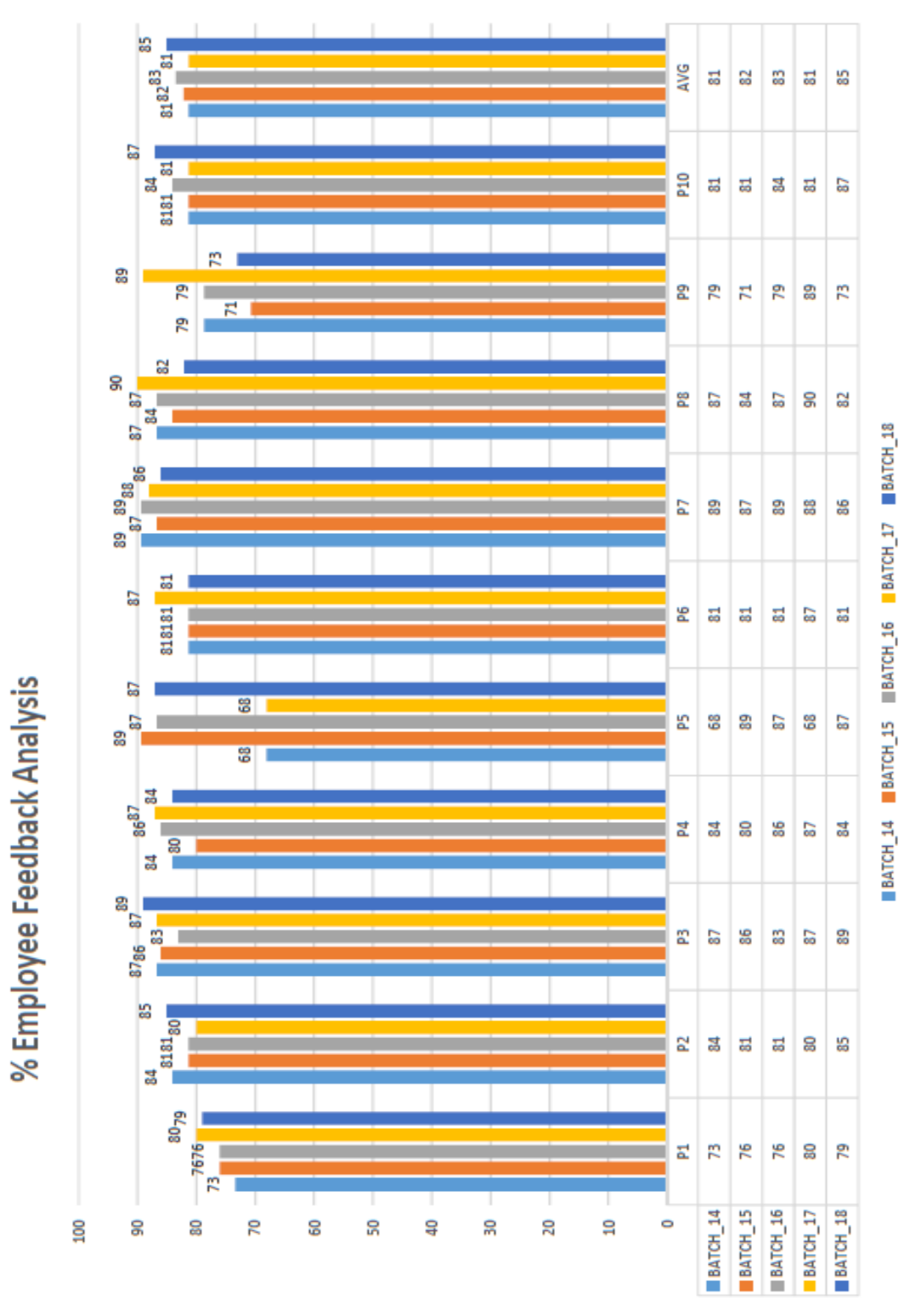
Dr. S. B. Warkad
Signature of the Coordinator, IQAC



Dr. Mrs. S. D. Wakde
Signature of the Chairperson, IQAC

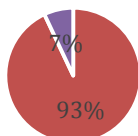
Annexure I: Feedback

P. R. Pote (Patil) Education & Welfare Trust's Group of Institution COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI EMPLOYER FEEDBACK ANALYSIS



PARENTS' FEEDBACK ANALYSIS

Q.1 Are you aware about your ward's attendance in the college?



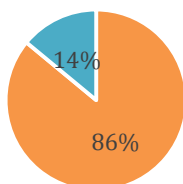
■ Yes ■ No

Q.2 Are you aware of your ward's academic performance at present?



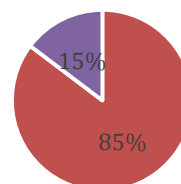
■ Yes ■ No

Q.3 Are you aware about Learning - Teaching process at PRPCEM?



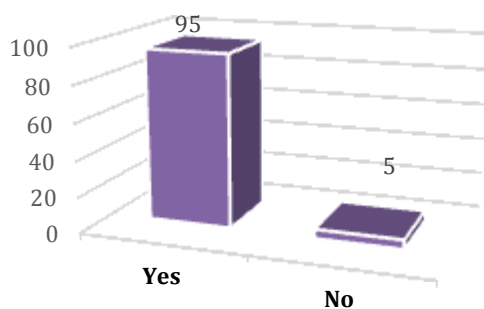
■ Yes ■ No

Q.4 Do you feel Learning - Teaching process in PRPCEM useful to make student Industry ready?



■ Yes ■ No

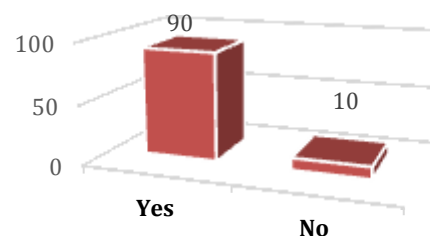
Q.5 Do you find this institution better than others for your ward?



Yes

No

Q.6 Do you feel facilities in the college are adequate?

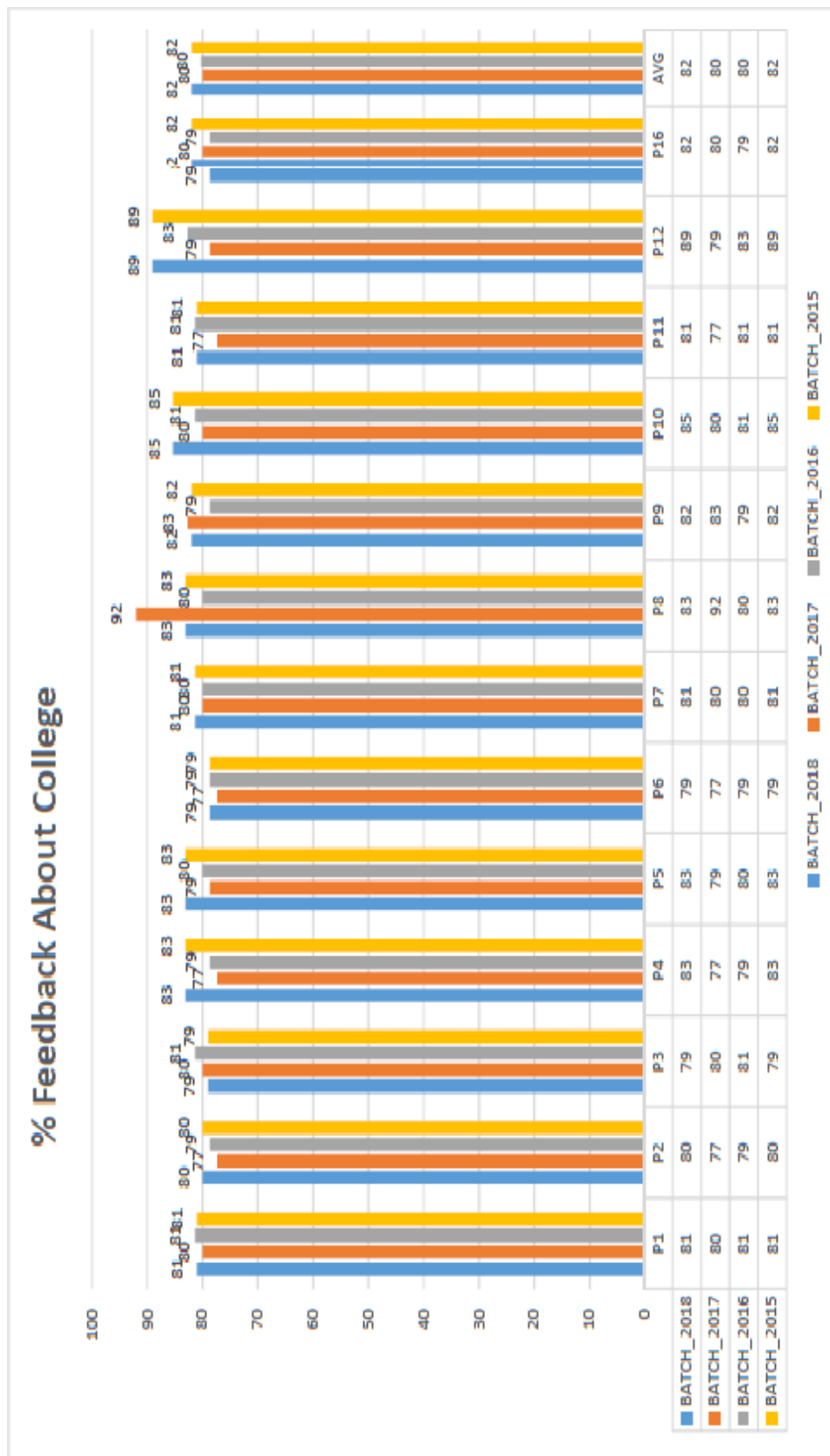


Yes

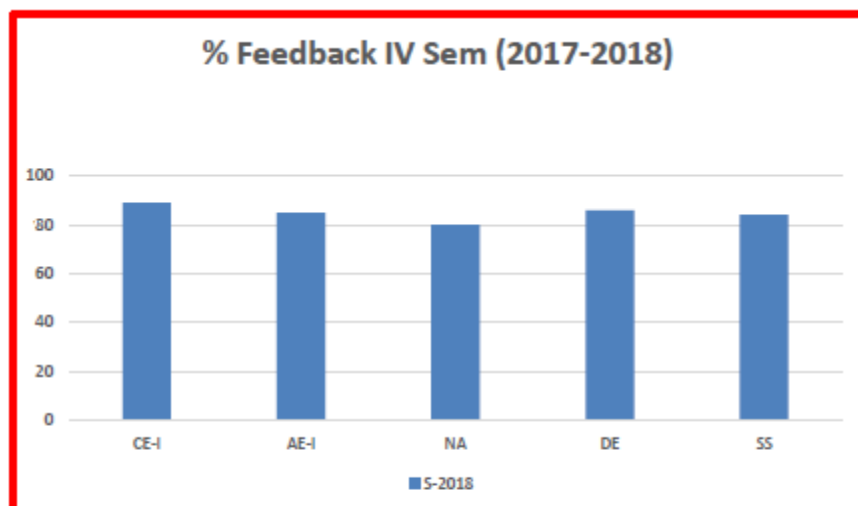
No

■ Sales

Alumni Feedback Analysis



STUDENT'S FEEDBACK FOR FACULTY



| SUBJECT | S-2018 |
|---------|--------------|
| CE-I | R. D. SUSHIR |
| AE-I | G. D. DALVI |
| NA | B. R. MANKAR |
| DE | V.B. LANGOTE |
| SS | A.R. PAWADE |

Sample feedback questionnaire used for faculty feedback at the semester end: (score out of 5)

| Name of faculty and subject | | ABC(1) | DEF(2) | GHI(3) | JKL(4) | MNO(5) |
|-----------------------------|--|--------|--------|--------|--------|--------|
| 1 | Whether the lecturers were well prepared, organized and well-structured course material ? | 4 | 3 | 4 | 4 | 3 |
| 2 | Was the Blackboard writing/ audio visual aids clear and organized? | 4 | 4 | 4 | 4 | 4 |
| 3 | Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples? | 4 | 3 | 3 | 4 | 3 |
| 4 | Whether the Teacher engages classes regularly & maintains the discipline. | 4 | 4 | 4 | 4 | 4 |
| 5 | Whether difficult topics were taught with adequate attention and ease? | 4 | 4 | 3 | 4 | 3 |
| 6 | Was the teacher able to deliver lectures with good communication skills? | 4 | 4 | 4 | 4 | 4 |
| 7 | Were you encouraged to ask Questions, to make lecturers interactive and lively? | 4 | 4 | 4 | 4 | 4 |
| 8 | Whether the teacher was effective in preparing students for exams? | 4 | 3 | 3 | 4 | 3 |
| 9 | Was the unit test evaluation fair and impartial and did it help you to improve? | 4 | 4 | 4 | 4 | 4 |
| 10 | Whether teacher was always accessible to the students for counselling, guidance and solving queries off the classroom hours. | 3 | 3 | 3 | 3 | 3 |