## Academic Audit Report

## AY 2020-21

Internal Academic Audit is an important element in the college for assuring the quality of learning provided to students. The main objective of an academic audit is to ascertain the presence and adequacy of quality assurance procedures, their applicability and effectiveness in guaranteeing quality of inputs, processes and outputs. The Audit has been done by considering various **METRICS of Criteria-I to VII**. Please find below the strengths...... & scope for improvements;

### Strength:

1. Adequate physical infrastructure exists
2. Committed management
3. Locational advantages being in city of Pune
4. Committed and dedicated faculty and staff
5. Strong administrative support to academic, cultural programs and student services
6. Attractive urban campus with well-equipped laboratories and physical infrastructure
7. Remedial classes organized for academically weak student

### Opportunities for AY 2021-22 .....

1. Dr. D Y Patil brand name to be utilized effectively for marketing & communication
2. Resource generation through research and consultancy
3. Attracting funded projects
4. Skill development programs for teaching and non-teaching staff progression
5. Make DYPSOE technical Institution synergizing between all stake holders

### Challenges observed

1. Availability of qualified faculty (faculties with Ph. D. qualifications)
2. High cost of delivering program
3. Regular investment to keep pace with emerging technologies
4. Competing with other technical institutions under SPPU university
5. Campus placements of students with good packages

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

"Empowerment through quality technical education"
Dr D Y Patil Educational Enterprises Charitable Trust's
**Ajeenkya D Y Patil Group of Institution's Technical Campus**

# Dr D Y PATIL SCHOOL OF ENGINEERING

(Approved by AICTE, New Delhi Recognized by Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University)
AISHE Code: C-46648        DTE Code: EN6732        SPPU PUN Code: CEGP015720
**(Accredited by NAAC)**

6. More students from out of state to maintain diversity.

7. Externally funded research projects.

8. Consultancy in all departments

9. Quality publications in peer reviewed journals.

## Scope for Improvement:

Training programs conducted by inviting industry experts. Seminars, workshops, industrial visits organize to meet the need of the students. Memorandum of Understanding with signed with industries to help the students learn beyond the syllabus. More focus be given towards alumni involvement & contribution. Teaching & Learning process to be strengthened for the improvement of academic performance of the students.

Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) are defined but more focus to be given to properly analyse in line with outcome based education. The performance of the students in university examinations needs to be improved.

Good number of research papers are published and encourage faculty members to publish papers in peer reviewed journals of repute. Efforts to be initiated for fetching the grants form govt funding agencies. The students are actively involved in innovative projects and participate in various technological fest.

Provide better communication and skill development programmes so as to make the students more employable. The various skill based activities can be promoted through English language lab and foreign language lab. Institute maintains academic transparency. However, administrative and financial transparency to be fully operational.

Encourage faculty members to undertake sponsored research projects. Encourage the young faculty to obtain Ph.D degree from reputed institution. Library should have e-journals for the research activities.

Perspective planning for the next 5 years of the college to be prepared and communicated to all the stakeholders. Outcome based education to be properly understood and implemented

Dr. F. B. Sayyad
Principal
**Principal**
Dr. D. Y. Patil School of Engineering
Lohegaon, Pune.

Principal
Ajeenkya DY Patil School of
Engineering. Lohegaon, Pune
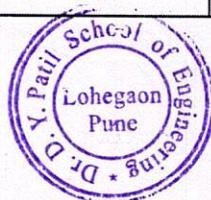
# Dr D Y Patil School of Engineering Lohegaon, Pune

## Internal Academic Audit Report
## 2017-18, 2018-19 & 2019-20

### Dept. of Computer Engineering

Internal Academic Audit is an important element in the institute for assuring the quality of learning provided to students. The main objective of an academic audit is to ascertain the presence and adequacy of quality assurance procedures, their applicability and effectiveness in guaranteeing quality of inputs, processes and outputs.
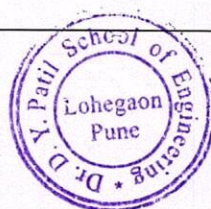
The following table gives various parameters for assessing teaching, research & administration;

| Criteria | Areas | Observations | | |
|---|---|---|---|---|
| | | 2017-18 | 2018-19 | 2019-20 |
| 1. Curriculum Aspects | Course File | OK | OK | ? |
| | *Structured feedback received from Students, Teachers, Employers, Alumni, Parents on curriculum & action taken report*<br><br>Is it available at website ?   No | Teacher, Employer & Alumni feedback not available | Teacher, Employer & Alumni feedback not available | Teacher & Employer feedback not available |
| | Number of certificate program introduced during last two years | Nil | 2 | 2 |
| | Participation of teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last two years | Nil | 04 | 01 |
| | No & Name of new Courses introduced during last two years | Nil | Nil | Nil |
| | No & Name of value added courses offered in last two years. | 4 | 3 | 2 |
| | No of students undertaking field projects/ internships | 30 | 30 | 23 |

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| | | | | |
|---|---|---|---|---|
| 2. Teaching-Learning and Evaluation | No of students from other States | Data not available | Data not available | Data not available |
| | *Innovation and Creativity in teaching-learning ( e.g of innovative teaching)* | | | |
| | • Average teaching experience of teacher. | 4 | 4.5 | 5 |
| | • No of teachers from other state | 0 | 0 | 1 |
| | • No of Ph.D.'s & registered for Ph.D. | 0 | 2 | 2 |
| | • *Student- Full time teacher ratio* | | | |
| | Activities for slow & fast learners | Data not available | Data not available | Data not available |
| | Student Performance and Learning Outcomes ( CO, PO & PSO Mapping & level of attainment) Results in % ( SE, TE & BE) | OK | OK | -- |
| | Student satisfaction Survey / exit survey | Data not available | Institute level | Data not available |
| 3. Research, Innovations and Extension | Research Publications | 20 with students | 64 with students | 37+ with students |
| | Research Projects | Nil | Nil | Nil |
| | Recognitions & Awards | Nil | Nil | Nil |
| | Consultancy | Nil | Nil | Nil |
| | Extension Activities | Data not available | Data not available | Data not available |
| | Collaboration | 4 | 3 | 2+ |
| | No of research guides | Nil | Nil | Nil |
| | Number of Workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last two years | 1 | 1 | 00 |

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Engineering, Lohegaon, Pune

| | | | | |
|---|---|---|---|---|
| | Number of linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the-job training, research etc during the two years | Nil | Nil | Nil |
| | Number of functional MoUs with universities, industries, organization…etc | 4 | 2 | 2 |
| 4. Infrastructure and Learning Resources | Physical Facilities ( No of *classrooms, laboratories, computing equipment…*) | OK | OK | OK |
| | Dept Library & ILMS | No ILMS | No ILMS | No ILMS |
| | E-books & journals | Nil | Nil | Nil |
| | Classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. | With LCD | With LCD | With LCD |
| | Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)…etc | Nil | Nil | Nil |
| 5. Student Support and Progression | Any Student Scholarship | Nil | Nil | Nil |
| | Alumni Engagement / Contribution | Guest Lectures | Guest Lectures | Guest Lectures |
| | *Number of capability enhancement and development schemes in the dept*<br>1. Guidance for competitive examinations<br>2. Career counselling<br>3. Soft skill development<br>4. Remedial coaching<br>5. Language lab<br>6. Bridge courses<br>7. Yoga and meditation<br>8. Personal Counselling | 18 | 9 | 11 |
| | Average percentage of placement of outgoing students | Data not available | Data not available | Data not available |
| | Student progression to higher education ( No) | Data not available | 02 | -- |

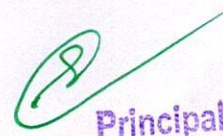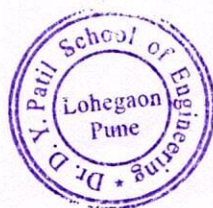| | | | | |
|---|---|---|---|---|
| | No of students passed in GRE / TOEFL / GATE / IELTS / CAT / Civil Services exams…) | Nil | 01 | -- |
| | Number of awards/medals for outstanding performance in sports/cultural activities at national ( students) | 0 | 4 | 1 |
| 6. Governance, Leadership and Management | Dept Vision and Mission ¤ | Ok | Ok | Ok |
| | Dept practices decentralization and participative management | Partially effective | Partially effective | Partially effective |
| | Perspective/Strategic plan of the dept for next 5 years | Not available | Not available | Not available |
| | Organizational structure of the dept | Not well defined | Not well defined | Not well defined |
| | Effectiveness of various committees in the dept & evidences through minutes of meetings and implementation of their resolution. | Evidences not available | Evidences not available | Evidences not available |
| | number of professional development /administrative training programs organized by the dept for teaching and non teaching staff during the last two years | Nil | Nil | 1 |
| | No of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last two years | Nil | 9 | -- |
| | Dept has Performance Appraisal System for teaching and non-teaching staff | Documents not available | Documents not available | Documents not available |
| | Funds / Grants received from non-government bodies, individuals, philanthropers during the last two years | Nil | Nil | Nil |
| | Quality assurance initiatives of the dept | 00 | Not clearly described | Not clearly described |
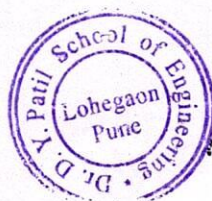
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

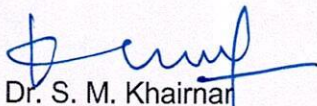| | | | | |
|---|---|---|---|---|
| | Financial Management and Resource Mobilization | Documents not available | Documents not available | Documents not available |
| | Internal Quality Assurance System in the dept | Partially effective | Partially effective | Partially effective |
| 7. Institutional Values and Best Practices | Number of gender equity promotion Programmes organized by the dept | 1 | 1 | -- |
| | Number of initiatives taken to engage with and contribute to local community | 1 | 1 | -- |
| | Dept offers a course on Human Values and professional ethics | No | No | No |
| | Describe at least two dept best practices | Not well described | Not well described | Not identified new |
| | Dept Distinctiveness | Not well described | Not well described | Not identified new |

## Observations:

- Department should strive to get funded projects from various funding agencies like AICTE/DST/BRNS/DAE/CSIR/DRDO/DBT/ISRO/Industries, etc.

- Tap the faculty potential more effectively to obtain sufficient research grants & consultancy.

- Introduce viable value added jobs oriented courses.

- More focused on continuous internal assessment to improve the culture in the department (Teaching – Learning Process).

- Students' progress to higher studies and employment is to be properly monitored.

- Give serious thought on CO-PO- Mapping & attainments.

- Should organize at least one alumni meet once in a year & take the benefit of alumni engagement for placement & projects.

- Students Satisfaction Survey & corrective measures on it should be discuss in Dept & IQAC meetings.

Principal
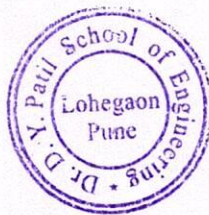Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

- Serious thought on effective feedback analysis system from stake holders and corrective action plan.

- Appropriate strategies needed for motivating slow and fast learners in the department.

- Remedial and curriculum bridge programmes should be introduced.

- Department needs more attention on skill based courses for students apart from regular curriculum for enhancing employability.

- Identify & justify minimum two best practices & distinctiveness of Department.

- To increase involvement of stakeholders (students, parents, industry, alumni...etc) for achieving the vision of department.
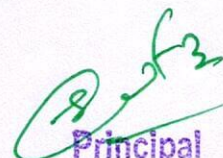
Dr. S. M. Khairnar
On behalf of auditors

Date: 4th July 2020

Copy to:
1. Principal
2. Head of Department for circulation in dept.
3. IQAC

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune
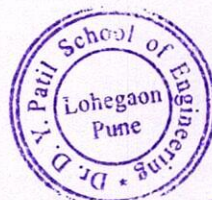
# Dr D Y Patil School of Engineering Lohegaon, Pune

## Internal Academic Audit Report
## 2017-18, 2018-19 & CAY

### Dept of Civil Engineering

Internal Academic Audit is an important element in the institute for assuring the quality of learning provided to students. The main objective of an academic audit is to ascertain the presence and adequacy of quality assurance procedures, their applicability and effectiveness in guaranteeing quality of inputs, processes and outputs.

The following table gives various parameters for assessing teaching, research & administration;
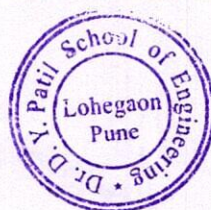
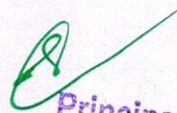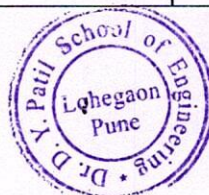| Criteria | Areas | Observations | | |
|---|---|---|---|---|
| | | 2017-18 | 2018-19 | 2019-20 |
| 1. Curriculum Aspects | Course File | OK | OK | ? |
| | *Structured feedback received from Students, Teachers, Employers, Alumni, Parents on curriculum & action taken report*<br><br>Is it available at website ?   No | Teacher, Employer & Alumni feedback not available | Teacher, Employer & Alumni feedback not available | Teacher & Employer feedback not available |
| | Number of certificate program introduced during last two years | Nil | Nil | Nil |
| | Participation of teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last two years | Documents not available | Documents not available | Documents not available |
| | No & Name of new Courses introduced during last two years | Nil | Nil | Nil |
| | No & Name of value added courses offered in last two years. | Nil | Autocad for SE | Autocad for SE |
| | No of students undertaking field projects/ internships | 01 | 01 | Data not available |

Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

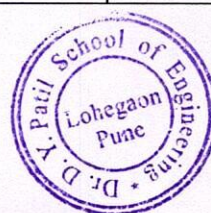| 2. Teaching-Learning and Evaluation | No of students from other States | Data not available | Data not available | Data not available |
|---|---|---|---|---|
| | *Innovation and Creativity in teaching-learning ( e.g of innovative teaching)* | | | |
| | • Average teaching experience of teacher. | 6 | 6 | 6 |
| | • No of teachers from other state | 0 | 0 | 1 |
| | • No of Ph.D.'s & registered for Ph.D. | 1 | 0 | 3 |
| | • *Student- Full time teacher ratio* | | | |
| | Activities for slow & fast learners | Data not available | Data not available | Data not available |
| | Student Performance and Learning Outcomes ( CO, PO & PSO Mapping & level of attainment) Results in % ( SE, TE & BE) | CO-PO not available | CO-PO not available | CO-PO not available |
| | Student satisfaction Survey / exit survey | Data not available | OK | Data not available |
| 3. Research, Innovations and Extension | Research Publications | -- | 12 | 02 |
| | Research Projects | 1 | -- | -- |
| | Recognitions & Awards | -- | 1-DYPSOE | 1-DYPSOE |
| | Consultancy | RS.30000 | Rs.1 lakh | Rs.80000 |
| | Extension Activities | -- | 04 | -- |
| | Collaboration | -- | 02 | -- |
| | No of research guides | 00 | 00 | 00 |
| | Number of Workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last two years | 00 | 00 | 00 |

| | | | | |
|---|---|---|---|---|
| | Number of linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the two years | 00 | Documents not available | Documents not available |
| | Number of functional MoUs with universities, industries, organization…etc | 1 | 3 | 3 |
| 4. Infrastructure and Learning Resources | Physical Facilities ( No of *classrooms, laboratories, computing equipment…)* | OK | OK | OK |
| | Dept Library & ILMS | -- | -- | Books 622 |
| | E-books & journals | -- | -- | -- |
| | Classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. | -- | -- | -- |
| | Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)…etc | -- | -- | -- |
| 5. Student Support and Progression | Any Student Scholarship | -- | -- | -- |
| | Alumni Engagement / Contribution | -- | -- | -- |
| | *Number of capability enhancement and development schemes in the dept*<br>1. Guidance for competitive examinations<br>2. Career counselling<br>3. Soft skill development<br>4. Remedial coaching<br>5. Language lab<br>6. Bridge courses<br>7. Yoga and meditation<br>8. Personal Counselling | 15<br><br><br>Nil | 15<br><br><br>Nil | 15<br><br><br>Nil |
| | Average percentage of placement of outgoing students | 25%  ? | 30%  ? | ? |
| | Student progression to higher education ( No) | 5 | 1 | -- |

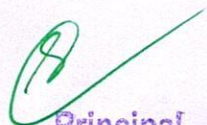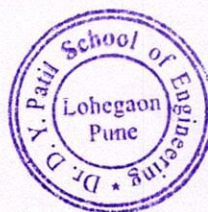| | | | | |
|---|---|---|---|---|
| | No of students passed in GRE / TOEFL / GATE / IELTS / CAT / Civil Services exams...) | -- | -- | -- |
| | Number of awards/medals for outstanding performance in sports/cultural activities at national ( students) | 1 | 1 | - |
| 6. Governance, Leadership and Management | Dept Vision and Mission ¤ | Ok | Ok | Ok |
| | Dept practices decentralization and participative management | Ok | Ok | Ok |
| | Perspective/Strategic plan of the dept for next 5 years | Ok | Ok | Ok |
| | Organizational structure of the dept | Ok | Ok | Ok |
| | Effectiveness of various committees in the dept & evidences through minutes of meetings and implementation of their resolution. | Not well defined | Partially effective | Partially effective |
| | number of professional development /administrative training programs organized by the dept for teaching and non teaching staff during the last two years | -- | 1 | 1 |
| | No of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last two years | -- | 3 | 2 |
| | Dept has Performance Appraisal System for teaching and non-teaching staff | Yes | Yes | Yes |
| | Funds / Grants received from non-government bodies, individuals, philanthropers during the last two years | -- | -- | -- |
| | Quality assurance initiatives of the dept | -- | -- | NABL |

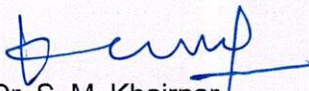| | | | | |
|---|---|---|---|---|
| | Financial Management and Resource Mobilization | -- | -- | -- |
| | Internal Quality Assurance System in the dept | Implementation missing | Implementation missing | Implementation missing |
| 7. Institutional Values and Best Practices | Number of gender equity promotion Programmes organized by the dept | -- | -- | -- |
| | Number of initiatives taken to engage with and contribute to local community | -- | 1 | 1 |
| | Dept offers a course on Human Values and professional ethics | -- | -- | -- |
| | Describe at least two dept best practices | Not identified new | Not identified new | Not identified new |
| | Dept Distinctiveness | Not identified | Not identified | Not identified |

## Observations:

- Department should strive to get funded projects from various funding agencies like AICTE/DST/BRNS/DAE/CSIR/DRDO/DBT/ISRO/Industries, etc.
- Tap the faculty potential more effectively to obtain sufficient research grants & consultancy.
- Introduce viable value added jobs oriented courses.

- More focused on continuous internal assessment to improve the culture in the department (Teaching – Learning Process).

- Students' progress to higher studies and employment is to be properly monitored.

- Give serious thought on CO-PO- Mapping & attainments.

- Should organize at least one alumni meet once in a year & take the benefit of alumni engagement for placement & projects.

- Students Satisfaction Survey & corrective measures on it should be discuss in Dept & IQAC meetings.

Principal
Ajeenkya DY Patil School of
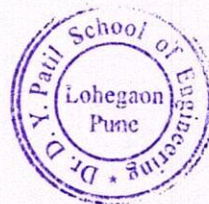Engineering, Lohegaon, Pune.

- Serious thought on effective feedback analysis system from stake holders and corrective action plan.

- Appropriate strategies needed for motivating slow and fast learners in the department.

- Remedial coaching and curriculum bridge courses should be introduced.

- Department needs more attention on skill based courses for students apart from regular curriculum for enhancing employability.

- Identify & justify minimum two best practices & distinctiveness of Civil Department.

- To increase involvement of stakeholders (students, parents, industry, alumni...etc) for achieving the vision of department.
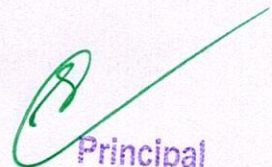

Dr. S. M. Khairnar
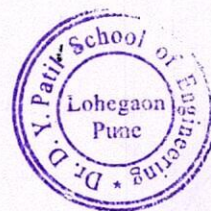On behalf of auditors

Date: 4th July 2020


Copy to:
1. Principal
2. Head of Department for circulation in dept.
3. IQAC

Principal
Ajeenkya DY Patil School of
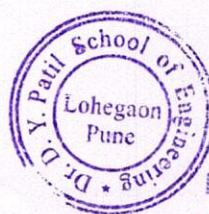Engineering, Lohegaon, Pune

| | | | | |
|---|---|---|---|---|
| 2.<br>Teaching-Learning and Evaluation | No of students from other States | 28% | Data not available | |
| | *Innovation and Creativity in teaching-learning ( e.g of innovative teaching)* | | | |
| | • Average teaching experience of teacher.<br>• No of teachers from other state<br>• No of Ph.D.'s & registered for Ph.D.<br>• *Student- Full time teacher ratio* | 8<br><br>3<br><br>3+3<br><br>15:01 | 8<br><br>3<br><br>4+2 | |
| | Activities for slow & fast learners | Nil | Nil | |
| | Student Performance and Learning Outcomes ( CO, PO & PSO Mapping & level of attainment)<br><br>Results in % ( SE, TE & BE) | CO-PO not available<br><br>SE-35<br>TE-22<br>BE-81 | CO-PO not available<br><br>---- | |
| | Student satisfaction Survey / exit survey | Data not available | Institute level | |
| 3.<br>Research, Innovations and Extension | Research Publications | 4 with students | 32 with students | |
| | Research Projects | 1 | 1 | |
| | Recognitions & Awards | Nil | Reserarch Guide | |
| | Consultancy | Nil | Nil | |
| | Extension Activities | Nil | Nil | |
| | Collaboration | 02 | Nil | |
| | No of research guides | Nil | 1 | |
| | Number of Workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last two years | Nil | Nil | |

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

| | | | | |
|---|---|---|---|---|
| | Number of linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the two years | Nil | Nil | |
| | Number of functional MoUs with universities, industries, organization…etc | 2 | Nil | |
| 4. Infrastructure and Learning Resources | Physical Facilities ( No of *classrooms, laboratories, computing equipment…*) | 4 | 3 | |
| | Dept Library & ILMS | Yes | Yes | |
| | E-books & journals | Nil | Nil | |
| | Classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. | Nil | Nil | |
| | Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)…etc | Nil | Nil | |
| 5. Student Support and Progression | Any Student Scholarship | Nil | Nil | |
| | Alumni Engagement / Contribution | Guest lectures | Guest lectures | |
| | *Number of capability enhancement and development schemes in the dept* <br> 1. Guidance for competitive examinations <br> 2. Career counselling <br> 3. Soft skill development <br> 4. Remedial coaching <br> 5. Language lab <br> 6. Bridge courses <br> 7. Yoga and meditation <br> 8. Personal Counselling | Nil <br><br> Nil | Nil <br><br> 02 <br><br> Nil | |
| | Average percentage of placement of outgoing students | Data not available | 15%  ? | |
| | Student progression to higher education ( No) | Data not available | 1 GRE | |

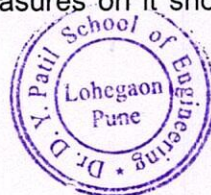| | | | | |
|---|---|---|---|---|
| | No of students passed in GRE / TOEFL / GATE / IELTS / CAT / Civil Services exams…) | Data not available | 01 | |
| | Number of awards/medals for outstanding performance in sports/cultural activities at national ( students) | Nil | 1 | |
| 6. Governance, Leadership and Management | Dept Vision and Mission ¤ | Ok | Ok | |
| | Dept practices decentralization and participative management | Ok | Ok | |
| | Perspective/Strategic plan of the dept for next 5 years | Ok | Ok | |
| | Organizational structure of the dept | Ok | Ok | |
| | Effectiveness of various committees in the dept & evidences through minutes of meetings and implementation of their resolution. | Data not available | Not available | |
| | number of professional development /administrative training programs organized by the dept for teaching and non teaching staff during the last two years | Nil | Nil | |
| | No of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last two years | Nil | 3 faculties | |
| | Dept has Performance Appraisal System for teaching and non-teaching staff | Data not available | Data not available | |
| | Funds / Grants received from non-government bodies, individuals, philanthropers during the last two years | Nil | Nil | |
| | Quality assurance initiatives of the dept | Data not available | Data not available | |
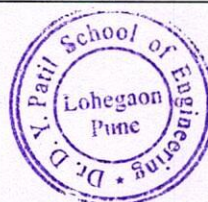
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

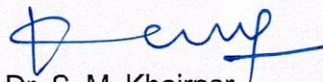| | | | | |
|---|---|---|---|---|
| | Financial Management and Resource Mobilization | Data not available | Data not available | |
| | Internal Quality Assurance System in the dept | Implementation? | Implementation? | |
| 7. Institutional Values and Best Practices | Number of gender equity promotion Programmes organized by the dept | Nil | Nil | |
| | Number of initiatives taken to engage with and contribute to local community | Nil | Nil | |
| | Dept offers a course on Human Values and professional ethics | No | No | |
| | Describe at least two dept best practices | Not Described | Not Described | |
| | Dept Distinctiveness | Not identified | Not identified | |

## Observations:

- All faculty of department should strive to get funded projects from various funding agencies like AICTE/DST/BRNS/DAE/CSIR/DRDO/DBT/ISRO/Industries, etc.

- Tap the faculty potential more effectively to obtain sufficient research grants & consultancy.

- Introduce viable value added jobs oriented courses.

- More focused on continuous internal assessment to improve the culture in the department (Teaching – Learning Process).

- Students' progress to higher studies and employment is to be properly monitored.

- Give serious thought on CO-PO- Mapping & attainments.

- Should organize at least one alumni meet once in a year & take the benefit of alumni engagement for placement & projects.

- Students Satisfaction Survey & corrective measures on it should be discuss in Dept & IQAC meetings.

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- Serious thought on effective feedback analysis system from stake holders and corrective action plan.

- Appropriate strategies needed for motivating slow and fast learners in the department.

- Remedial and curriculum bridge programmes should be introduced.

- Department needs more attention on skill based courses for students apart from regular curriculum for enhancing employability.

- Identify & justify minimum two best practices & distinctiveness of Department.

- To increase involvement of stakeholders (students, parents, industry, alumni...etc) for achieving the vision of department.
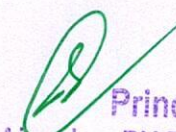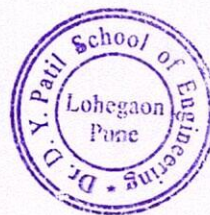

Dr. S. M. Khairnar
On behalf of auditors

Date: 4th July 2020


Note: Audit not done for 2019-20.


Copy to:
1. Principal
2. Head of Department for circulation in dept.
3. IQAC

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune
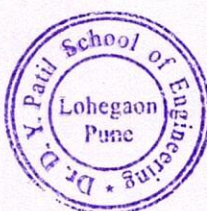
# Dr D Y Patil School of Engineering Lohegaon, Pune

## Internal Academic Audit Report
## 2017-18, 2018-19 & CAY

### Dept. of E & Tc Engineering

Internal Academic Audit is an important element in the institute for assuring the quality of learning provided to students. The main objective of an academic audit is to ascertain the presence and adequacy of quality assurance procedures, their applicability and effectiveness in guaranteeing quality of inputs, processes and outputs.

The following table gives various parameters for assessing teaching, research & administration;

| Criteria | Areas | Observations | | |
|---|---|---|---|---|
| | | 2017-18 | 2018-19 | 2019-20 |
| 1. Curriculum Aspects | Course File | CO-PO Missing | CO-PO Missing | |
| | *Structured feedback received from* Students, Teachers, Employers, Alumni, Parents on curriculum & action taken report<br><br>Is it available at website ?   No | Teacher, Employer & Alumni feedback not available | Teacher, Employer & Alumni feedback not available | |
| | Number of certificate program introduced during last two years | Nil | Nil | |
| | Participation of teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last two years | Nil | 02 | |
| | No & Name of new Courses introduced during last two years | Nil | Nil | |
| | No & Name of value added courses offered in last two years. | Nil | Nil | |
| | No of students undertaking field projects/ internships | 01 | 15 | |

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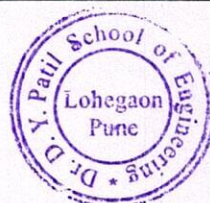# Dr D Y Patil School of Engineering Lohegaon, Pune

## Internal Academic Audit Report
## 2017-18, 2018-19 & 2019-20

### Dept. of Mechanical Engineering

Internal Academic Audit is an important element in the institute for assuring the quality of learning provided to students. The main objective of an academic audit is to ascertain the presence and adequacy of quality assurance procedures, their applicability and effectiveness in guaranteeing quality of inputs, processes and outputs.
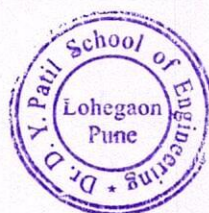
The following table gives various parameters for assessing teaching, research & administration;

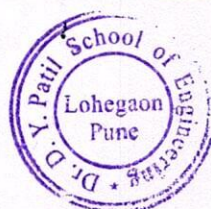| Criteria | Areas | Observations | | |
|---|---|---|---|---|
| | | 2017-18 | 2018-19 | 2019-20 |
| 1. Curriculum Aspects | Course File | Data not available | Data not available | Data not available |
| | Structured feedback received from Students, Teachers, Employers, Alumni, Parents on curriculum & action taken report<br><br>Is it available at website ? No | Teacher, Employer & Alumni feedback not available | Teacher, Employer & Alumni feedback not available | Teacher & Employer feedback not available |
| | Number of certificate program introduced during last two years | Nil | Nil | Nil |
| | Participation of teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last two years | Documents not available | Documents not available | Documents not available |
| | No & Name of new Courses introduced during last two years | Audit Course-SE | Audit Course-TE | Nil |
| | No & Name of value added courses offered in last two years. | Nil | Nil | Nil |
| | No of students undertaking field projects/ internships | Nil | 13 + 13 | Data not available |

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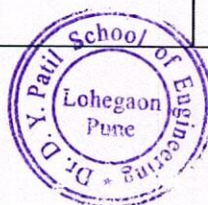| | | | | |
|---|---|---|---|---|
| 2.<br>Teaching-Learning and Evaluation | No of students from other States | Data not available | Data not available | Data not available |
| | *Innovation and Creativity in teaching-learning ( e.g of innovative teaching)* | | | |
| | • Average teaching experience of teacher.<br>• No of teachers from other state<br>• No of Ph.D.'s & registered for Ph.D.<br>• *Student- Full time teacher ratio* | 7<br><br>0<br><br>1<br><br>15:1 | 7<br><br>3<br><br>3 | 7<br><br>3<br><br>3 |
| | Activities for slow & fast learners | Nil | Nil | Nil |
| | Student Performance and Learning Outcomes ( CO, PO & PSO Mapping & level of attainment)<br><br>Results in % ( SE, TE & BE) | Attainment not available | Attainment not available | Attainment not available |
| | Student satisfaction Survey / exit survey | Data not available | Institute level | Data not available |
| 3.<br>Research, Innovations and Extension | Research Publications | -- | 31 with students | Data not available |
| | Research Projects | Nil | Nil | Nil |
| | Recognitions & Awards | Nil | Nil | 1-Mr Ghule |
| | Consultancy | Nil | Nil | Nil |
| | Extension Activities | 10 | 20 | 05 |
| | Collaboration | Data not available | Data not available | Data not available |
| | No of research guides | 00 | 00 | 00 |
| | Number of Workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last two years | Nil | Nil | Nil |

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| | | | | |
|---|---|---|---|---|
| | Number of linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the-job training, research etc during the two years | Nil | 150 | Documents not available |
| | Number of functional MoUs with universities, industries, organization…etc | Nil | 3 | Documents not available |
| 4. Infrastructure and Learning Resources | Physical Facilities ( No of *classrooms, laboratories, computing equipment…)* | OK | OK | OK |
| | Dept Library & ILMS | 800 | 1000 | Books 1000 |
| | E-books & journals | Not available | Not available | Not available |
| | Classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. | Not available | Not available | Not available |
| | Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)…etc | Not available | Not available | Not available |
| 5. Student Support and Progression | Any Student Scholarship | Nil | Nil | Nil |
| | Alumni Engagement / Contribution | Nil | Nil | Nil |
| | *Number of capability enhancement and development schemes in the dept* <br> 1. Guidance for competitive examinations <br> 2. Career counselling <br> 3. Soft skill development <br> 4. Remedial coaching <br> 5. Language lab <br> 6. Bridge courses <br> 7. Yoga and meditation <br> 8. Personal Counselling | 1 <br><br><br> Nil | 2 <br><br><br> Nil | 0 <br><br><br> Nil |
| | Average percentage of placement of outgoing students | Data not available | Data not available | Data not available |
| | Student progression to higher education ( No) | 3 | 3 | -- |

| | | | | |
|---|---|---|---|---|
| | No of students passed in GRE / TOEFL / GATE / IELTS / CAT / Civil Services exams…) | -- | 1-GATE | -- |
| | Number of awards/medals for outstanding performance in sports/cultural activities at national ( students) | Nil | NIL | Nil |
| 6. Governance, Leadership and Management | Dept Vision and Mission ¤ | Ok | Ok | Ok |
| | Dept practices decentralization and participative management | Ok | Ok | Ok |
| | Perspective/Strategic plan of the dept for next 5 years | Not available | Not available | Not available |
| | Organizational structure of the dept | Not available | Not available | Not available |
| | Effectiveness of various committees in the dept & evidences through minutes of meetings and implementation of their resolution. | Not available | Not available | Not available |
| | number of professional development /administrative training programs organized by the dept for teaching and non teaching staff during the last two years | Not available | Not available | Not available |
| | No of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last two years | Nil | 8 | Nil |
| | Dept has Performance Appraisal System for teaching and non-teaching staff | Documents not available | Documents not available | Documents not available |
| | Funds / Grants received from non-government bodies, individuals, philanthropers during the last two years | Nil | Nil | Nil |
| | Quality assurance initiatives of the dept | Not available | Not available | Not available |

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Engineering, Lohegaon, Pune

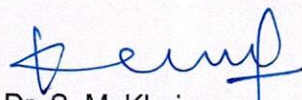| | | | | |
|---|---|---|---|---|
| | Financial Management and Resource Mobilization | Documents missing | Documents missing | Documents missing |
| | Internal Quality Assurance System in the dept | Partially implemented | Partially implemented | Partially implemented |
| 7. Institutional Values and Best Practices | Number of gender equity promotion Programmes organized by the dept | Nil | Nil | Nil |
| | Number of initiatives taken to engage with and contribute to local community | Evidences missing | Evidences missing | Evidences missing |
| | Dept offers a course on Human Values and professional ethics | No | No | No |
| | Describe at least two dept best practices | Not described | Not described | Not identified new |
| | Dept Distinctiveness | Not identified | Not identified | Not identified |

## Observations:

- Department should strive to get funded projects from various funding agencies like AICTE/DST/BRNS/DAE/CSIR/DRDO/DBT/ISRO/Industries, etc.

- Tap the faculty potential more effectively to obtain sufficient research grants & consultancy.

- Introduce viable value added jobs oriented courses.

- More focused on continuous internal assessment to improve the culture in the department (Teaching – Learning Process).

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- Should organize at least one alumni meet once in a year & take the benefit of alumni engagement for placement & projects.

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- Serious thought on effective feedback analysis system from stake holders and corrective action plan.

- Appropriate strategies needed for motivating slow and fast learners in the department.

- Remedial and curriculum bridge programmes should be introduced.

- Department needs more attention on skill based courses for students apart from regular curriculum for enhancing employability.

- Identify & justify minimum one best practice & distinctiveness of Department.

- To increase involvement of stakeholders (students, parents, industry, alumni...etc) for achieving the vision of department.

Dr. S. M. Khairnar
On behalf of auditors

Date: 4th July 2020

Copy to:
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