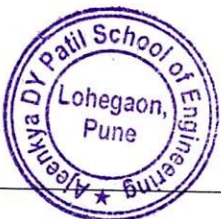"Empowerment through quality technical education"
AJEENKYA DY Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohgaon, Pune – 412 105
Department of E&TC Engineering

AJEENKYA
DY Patil School of Engineering

Internal & External Academic & Administrative Audits (AAA) & Action Taken

Principal
Ajeenkya DY Patil School of
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Date: 13/09/2023

External Auditors Report on Academic and Administrative Audit of A.Y. 2022-23

The institute has conducted an External Academic and Administrative audit for the academic year 2022-23.

The following members were present for the audit:

1] **Dr. Kamaljeet Kaur,** Director-Technical Campus.

2] **Dr. F.B. Sayyad,** Principal, ADYPSOE, Pune.

3] **Dr. Anjali Joshi,** External Auditor, MMIT Pune.

4] **Dr. Umesh Moharil,** External Auditor, MMIT Pune.

5] **Mr. Gorakhanath Deshmukh,** Registrar, ADYPSOE, Pune.

6] **Dr. Niranjan L. Shegokar,** Dean Academics, ADYPSOE, Pune.

7] **Deans & Heads of all departments,** ADYPSOE, Pune.

8] **Dr. Rahul Bachute,** NAAC Coordinator, ADYPSOE, Pune.

9] **Mr. Riyaj Kazi,** IQAC Coordinator, ADYPSOE, Pune.

10] **Chairpersons,** NAAC Criteria.

The audit was conducted on the following quality indicators:

1] Curricular Aspects

2] Teaching, Learning and Evaluation

3] Research, Innovations and Extension

4] Infrastructure and Learning Resources

5] Student Support and Progression

6] Governance Leadership & Management

7] Institutional Values and Best Practice

8] Administrative Records

Principal
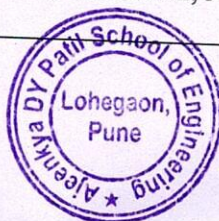Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

External Auditors Recommendations & Suggestions:

Criteria	Recommendations/Suggestions
CR-I **Curricular Aspects**	1] A Case study for adherence to the academic calendar to be included in the Principal presentation. 2] Tabular record of Add-on, Value added and Certificate courses to be done.
CR-II **Teaching-Learning and Evaluation**	1] (i) Service books and Roster for regular faculty is required. (iii) Appraisal process for Adhoc and UGC approved faculty should be transparent. Service Books for Adhoc faculties who are with us since last 2-3 years. 2] Case study of grievances regarding internal and external examination is required. Transparency in the continuous assessment and evaluation process is required. 3] Scholarship for needy students. Covid Cases: Special Provision, Scholarship for PG Students to be considered to promote higher education through a well-defined procedure (Students Application –Recommendation-Management Sanction)
CR-IV **Infrastructure and Learning Resources**	1] The details of expenditure reflected under repair and maintenance of 80L are to be bifurcated.
CR V **Students Support and Progression**	1] LinkedIn profiles may be attached for those students who are not willing to provide offer letters/company email.
CR VI **Governance, Leadership and Management**	1] Staff Welfare Schemes: Include beneficiaries.
CR-VII **Institutional Values and Best Practices**	1] Potable water testing- Get water tested from NABL lab (Every Six Months) 2] 7.1.4 Activity to be bifurcated under the various heads tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic etc.
Administrative Records	Besides the Administrative File Index contents, add the following: 1] Minutes of Meeting of Statutory Committees e.g. Governing Body, ICC, General Grievance Redressal, Anti-ragging.

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Management	1] Financial Powers to Principal and HOD
	2] Deployment of Perspective & Strategic Plan
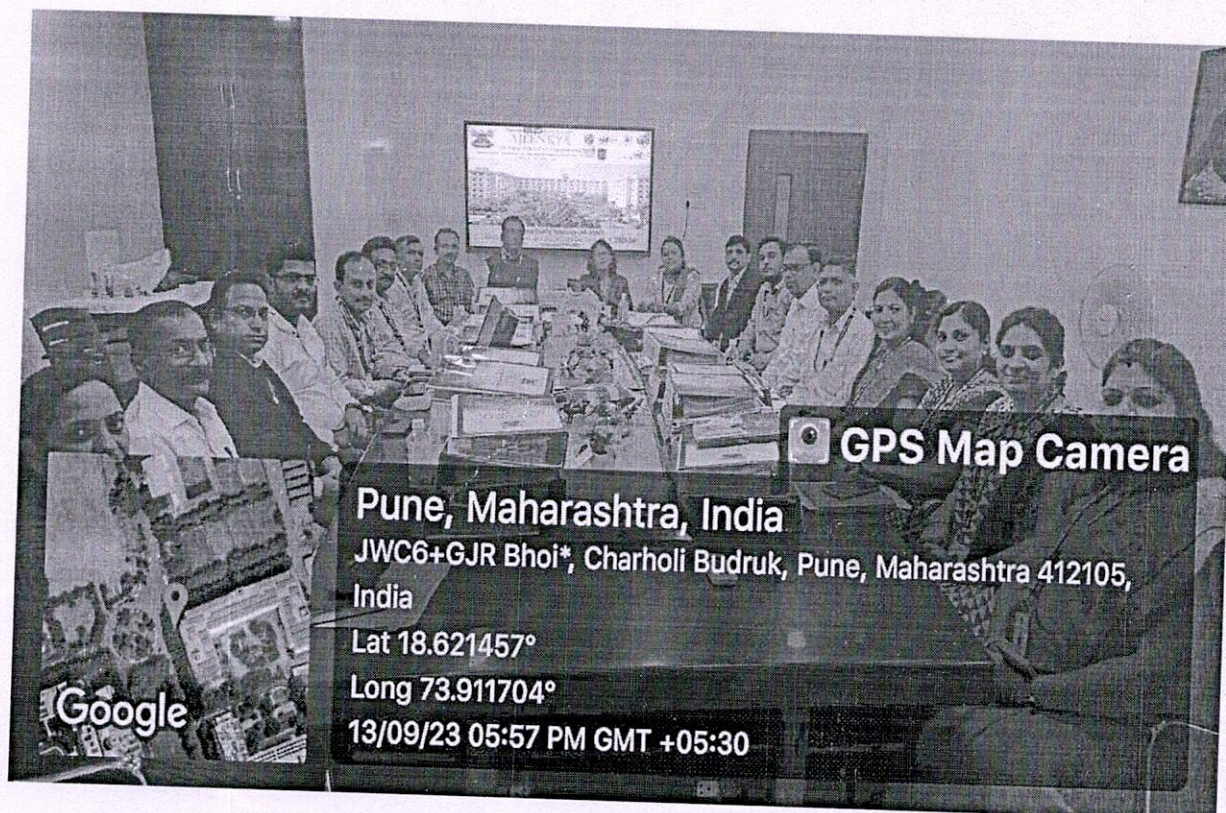
External Auditors Details	Signature with Date
Dr. Anjali Joshi HoD- Mechanical Engineering, IQAC Coordinator, MMIT, Pune	
Dr. Umesh Moharil, HoD- Engineering Science, NAAC Coordinator, MMIT Pune.	*VP Moharil.*

Mr. Riyaj Kazi
IQAC Coordinator
Internal Member, ADYPSOE

Dr. F.B.Sayyad
Principal
Internal Member, ADYPSOE
Principal
Ajeenkya DY Patil School of
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Academic & Administrative Audit   **A.Y. 2023-24**

Meeting Attendance   **13**/092023

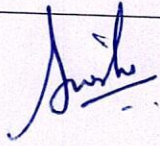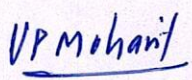| Sr. No.	Name	Signature
1	Dr. Kamaljeet Kaur Siddhu, Director- Technical Campus	
2	Dr. Farook Sayyad, Principal	
3	Mr. Gorakhnath Deshmukh, Registrar	
4	Dr. S. M. Khairnar, HoD [Engg. Science] & Dean R&D	
5	Dr. Pankaj Agarkar, HoD [Computer Engg.]	
6	Dr. Saniya Ansari, HoD [E&TC Engg.] & Dean Innovation Ecosystem	
7	Dr. Rahul Bachute, HoD [Automobile Engg.]	
8	Prof. Rohit Garad, HoD [Mechanical Engg.]	
9	Prof. Sanjay M. Karodpati, HoD [Civil Engg.]	
10	Prof. Bhagyashree Dhakulkar, HoD [AI&DS] & Dean Alumni	
11	Ms. Shweta Sharma, Dean T&P	
12	Dr. Niranjan Shegokar, Dean Academics & NEP 2020 Coordinator	
13	Dr. Sanjay Koli, Dean Consultancy	
14	Dr. Dileep More, Dean Students Development	
15	Dr. Shreepad Sarange, Dean of Faculty Development	
16	Dr. Santosh Jadhav, Mechanical Engg.	
17	Dr. Pallavi Kharat, Civil Engg.	
18	Prof. Minal Tole, Faculty, Computer Engg.	
19	Prof. Anita Mahajan, Computer Engg.	
20	Prof. Aakansha Ingale, Civil Engg.	
21	Prof. Vishwajeet Kadlag, Civil Engg.	
22	Prof. Swapnil Bijwe, Civil Engg.	
23	Prof. Nilesh Pinjarkar, Faculty, Computer Engg.	
24	Prof. Riyaj Kazi, IQAC Coordinator	
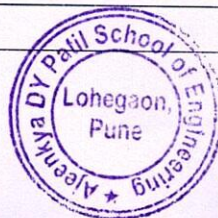
Principal
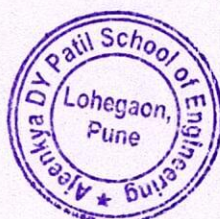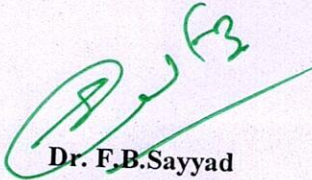Ajeenkya DY Patil School of
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Criteria 1 – Curricular Aspects
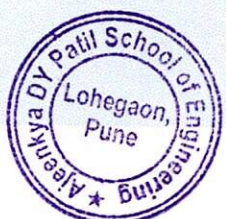
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Criteria I: Curricular Aspects

Objective of Criteria:

- Criterion I pertains to the practices of an institution in initiating a wide range of program options and courses that are in tune with the emerging national and global trends and relevant to the local needs.

Focus Area: Key Indicators

1.1 Curriculum Planning and Implementation
1.2 Academic Flexibility

1.3 Curriculum Enrichment
1.4 Feedback System

QLM (5)

1.1 Curriculum Planning and Implementation
Each college operationalize the curriculum within the overall frame work provided by the respective universities, in one's own way depending on its resource potential, institutional goals and concern and so on.

Document List:

Sr. No.	Name of the Document	Page No.
1.	SPPU academic calendar	1
2.	Institute academic calendar	2-5
3.	Departmental academic calendar	6-9
4.	Subject Choice for faculty	10
5.	Load Distribution	11-12
6.	Course File	13-18
6.1.	Syllabus with Course Objectives	19-25
6.2.	Master Time Table	26-30
6.3.	Individual Time Table	31-33
6.4.	Teaching & Practical Plan	34-53
6.5.	Subject Notes Details	54-56
6.6.	Best Practices	57-103
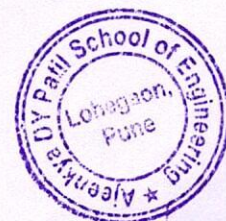
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6.8.	Additional Topic Covered		104
6.9.	University Question Paper and Model Answer Sheet		105-110
6.10.	Question Bank		111-146
6.11.	Assignment/Tutorial		147-152
6.12.	Attendance Record		153-156
6.13.	Continuous Assessment Record		157-163
6.14.	Unit Test: Question Paper, Attendance Record & Result		164-181
6.15.	Subject Result		182-184
6.16.	Lab Manual		185-221
6.17.	CO PO Mapping & Attainment		222-245
6.18.	Faculty Feedback		246-248
7.	Academic Monitoring Report		249
8.	Industrial visit Report		250-260
9.	Seminar/Guest Lecture Report		261-274
10.	Result Analysis		275-280

QnM(4)

1.2 Academic Flexibility

Academic flexibility refers to the freedom in the use of the time-frame of the courses, horizontal mobility, inter-disciplinary options and others facilitated by curricular transactions.

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years)

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs and also completed online MOOC programs like SWAYAM, NPTEL etc.as against the total number of students during the last five years

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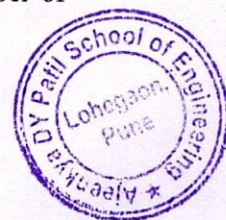
Five Years Data Table

Year	2022-23	2021-22	2020-21	2019-20	2018-19
Number of Courses	45	39	43	40	03
Number of Students Enrolled	1505	401	464	371	307

Metric	Percentage/Number As per Formula	Benchmark Achieved Range	Projected Score for the Year
1.2.1	170	>=25	4
1.2.2	35%	35%-50%	3

List of supporting documents of A.Y. 2022-23

Sr. No.	Title	Page. No.
1.	Add on Course on "Python"	1-24
2.	Add on Course on "German Language"	25-47
3.	Add on Course on "Japanese Language"	48-78
4.	Add on Course on "3D metrology & Reverse Engineering"	79-94
5.	Advanced fluid mechanics	95-124
6.	Add on Course on "study and field practice on standard penetration test"	125-144
7.	Add on Course on "Recent Trends in IT Industry"	145-189
8.	Add on Course on "Aspects of Team Building & Communication Skills"	190-219
9.	MOOC programs	220...

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List of supporting documents of A.Y. 2021-22

Sr. No.	Title	Page. No.
1.	Professional Course on CNC Programming	1-20
2.	Basics and advanced in Etabs V 2019 software	21-41
3.	MOOC programs	42-43
4.	Practical Approach for Object-Oriented Programming	44-62

List of supporting documents of A.Y. 2020-21

Sr. No.	Title	Page. No.
1.	Add on/Certificate Program on Analytics and Data Science	1-44
2.	Add on/Certificate on German Language	45-69
3.	Hands on Python Workshop with Applications and Cloud Development	70-95
4.	MOOC programs	96…

List of supporting documents of A.Y. 2019-20

Sr. No.	Title	Page. No.
1.	Add on Course on Campus To Connect	1-17
2.	Employability Skill Development by Inspiring Indeed InfoTech	18-32
3.	Add on Course on 3D Printing	33-48
4.	MOOC programs	49…

List of supporting documents of A.Y. 2018-19

Sr. No.	Title	Page. No.
1.	AutoCAD Hands on Training	1-14
2.	Add on Course on "German Language-I"	15-31
3.	Add on Course on "German Language-II"	32- 49

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QLM(5)

1.3 Curriculum Enrichment

Holistic development of students is the main purpose of curriculum. While this is attempted through prescribing dynamic and updated curricular inputs such as cross-cutting issues relevant to the current pressing concerns both nationally and internationally. Institute need to provide a wide range of such "value-added" courses for students to choose from according to their interests and inclinations.

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

The following courses from the curriculum are addressing the cross-cutting issues from different programs.

I.   Professional Ethics
II. Gender
III. Human Values
IV. Environment and Sustainability

Document List:

| Sr. No.	Program	Name of the Course	Course No.
1.	TE Computer (2019 Pattern)	Professional Ethics and Etiquettes	310250 (B)
		Sustainable Energy Systems	310259(B)
		Leadership and Personality Development	310259(C)
2.	TE E&TC (2019 Pattern)	Developing Soft Skills and Personality	304191(A)
		Entrepreneurship and IP Strategy	304191(A)
		Urbanization and Environment	304191(A)
		Environmental and Resource Economics	304191(A)
		Environment and Development	304191(A)
		Globalization and Culture	304191(A)
		Patent Law for Engineers and Scientists	304191(B)
		English Language for Competitive Exams	304191(B)
		Energy Resources, Economics and Environment	304191(B)
		Principles of Human Resource Management	304191(B)
		Six Sigma	304191(B)
		Non- Conventional Energy Resources	304191(B)
3.	TE MECH (2019 Pattern)	Entrepreneurship and IP Strategy	302048
		Engineering Economics	302048
		Management of Inventory Systems	302048
		Business and Sustainable Development	302056
		Management Information System	302056
		International Business	302056

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4.	TE AIDS (2019 Pattern)	Emotional Intelligence	317528(A)
		Industrial Safety And Environment Consciousness	317528(B)
		Foreign Language	317528(D)
		Digital and Social Media Marketing	317537(A)
		Sustainable Energy Systems	317537(B)
		Leadership and Personality Development	317537(C)
5.	TE Civil (2019 Pattern)	Professional Ethics and Etiquettes/ Sustainable Energy Systems	301011
		Leadership and Personality Development/ Industrial Safet	301021
6.	SE Civil (2019 Pattern)	Awareness to civil Engineering Practices / Road Safety Management / Foreign Language	201007
		Disaster Management	201018
7.	SE Computer (2019 Pattern)	Green Construction and Design	AC3-I
		Social Awareness and Governance Program	AC3-II
		Environmental Studies	AC3-III
		Smart Cities	AC3-IV
		Foreign Languages	Japanese 1
		Water Management	AC4-I
		IPR and Patents	AC4-II
		Science of Happiness	AC4-III
		Stress Relief: Yoga and Mediation	AC4-IV
		Foreign Language	Japanese 2
8.	SE E&TC (2019 Pattern)	Technical English for Engineers	204190
		Ecology and Environment	204190
		Ecology and Society	204190
		German I	204190
		Science, Technology and Society	204190
		Introduction to Japanese Language and Culture	204190
		Employability Skills Development	204199
9.	SE MECH (2019 Pattern)	Technical English for Engineers	202046
		Entrepreneurship Development	202046
		Developing soft skills and personality	202046
		Design Thinking	202046
		Foreign Language (preferably German/ Japanese)	202046
		Science, Technology and Society	202046
		Language, & Mind Emotional Intelligence	202053
		Advanced Foreign Language (preferably German/ Japanese)	202053
		Human Behavior	202053
		Speaking Effectively	202053
		Business Ethics	202053
		Technical / Research Writing	202053
	SE	Green Construction and Design	217527 I

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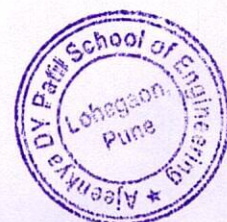
10.	AIDS (2020 Pattern)	Social Awareness and Governance Program	217527 II
		Environmental Studies	217527 III
		Smart Cities	217527 IV
		Foreign Language	217527 V
		Water Management	217535 I
		IPR and Patents	217535 II
		Science of Happiness	217535 III
		Stress Relief: Yoga and Mediation	217535 IV
		Business Communication skills	217525
		Humanity and Social Science	217526
		Code of Conduct	217534
11.	FIRST YEAR ENGG.	Environmental Studies I	101007
		Environmental Studies II	101014
		Physical Education- Exercise and Field Activities	107015

The following Activities Organized by institute are addressing the cross-cutting issues from different programs.

I. Professional Ethics
II. Gender
III. Human Values
IV. Environment and Sustainability

Document List:

SR. NO.	NAME OF THE EVENT
1.	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani River
2.	Cleanliness activity Charoligaon
3.	Utopia Society Aerator Installation
4.	Cleaning Awareness Program
5.	Health Awareness Program
6.	Indira Gandhi Jayanti And Yoga Training
7.	Saksham Yuva Samarth Bharat
8.	Shiv Swarajjya Din
9.	World Environmental Day

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10.	Maximum Female Candidate Recruited on Single Day
11.	National Voters Day
12.	Shiv Jayanti Celebration
13.	Tree Plantation by NSS Unit
14.	Women's Equality Day
15.	Gender Equity in Health & Nutrition
16.	Mental Health and Happiness
17.	Self-defense for Women
18.	Cyber Security
19.	Rights and responsibilities of Citizens
20.	Women rights and Laws for teaching and non-teaching Staff
21.	Awareness "Right to Information (RTI) Act".
22.	Guest lecture on communication skills
23.	7th Yoga Day
24.	National Girl Child Day
25.	Dandiya Evening

QnM(4)

1.3.2 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year)

Policies Supporting the Criteria:

Internship Policy

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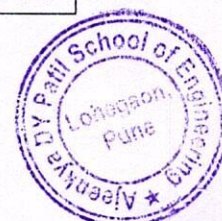Ajeenkya DY Patil School of
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Data for Academic Year 2022-23:

	Total	Percentage as per Formula	Benchmark Achieved Range	Projected Score for the year
Total No. of Students undertaken the Project work/Field work/ Internship	2039	91.93%	>=35%	4
Total No. of students in Current Academic Year	2218			

List of supporting documents of A.Y. 2022-23

Sr. No.	Program Name	Program Code	project work/field work/internship	Total Students	Pg. No.
10.	First Year Engineering (Common)	-	Project Based Learning	688	1-10
11.	Computer Engineering	673224510	Project Work	191	11-15
12.			Internship	150	16-58
13.			Project Based Learning	153	59-62
14.	Electronics and Telecommunication Engineering	673237210	Project Work	52	63-64
15.			Internship	68	65-130
16.			Project Based Learning	130	131-135
17.	Artificial Intelligence & Data Science	673299510	Internship	75	136-215
18.			Project Based Learning	150	216-220
19.	Mechanical	673261210	Project Work	145	221-226
20.			Internship	48	227-275
21.	Civil	673219110	Project Work	53	276-278
22.			Internship	68	279-346
23.			Project Based Learning	67	347-349

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QnM(4)

1.4 Feedback System

The process of revision and redesign of curricula is based on recent developments and feedback from the stakeholders. The feedback system in place will have an active process of not only collecting feedback from all stakeholders, but also analyzing it and identifying and drawing pertinent pointers to enhance the learning effectiveness.

Document List:

Five Years Data Table

Sr. No.	Feedback Details	Academic Year	Page No.
1	Academic Performance & Institute Ambience, Alumni, Teacher, Student, Employer Feedback, Analysis and Action Taken Report	2022-23	1-189
2	Alumni, Teacher, Student, Employer Feedback, Analysis and Action Taken Report	2021-22	190-354
3	Alumni, Teacher, Student, Employer Feedback, Analysis and Action Taken Report	2020-21	355-412
4	Alumni, Teacher, Student, Employer Feedback, Analysis and Action Taken Report	2019-20	413-514
5	Alumni, Teacher, Student, Employer Feedback, Analysis and Action Taken Report	2018-19	515-627

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Criteria 2- Teaching- Learning and Evaluation
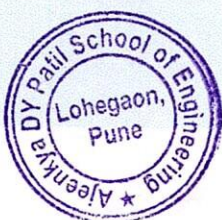

AJEENKYA
DY Patil School of Engineering
Affiliated to Savitribai Phule Pune University, Pune and Approved by AICTE.

Dr. D. Y. Patil Knowledge City
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Pune -412 105
Maharashtra, India.
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Criteria II: Teaching-Learning and Evaluation.

Objective of Criteria: Criterion II pertains to the efforts of an institution to serve students of different backgrounds and abilities, through effective teaching-learning experiences.

Focus Area:

2.1 Student Enrolment and Profile

2.2 Student Teacher Ratio

2.3 Teaching Learning Process

2.4 Teacher Profile and Quality

2.5 Evaluation Process and Reforms

2.6 Student Performance and Learning Outcomes

2.7 Student Satisfaction Survey

QnM(1)

Metric No & Title:2.1.1 Enrolment percentage

2.1.1.1. Number of students admitted year wise during last five years

2.1.1.2. Number of sanctioned seats year wise during last five years
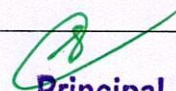
Metric No.	Description	2018-19	2019-20	2020-21	2021-22	2022-23	Total
2.1.1	Enrolment percentage 2.1.1.1.	372	264	286	408	735	2065
	2.1.1.2.	492	492	492	492	972	2940

Percentage as per formula	Benchmark achieved range	Expected Score
70.24	60%-80%	3

Document List:

1. Data Template
2. AICTE Letter
3. ARA List (Admission Regulatory Authority)
4. SPPU University letter
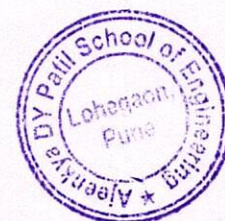
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QnM(2)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, etc.as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Metric No.	Description	2018-19	2019-20	2020-21	2021-22	2022-23	Total
2.1.2	2.1.2.1 - Number of actual admitted from reserved categories	136	117	121	173	349	896
	2.1.2.2 - Number of seats earmarked for reserved category as GOI / State Govt rules	239	239	215	215	386	1294

Percentage as per formula	Benchmark achieved range	Expected Score
69.24	60%-80%	3

Document List:

1. Data Template
2. Seat Matrix

QnM(3)

2.2.1 Student – Full time Teacher Ratio

(Data for the latest completed academic year) Formula: Students: Full time teacher

Metric No.	Description	2022-23	Total
2.2.1	Student full time teacher ratio	119	119

Percentage as per formula	Benchmark achieved range	Expected Score
12.65 18.63	<20:1	4

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QlM(1)

Metric No & Title: 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Policy:

1. Teaching-Learning Policy
2. Academic Process Manual
3. Best Practice-I & Best Practice-II Formats

Document List:

1. Industrial and Field Visits
2. PBL Project Based Learning
3. Mini Project Data: TE
4. BE and ME Project Data
5. UG/PG Seminar
6. Seminar by the student for the student
7. Quiz/ Group Discussion/ Team Building Activity
8. Student Association Activities
9. Course wise Best Practice

QnM(4)

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years number of sanctioned posts.

Metric No.	Description	2018-19	2019-20	2020-21	2021-22	2022-23	Total
2.4.1	Number of sanctioned posts	96	96	94	94	119	499
	Number of full time teachers	74	82	94	95	119	464

Percentage as per formula	Benchmark achieved range	Expected Score
92.99	>=75%	4

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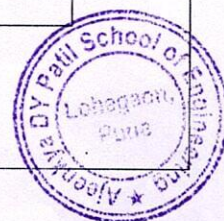
Document List:

1. Data Template
2. Appointment Orders

QnM(5)

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. /D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Metric No.	Description	2018-19	2019-20	2020-21	2021-22	2022-23	Total
2.4.2.1.	Number of full time teacher's with PhD	22	20	19	20	19	100

Percentage as per formula	Benchmark achieved range	Expected Score
21.55	<30%	0

Document List:

1. Data Template

2. PhD Certificates

QlM(2)

2.5.1 Mechanism of internal/ external assessment is transparent and the

grievance redressal system is time- bound and efficient

Policy:

1. Mechanism for Internal Assessment
2. Mechanism to Deal with Grievances Related to Internal Examinations

Document List:

1. External Examination Documents
2. Internal Exam Process and Assessment
3. Continous assessment of Practicals and Termwork
4. Griveance

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QIM(3)

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on Website.

2.6.2 Attainment of POs and COs are evaluated.

Policy:

1. CO-PO-PSO Mapping Manual

Document List:

CO PO Mapping sheets UG & PG

CO PO Attainment Sheet UG & PG

Summary sheet of CO PO Attainment

Website screenshot of CO PO Displayed

QnM(6)

2.6.3 Pass percentage of Students during last five years

2.6.3.1. Number of final year students who passed the university examination year wise during the last five years

2.6.3.2. Number of final year students who appeared for the university examination year wise during the last five years

Metric No.	Description	2018-19	2019-20	2020-21	2021-22	2022-23	Total
2.6.3.	2.6.3.1. Number of final year students who passed the university examination year	376	441	505	471	325	2118
	2.6.3.2. Number of final year students who appeared	418	442	516	479	485	2340

Percentage as per formula	Benchmark achieved range	Expected Score
90.51	>=90%	4

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Document List:

1. Data Template

2. Result Ledger

QnM(6)

2.7.1 Online student satisfaction survey regarding to teaching learning process.

Document List:

1. Survey Questionnaire & Google Form
2. Survey Analysis
3. Meeting & Action Taken Reports

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Criteria 3- Research, Innovations and Extension

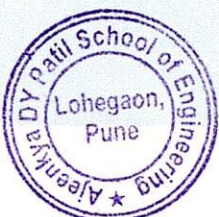"Empowerment through quality technical education"

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Criterion III: - Research, Innovations and Extension (110)

Objective of Criteria:

This Criterion seeks information on the policies, practices and outcomes of the institution, with reference to research, innovations and extension.

It mainly deals with the facilities provided by the institution to promote a research culture, research projects. Another major aspect of this Criterion is serving the community through extension, which is a social responsibility of institutions.

Key Indicators

- Resource Mobilization for Research.
- Innovation Ecosystem.
- Research Publications and Awards.
- Extension Activities.
- Collaboration.

3.1- Resource Mobilization for Research

3.1.1-Grants received from Government and non-governmental agencies for research projects /endowments in the institution during the last five years.

QnM – (10)

Policies supporting the metric:

R&D Policy.
R&D Incentive Policy.
R&D Plagiarism Policy.

Five Years Data Table-

2018-19	2019-20	2020-21	2021-22	2022-23	Total
-	2.37	-	43.8	14.41	58.54

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Percentage as per formula	Benchmark achieved range	Projected score for NAAC
58.54	>=15	4

Document List-

Sr. No.	Academic Year	Name of the research project/ endowment	Amount Sanctioned in INR in Lakhs	Name of the Funding Agency	Page No.
1	2022-23	Strategic planning for water resources and implementation of novel biotechnical treatment solutions and good practices (SPRING)	12.41	DBT, India	1
2	2020-21	Strategic planning for water resources and implementation of novel biotechnical treatment solutions and good practices (SPRING)	43.7631	DBT, India	2-5
3	2019-20	Projects sponsored by the University	2.375	Savitribai phule Pune university SPPU ASPIRE (Board of colleges and university department BCUD)	6-16

3.2-Innovation Ecosystem

3.2.1-Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation center and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident.

QIM – (10)

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Policies supporting the metric:

R&D Incentive Policy.
Consultancy Policy.
Innovation Ecosystem Policy.

Document List-

Sr. No.	Activity	Proof	Page No.
1	Centre of Innovation, Incubation and Entrepreneurship (CIIE)	Policies & OFFICE ORDER	1
2	Entrepreneurship Development Cell (EDC)	Policies & OFFICE ORDER	2-14
3	Intellectual Property Rights Cell (IPR)	Policies & OFFICE ORDER	15-28
4	Research and Development (R&D) Infrastructure Facilities	Policies & OFFICE ORDER	29-46
5	Project Based Learning (PBL)	Respective event report	47-50
6	Tech-Junk an Technical Competetion	Respective event report	51-66
7	"Smart India Hackathon" National Level Innovation Competition	Respective event report	67-73
8	High-end systems, 3D printer	Product Specification, PO	74-79
9	Product development lab for experimentation, prototyping, and testing	Dr. Saniya going to prepere 03 project/product before NAAC team visit	In Process
10	Go-Kart Event Participation	Respective event report	80-87
11	Auto India Racing Championship (AIRC)	Respective event report	88-93
12	Team cyberian coder (Hackethon)	Respective event report	94-101
13	Kawach-2023	Respective event report	102-104
14	IPR and support in patents, copyrights	list of patents	105-109
15	EDC enables environment for start-ups through mentorship programs	Seminar/Workshop list (IPR/Enterprenuire)	110-112

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16	R & D cell is actively contributing to encourage the students and faculty	Seminar/Workshop list (RM)	113-115
17	Funded research projects funded	APSIRE, DBT,SPRING funding event	116-132
18	Alumni Entrepreneurs details	Student startup Details	133-140

3.2.2- Number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years.

QnM – (05)

Five Years Data Table-

2018-19	2019-20	2020-21	2021-22	2022-23	Total
9	1	4	12	25	51

Percentage as per formula	Benchmark achieved range	Projected score for NAAC
51	>=40	4

Document List-

| Academic Year 2022-23			
Sr. No.	Name of the workshop/ seminar/ conference	Dept.	
1	Seminar on "How to Choose a Domain for Research"	Comp	1-8
2	Seminar on "Vidyarthi Saksham Mission	Comp	9-18
3	Seminar on Introduction to Patent"	Comp	19-26
4	One-day seminar on "World. Innovation Day"	Comp	27-34
5	One-day seminar on "World Entrepreneur Day"	Comp	35-42

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6	"Smart India Hackathon" National Level Innovation Competition	Comp	43-48
7	"Project Innovation and Research Paper Writing Guidance"	Comp	49-57
8	One day workshop on "Steps to convert innovative ideas to patents."	Comp	58-63
9	Seminar on "Details on Copyrights"	E&TC	64-72
10	Seminar on "Key points on Patent Drafting"	E&TC	73-82
11	Seminar on "Trademark registration and its advantages"	E&TC	83-92
12	Workshop on "Journey of Innovative idea to Product Development"	E&TC	93-100
13	"A seminar on Entrepreneurship by 3D Geometry Innovations LLP"	E&TC	101-110
14	Webinar on "Details on Filling of Design, Patent and Copyright"	Civil	111-122
15	Guest lecture on "Roadmap for Patent creation"	Civil	123-137
16	Webinar on "Innovative Techniques in Civil Engineering"	Civil	138-146
17	Seminar on "Start to end process of Patent Filing"	FE	147-155
18	One Day seminar on "Effective ways of paper writing and publications in UGC/WOS/Scopus peer review index Journals"	FE	156-163
19	Seminar on "Multidisciplinary Research & Research Methodology"	FE	164-170
20	Seminar on "Project Based Learning: Creating a modern education of Curiosity, Innovation & Impact.	FE	171-179
21	Seminar on Project based learning: Conversion of Innovative Ideas into prototype	FE	180-191

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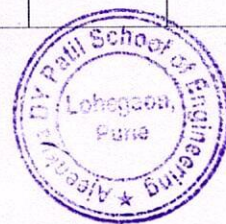
| 22	Seminar on "Entrepreneurship and Skill Development"	AIDS	192-199
23	Workshop on "Innovative Idea Generation"	AIDS	200-205
24	One day Workshop on Innovative Idea Generation	Mech.	206-212
25	One day Seminar on "Patent is for Everyone"	Mech.	213-220

Academic Year 2021-22

1	One day Seminar on "Research Paper Writing and Publication"	F.E	1-7
2	National level Webinar on "Research Paper Writing and Publication"	F.E	8-13
3	Webinar on "How to Become an Entrepreneur"	Comp	14-19
4	Guest lecture on "Research Methodology: from innovation to Implementation"	Comp	20-24
5	Research Opportunity and Innovation in Civil Engineering Field	Civil	25-33
6	National Level Webinar on IPR	F.E	34-43
7	Webinar on "opportunity of Higher Education and Research abroad"	Civil	44-52
8	One day seminar on Funding opportunity and International Joint Research Proposal Writing	F.E	53-59
9	One day seminar on Research methodology and Case study on Photovoltaic Nanotechnology Research Proposal	F.E	60-70
10	One day seminar on "Turning your Research Ideas into Research proposal worth Funding"	F.E	71-80
11	One day seminar on "Research Publication, Ethics, Plagiarism and Impact Factor"	F.E	81-96

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12	Seminar on entrepreneurship development	E&TC	97-101

Academic Year 2020-21

1	FDP on "Journey to Research & Beyond"	Civil	1-13
2	Webinar on "Start-up and Entrepreneurship"	E&TC	14-17
3	Webinar on "My first step in Start-up"	Mech	18-19
4	Webinar on Tech-Buzz of IOT and start-up Business	Comp	20-27

Academic Year 2019-20

1	Seminar on "Career Guidance for Research Project Development"	Comp	1-6

Academic Year 2018-19

1	Seminar on "How to Receive Patent"	Civil	1-6
2	Seminar on "How to generate Patentable/Innovative Ideas to address the common man's problems."	Comp	7-9
3	Seminar on "Idea Generation Session for ENTC"	E&TC	10-12
4	IPR Cell Interaction Session on" How to Generate Idea"	Mech	13-16
5	Seminar on "IPR and Idea Generation"	Mech	17-27
6	Entrepreneurship training on "3 D Printing and Technology with Application in Industry"	Mech	28-37
7	Industry institute interaction week for students to nurture their Entrepreneurship Skill	E&TC	38-46
8	Workshop on "Technology Enterpreneurship Adocacy and Managemnet of Business Icubation Center"	E&TC	47-53
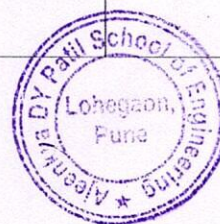
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9	Seminar on "Courses and Opportunity" offered by Cranfield University,UK in Research and Innovation"	CIVIL	54-63

3.3- Research Publication and Awards

3.3.1- Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years.

QnM – (10)

Policies supporting the metric

R&D Incentive Policy.

Five Years Data Table-

2018-19	2019-20	2020-21	2021-22	2022-23	Total
90	56	89	164	62	461

Percentage as per formula	Benchmark achieved range	Projected score for NAAC
3.34	3-5	2

Document List-

1. Excel Sheet
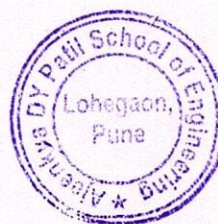
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3.3.2- Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years.

QnM – (15)

Five Years Data Table-

2018-19	2019-20	2020-21	2021-22	2022-23	Total
7	4	63	77	858	1029

Percentage as per formula	Benchmark achieved range	Projected score for NAAC
7.45	5-10	3

Document List-

1. Excel Sheet.
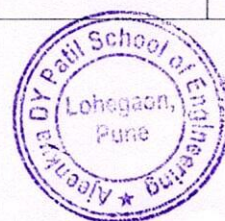
3.4- Extension Activities

3.4.1- Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

QlM – (15)

Document List-

| Sr. No.	Activity	Page No.
1	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani	1-6
2	Cleaning Awareness Program at Koyali Smashan Bhumi	7-8
3	Conduction of Covid Awarness programme and distribution of safety kit (mask, sanitizer etc.)	9-14
4	Medical Camp at Naigaon	15-76
5	NSS organizes a residential 7-day special camp	77-80

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6	Rally for Water Conservation Awareness	81-85
7	Cultural activity at Aapulki old age home near Alandi, Pune	86-91
8	Distribution of Stationary and Shoes to Z.P. School Students	92-97
9	NSS Unit Cleanliness Rally & Street Play	98-102
10	NSS Unit Rally on the topic of Education Awareness Rally	103-108
11	Tree Plantation by NSS Unit	109-112
12	Blood Donation Camp	113-117
13	Traflie Management at Porvwal road and Dhanori Jakat Naka	118-122
14	Garbage segregation awareness program	123-130
15	Utopia Society Aerator Installation and disposal of plastic and E-waste activities by Environmental Club.	131-138
16	Selfi With Tiranga Celibration of Azadi Ka Amrit Mahotsav	139-140
17	Visit to ZP School, Harantale	141-154
18	Cyclothon	155-158
19	Health Awareness Program	159-161
20	Awareness program on alcohol and Drug de-addiction	162-164
21	Institute also celebrated Har Ghar Tiranga to inculcate patriotism in the community.	165-169
22	World AIDS Day	170-172
23	"Eco friendly Ganeshotsav" Theme - Go Green	173-175
24	Visit and providing financial support to zilla parishad primary school Harantale	176-180
25	World Anti tobacco Day	181-182
26	World Environmental Day Celibration	183-189
27	Students as Teachers Activity	190-192
28	Physical Activities with Snehwan children	193-195
29	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani River	196-204
30	NCC cadets also welcomed participants of mega cycling expedition named as Mahaparikrama which was organized to celebrate Azadi Ka Amrit Mahotsava	205-210
31	Awareness rallies (skit) activity under Puneet Sagar Abhiyan at Indrayani River, Alandi	211-215
32	Swachhta Campaign at Khandoba Hil, Lohegaon	216-218
33	Shiv Swarajjya Din	218-219
34	Swachha Bharat Abhiyan (Alandi,Wari), Additionally, our students volunteered for the Swaccha Wari, Swasth Wari, Nirmal Wari, and Harit Wari, organized by Savitribai Phule Pune University, NSS (Ghule).	220-223
35	Cyber security and Fraud Transactions Awareness	223-225

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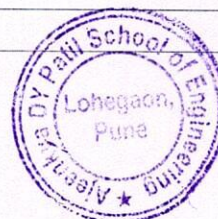
36	Every year Birth Anniversaries of great people are celebrated as per the guidelines.	--
37	Cultural activity at Aapulki old age home	226-227
38	Biodiversity Club activities like Tree Plantation, Vegetable seed sowing and water pots for birds, Belt and chain distribution for Stray dogs within the campus.	228-240
39	Utsaah club conducted outreach activities like visits to orphanages and old age homes	241-245
40	Peace Pulao	246-248

3.4.2-Awards and recognitions received for extension activities from government / government recognised bodies.

QIM – (05)

Document List-

Sr. No.	Activity	Page No.
1	Book of Records by forming the longest-moving Bicycle line to spread awareness about health and environmental issues	1
2	Gram Panchayat of Dehu Gao	2
3	Garbaje Sepration awarness program	3
4	Healmate awareness rally appriciation letter	4
5	Hill Cleaning Drive	5
6	Mr Raghvendra Singh Rathore represented his NCC directorate at the annual NCC Republic Day Camp held at New Delhi	6-7
7	Blood donation certificate (OM blood bank and Sasson)	8-12
8	India Book of Records for preparing the maximum quantity of Pulao to spread the message of peace and goodwill	13
9	Prof. Aniket Nemade, from Civil Engineering, had undergone CTO training	14-28
10	Snehwan activity appreciation from local school letter	29
11	Snehwan appreciated the efforts of NSS for conducting various social activities	30
12	ZP School letter for electricity bill payment	31
13	Rasio Sanman Puraskar to Prof. Dilip Ghule	32-33

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3.4.3- Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

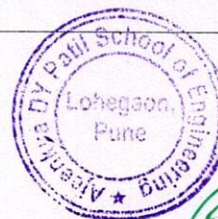<div align="right">QnM – (20)</div>

Five Years Data Table-

2018-19	2019-20	2020-21	2021-22	2022-23	Total
10	05	01	08	40	64

Percentage as per formula	Benchmark achieved range	Projected score for NAAC
64	>=40	4

Document List-

Academic Year AY 2022-23

Sr. No.	Title	Page No.
1	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani River	1-8
2	Cultural activity at Aapulki old age home near Alandi, Pune	9-12
3	Welcoming cadets of Mega Cycling Expedition named Mahaparikrama	13-17
4	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani River, Alandi	18-23
5	Awareness rallies (skit) activity under Puneet Sagar Abhiyan at Indrayani River, Alandi	24-27
6	Swachhta Campaign at Khandoba Hil, Lohegaon	28-32
7	Traflie Management at Porvwal road and Dhanori Jakat Naka	33-36
8	Cleanliness activity Charoli gaon	37-42
9	Cleanliness Activity Hill	43-49
10	Cleanliness Visapur Fort	50-54
11	Utopia Society Aerator Installation	55-61
12	"Selfi With Tiranga" Celibration of "Azadi Ka Amrit Mahotsav"	62-70
13	"Lekh/Story Writing: The Contribution of Freedom Fighters and Martyrs Of Your District Of "Azadi Ka Amrit Mahotsav"	71-88

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3.5 – Collaboration (20)

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

QnM – (20)

Five Years Data Table-

2018-19	2019-20	2020-21	2021-22	2022-23	Total
04	01	00	01	26	32

Percentage as per formula	Benchmark achieved range	Projected score for NAAC
32	>=20	4

Document List-

1. Excel Sheet.
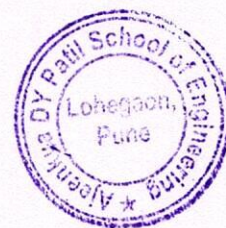
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Criteria 4 - Infrastructure and Learning Resources

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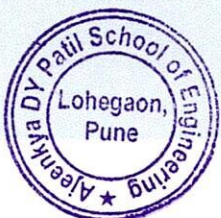
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Criterion IV: - Infrastructure and Learning Resources

Objective of Criteria: -

The adequacy and optimal use of the facilities available to maintain the quality of academic and other programmes on the campus. Expansion of facilities to meet future development.

The focus of Criterion is captured in the following Key Indicators:

KEY INDICATORS

4.1 Physical Facilities

4.2 Library as a Learning Resource

4.3 IT Infrastructure

4.4 Maintenance of Campus Infrastructure

QLM

4.1.1. The Institution has adequate infrastructure and other facilities for a. teaching – learning, viz., classrooms, laboratories, computing equipment etc b. ICT – enabled facilities such as smart class, LMS etc. Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc

Weightage: 20 M

Policies Supporting the Matrics:- Infrastructure policy

Supporting documents

Sr. No.	Documents
1	Geottaged Photo of class room, lab,seminar hall and auditorium.
2	Geotagged photo of sport facility and cultural activities
3	ICT facilities
4	Gymnasium
5	Yoga centre
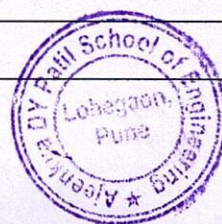
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4.1.2 Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years 4.1.2.1: Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs) QNM

Weightage: 10 M

2022-2023		
Head of expenditure (for ex. capital expenditure)	Item of expenditure (for ex. construction of building, purchase of new equipments, furniture and fixtures etc.)	Amount (INR in Lakhs)
Augmentation	Computer	42.64116
	Office Equipment	39.37896
	Sport Equipment	31.52214
	Laboratory Equipment	12.93322
	Library Books	3.47048
	Electrical Fitting	7.12512
	Furniture and Fixtures	36.52818
	Total	**17.359926**

2021-2022		
Head of expenditure (for ex. capital expenditure)	Item of expenditure (for ex. construction of building, purchase of new equipments, furniture and fixtures etc.)	Amount (INR in Lakhs)
Augmentation	Computer	12.41987
	Office Equipment	1.55000
	Software and software licence	16.03997
	Total	**30.00984**

2020-2021		
Head of expenditure (for ex. capital expenditure)	Item of expenditure (for ex. construction of building, purchase of new equipments, furniture and fixtures etc.)	Amount (INR in Lakhs)
Augmentation	Computer	0.86161
	Software expenses	12.96931
	Office Equipment	0.12736
	Total	**13.95828**

2019-2020
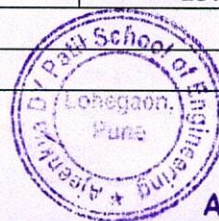
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Head of expenditure (for ex. capital expenditure)	Item of expenditure (for ex. construction of building, purchase of new equipments, furniture and fixtures etc.)	Amount (INR in Lakhs)
Augmentation	AMC Charges ERP Software	14.31201
	Furniture and Fixture	11.00000
	Laboratory/Workshop Equipment	0.35931
	Office Equipment	0.357129
	Sport Equipments	0.53954
Total		**29.78215**

2018-2019		
Head of expenditure (for ex. capital expenditure)	Item of expenditure (for ex. construction of building, purchase of new equipments, furniture and fixtures etc.)	Amount (INR in Lakhs)
Augmentation	Sport Equipments	2.34000
	Office Equipment	0.09440
	Computer	0.36000
	Electric Fitting	0.73986
	Software Expenses	15.16343
Total		**18.69769**

Percentage as per formula	Benchmark achieved range	Expected Score
13.65	10%-25%	3

4.2.1. Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students QLM

Weightage: 20 M

Policies Supporting the Matric: - Library Policy

Supporting documents

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Sr. No.	Documents
1	ILMS system
2	Details of membership
3	Remote access to e-resources
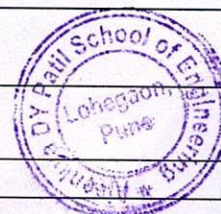
4	Library accession register
5	Usage of library

4.3.1. Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection QLM

Policies Supporting the Matric: - Purchased policy

Weightage: 20 M

Supporting documents

Sr. No.	Documents	Page Number
1	Bandwidth	2-5
2	Computing Facility for Students	6
3	Network Diagram	7
4	Wi-Fi, Switches, Access Point etc.	8-15
5	Server and Server Rack	16
6	ICT Class Room	17-19
7	CCTV Surveillance Facilities	20-24
8	Security System	25-30

4.3.2 Student – Computer ratio (Data for the latest completed academic year) QNM

4.3.2.1. Number of computers available for student's usage during the latest completed academic year:

Weightage: 10 M

Formula: Number of students: Number of Computers

2218 :570

Student – Computer ratio is 3.89

Students:Computer Ratio	Benchmark achieved range	Expected Score
3.89	<=5:1	4

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Engineering, Loh... ...ne

4.4.1. Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years QNM

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during last five years (INR in lakhs)

Weightage: 20 M

Policies Supporting the Matric: - Infrastructure Policy

Head of expenditure (for ex. Repair and maintenance)	Item of expenditure (for ex. AMC for Lab equipment and computers, garden maintenance etc.)	Amount (INR in Lakhs)
4.4.1 Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years
2022-2023
Maintenance Academic	Lab material and consumable	0.60191
	repair and maintenance	81.83857
	Seminar and conferences expenses	0.32239
	printing and Stationery xerox charges	28.00000
	Software license charges	0.79256
	students welfare expenses	2.29911
	Sport and prorata fees	0.25983
	Membership fees	0.33320
	Student industrial visit charges	1.21640
	Registration charges	0.05550
	Student Function Expenses	14.72370
	Student NCC charges	0.06750
	NSS activity charges	.22590
	Newspaper and periodical charges	.09443
	Parent Teacher meeting association expenses	0.01000
	Staff Welfare Expenditure	6.52025
Maintenance Physical	AMC charges for UPS	0.22774
	Housekeeping and maintenance expenses	25.00000
	Cleaning material expenses	0.84151
	Fire and Safety service expenses	0.39220

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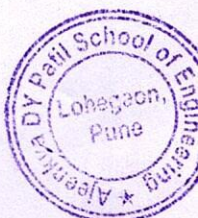
	Water Charges	4.60443
	Pest control expenses	4.67325
Total		**173.10038**

2021-2022		
Head of expenditure (for ex. Repair and maintenance)	**Item of expenditure (for ex. AMC for Lab equipment and computers, garden maintenance etc.)**	**Amount (INR in Lakhs)**
Maintenance Academic	laboratory expenses	0.14872
	stationery expenses	11.62591
	Membership and subscription charges	0.06371
	printing and Stationery	36.35708
	repair and maintenance of lab equipment	10.63222
	repair and maintenance of IT equipment and computer	37.43740
	Seminar and conferences	18.40960
	students and sports and educational activity	37.27260
	faculty and staff development charges	15.90470
	students welfare expenses	37.70700
	workshop uniform expenses	1.01600
	Registration and membership charges	0.96890
	Student Function and activity Exp	36.12150
	Students NSS activity charges	0.22590
	Library books	0.54595
	Staff Welfare Expenditure	1.33467
	Workshop expenses	1.33090
Maintenance Physical	AMC charges	0.08873
	repair and maintenance of building	29.82528
	electrical repair and maintenance	37.82091
	Furniture upkeep and maintenance charges	22.01585
	Housekeeping and maintenance expenses	30.91427
	Water Charges	0.60699
	garden expenditure	0.19847
Total		**368.57326**

2020-2021		

Head of expenditure (for ex. Repair and maintenance)	Item of expenditure (for ex. AMC for Lab equipment and computers, garden maintenance etc.)	Amount (INR in Lakhs)
Maintenance Academic	Membership and subscription charges	0.13000
	Journal and periodicals	0.31603
	printing and Stationery	3.26411
	Registration and membership charges	0.04500
	Sport and Educational activities	0.08784
	Student Function Expenditure	0.15000
	Staff Welfare Expenditure	.00272
	Workshop expenses	0.20800
	Guest lecture and Workshop expenses	0.52000
Maintenance Physical	AMC charges	1.71751
	Water Charges	0.23925
	Housekeeping and maintenance expenses	11.48899
	Repaired & Maintenance	13.88390
Total		**32.05335**

2019-2020		
Head of expenditure (for ex. Repair and maintenance)	Item of expenditure (for ex. AMC for Lab equipment and computers, garden maintenance etc.)	Amount (INR in Lakhs)
Maintenance Academic	Laboratory Expenses	0.98520
	Journal and periodicals	.42038
	Seminar and conference Expenditure	5.55555
	printing and Xerox & Stationery	32.87927
	Stationery Expenditure	11.3707
	Sport and Tournament Expenditure	0.36098
	Repair and maintenance of equipment	1.75190
	Repair and maintenance of Laboratory Equipment	26.66618
	Repair and maintenance computer	14.01100
	Students industrial Visit Charges	6.50000
	Students Cultural Events Expenditure	11.51314
	Student Function Expenditure	16.05948

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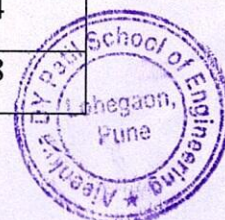|	Staff Welfare Expenditure	41.0713
	Students Welfare Expenditure	8.24799
	Library Books	.07122974
	Workshop charges	2.67457
	Students Tech Fest Expenses	7.29500
Maintenance Physical	AMC charges of computer And IT	2.25417
	Water Charges	0.341943
	Faculty and Guest Accommodation Charges	0.41040
	Cleaning And Housekeeping	36.48476
	Repair and Maintenance Furniture	24.01320
	Repaired & Maintenance Others	27.36334
Total		**234.82243**

2018-2019		
Head of expenditure (for ex. Repair and maintenance)	Item of expenditure (for ex. AMC for Lab equipment and computers, garden maintenance etc.)	Amount (INR in Lakhs)
Maintenance Academic	Examination Expenses	1.06374
	Laboratory Expenses	0.22926
	National Conference & Seminar Expenditure	3.83854
	Printing and Stationery	4.85320
	Registration & Membership Charges	0.14000
	internet Charges	2.45381
	Sports & Educational Activities	0.95067
	Staff Welfare Expenses	2.43142
	Students Function and Activity Expenditure	21.38200
Maintenance Physical	AMC Charges	3.12394
	Garden Expenses	0.28279
	Water Charges	4.13708
	Housekeeping and Maintenance Expenditure	29.28050
	Repairs and Maintenance	25.39359
Total		**99.56054**

Percentage as per formula	Benchmark achieved range	Expected Score
50.44	>=25%	4
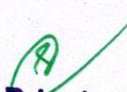
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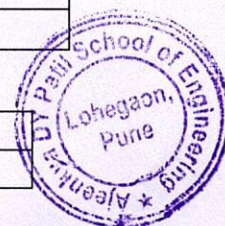
AS PER OLD DATA TEMPLATE

Year	Budget allocated for infrastructure augmentation (INR in Lakh)	Expenditure for infrastructure augmentation(INR in Lakh)	Expenditure on maintenace of academic facilities (excluding salary for human resources) (INR in Lakh)	Expenditure on maintenance of physical facilities (excluding salary for human resources) (INR in Lakh)	Total expenditure excluding Salary (INR in Lakh)	AUGMENTATION 4.1.2	MAINTENANCE 4.4.1
2018-19		18.6977	37.34264	62.2179	160.0644	11.6814	62.2003
2019-20		29.7822	140.87713	93.9453	347.3407	8.5743	67.6058
2020-21		13.9583	4.7237	27.32965	138.7378	10.0609	23.1035
2021-22		30.0099	247.10276	121.4705	550.8277	5.4481	66.9126
2022-23		173.5993	137.3612	35.7391	533.8644	32.5175	32.4240
					AVG PERCENTAGE	13.6564	50.4493

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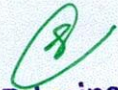
Criteria 5- Student Support and Progression

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DY Patil School of Engineering
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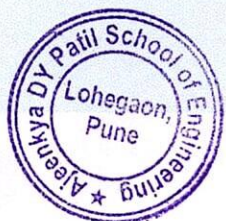
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Criteria 5: Student Support and Progression (140)

Objectives of Criteria: The objectives of the criteria are to provide necessary assistance to students, to enable them to acquire meaningful experiences for learning at the campus and to facilitate their holistic development and progression.

Focus Area: Key Indicators

5.1 Student Support (50)

5.2 Student Progression (35)

5.3 Student Participation and Activities (45)

5.4 Alumni Engagement (10)

QnM:

5.1.1 Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years (20)

Policies supporting the metric :

1. Non-Government Scholarship Policy

2. Institute Scholarship Policy for UG and PG Students

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.1.1	Scholarships & freeships	Number	1734	1386	1257	1115	1173	6663

Percentage as per formula	Benchmark achieved range	Expected score
75.68	>70 %	4

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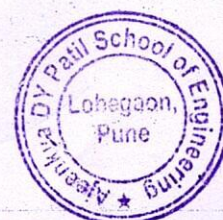
List of documents AY 2022-23

Name of the Scheme	Parameter	Number of students	Amount in Rs	Page No
Number of students benefited by government scheme and amount	Government of India Post-Matric Scholarship	157	5666190	1
	Post-Matric Tuition Fee and Examination Fee (Freeship)	80	7174414	10
	Post Matric Scholarship Scheme (Government Of India)	12	1097604	15
	Vocational Education Fee Reimbursement	3	275832	15
	Post Matric Scholarship to OBC Students	288	12100852	19
	Post Matric Scholarship to SBC Students	23	1832720	39
	Post Matric Scholarship to VJNT Students	136	11320727	27
	Tuition Fees and Examination Fees to OBC Students	134	5382318	40
	Tuition Fees and Examination Fees to SBC Students	14	1076064	18
	Tuition Fees and Examination Fees to VJNT Students	59	4584794	41
	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	564	20862410	54
	DrPunjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE)	167	2532000	87
	Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	2	50000	97

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Number of students benefited by the institution's / Non-Government schemes and amount	Scholarship from 'Dr. D Y Patil Educational Enterprises Charitable Trust	92	2760000	97
	Lila Poonawala Foundation UG Scholarship	3	140000	103

List of documents AY 2021-22

Name of the Scheme	Parameter	Number of students	Amount in Rs	Page No
Number of students benefited by government scheme and amount	Government of India Post-Matric Scholarship	129	1661180	1
	Post-Matric Tuition Fee and Examination Fee (Freeship)	69	6288523	7
	Post Matric Scholarship Scheme (Government Of India)	12	3633205	10
	Vocational Education Fee Reimbursement	1	3135969	11
	Post Matric Scholarship to OBC Students	226	7992778	23
	Post Matric Scholarship to SBC Students	11	3551806	16
	Post Matric Scholarship to VJNT Students	100	7266904	20
	Tuition Fees and Examination Fees to OBC Students	124	5572044	33
	Tuition Fees and Examination Fees to SBC Students	14	3660450	36
	Tuition Fees and Examination Fees to VJNT Students	55	5330489	13
	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	496	12415939	36

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	Dr Punjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE)	110	2200000	60
	Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	3	60000	65
Number of students benefited by the institution's / Non-Government schemes and amount	Scholarship from 'Dr. D Y Patil Educational Enterprises Charitable Trust	33	990000	66
	Lila Poonawala Foundation UG Scholarship	3	140000	67

List of documents AY 2020-21

Name of the Scheme	Parameter	Number of students	Amount in Rs	Page No
Number of students benefited by government scheme and amount	Government of India Post-Matric Scholarship	113	10130114	1
	Post-Matric Tuition Fee and Examination Fee (Freeship)	70	8226837	7
	Post Matric Scholarship Scheme (Government Of India)	9	5375256	11
	Tuition Fee & Exam Fee for Tribal Students (Freeship)	2	5032405	11
	Vocational Education Fee Reimbursement	1	5028247	11
	Post Matric Scholarship to OBC Students	217	9640762	11
	Post Matric Scholarship to SBC Students	9	5349334	16
	Post Matric Scholarship to VJNT Students	91	8277197	23
	Tuition Fees and Examination Fees to OBC Students	109	7145882	26
	Tuition Fees and Examination Fees to SBC Students	14	5556484	23
	Tuition Fees and Examination Fees to VJNT Students	51	7056075	34
	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti	412	12613725	37

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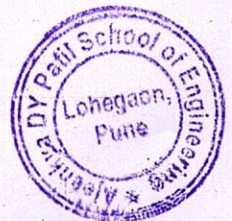
	Yojna(EBC)			
	DrPunjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE)	120	2400000	58
	Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	6	120000	64
Number of students benefited by the institution's / Non-Government schemes and amount	Scholarship from 'Dr. D Y Patil Educational Enterprises Charitable Trust	32	960000	65
	Lila Poonawala Foundation UG SCholaship	1	60000	66

List of documents AY 2019-20

Name of the Scheme	Parameter	Number of students	Amount in Rs	Page No
Number of students benefited by government scheme and amount	Government of India Post-Matric Scholarship	98	8721196	1
	Post-Matric Tuition Fee and Examination Fee (Freeship)	49	4369501	6
	Post Matric Scholarship Scheme (Government Of India)	6	500625	8
	Tuition Fee & Exam Fee for Tribal Students (Freeship)	2	158427	9
	Vocational Education Fee Reimbursement	1	39666	9
	Post Matric Scholarship to OBC Students	199	8048797	9
	Post Matric Scholarship to SBC Students	12	968178	15
	Post Matric Scholarship to VJNT Students	73	5846840	19
	Tuition Fees and Examination Fees to OBC Students	103	4080305	19
	Tuition Fees and Examination Fees to SBC Students	16	1301691	25

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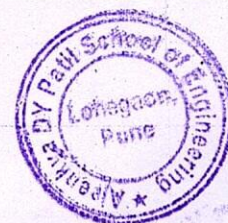|	Tuition Fees and Examination Fees to VJNT Students	42	3364554	27
	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	339	10534992	31
	DrPunjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE)	110	2530000	48
	Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	1	25000	54
Number of students benefited by the institution's / Non Government schemes and amount	Scholarship from 'Dr. D Y Patil Educational Enterprises Charitable Trust	64	3008000	55

List of documents AY 2018-19

Name of the Scheme	Parameter	Number of students	Amount in Rs	Page No
Number of students benefited by government scheme and amount	Government of India Post-Matric Scholarship	117	10088017	1
	Post-Matric Tuition Fee and Examination Fee (Freeship)	48	4050106	5
	Post Matric Scholarship Scheme (Government Of India)	4	328017	7
	Vocational Education Fee Reimbursement	1	79332	7
	Post Matric Scholarship to OBC Students	229	9300997	8
	Post Matric Scholarship to SBC Students	15	1217514	11
	Post Matric Scholarship to VJNT Students	84	6792010	17

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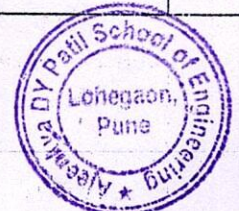|				
	Tuition Fees and Examination Fees to OBC Students	110	4112932	21
	Tuition Fees and Examination Fees to SBC Students	14	1048859	25
	Tuition Fees and Examination Fees to VJNT Students	41	3323274	26
	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	366	7962794	27
	Dr Punjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE)	88	2220000	42
	Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	4	100000	46
Number of students benefited by the institution's / Non Government schemes and amount	Scholarship from 'Dr. D Y Patil Educational Enterprises Charitable Trust	52	1976000	46

QnM:

5.1.2 Following capacity development and skills enhancement activities are organised for improving students' capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills) 4. Awareness of trends in technology (10)

Options:

A. All of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

E. None of the above
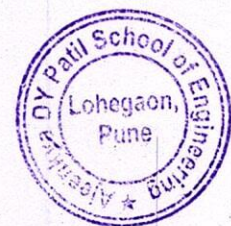
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Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.1.2	Capacity building	Number	24	25	14	18	13	94

Percentage as per formula	Benchmark achieved range	Expected score
(All of the above)	A	4

List of documents AY 2022-23

Name of the capacity development and skills enhancement program	Date of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details	Page No
Guest Lecture on Vantage Point focused on leadership ,effective communication and teams.	09/01/2022	77	Col. Abhay Mane	01
Webinar on Importance of Soft Skills	25/03/2023	70	Mr.Suraj Kulkarni	08
Seminar on Soft Skill Training for UG Students	11/08/2022	188	Mr.Mousami Nilakhe	13
Seminar on Soft Skill and Placement Talk	22/09/2022	87	Mr.Neel Jadhav	26
Seminar on Human Ethics and Soft Skill	22/09/2022	108	Mr.Prabhakar Gawde	35
Seminar on The Language Lab:A comprehensive Guide to Language Learning	19/05/2023	94	Mrs.Priti Umbardand	44
The Blue Print of Sucess for Engineers	02/09/2023	112	Mr.Raghavan Koli	55
Webinar on Women's Health and Hygiene	04/12/2023	75	Mrs. Namrata Bhingarde	64
Seminar on Mental Health and Happiness	11/09/2022	203	Dr.Nidhi Navander	69
Seminar on Yoga & Meditation	26/11/2022	209	Mr.G Venkateshwaran	83
Seminar on Internet of Things	09/06/2022	67	Mr.Arpit Singh	98
Seminar on Problem Solving Session on Pushdown Automata & Turing Machine	10/11/2022 to 11/11/2022	112	Dr.Rajesh Phursule	104

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Guest lecture on Computer Graphics	16/10/2022	64	Prof.Pranali Chavhan	116
Student developement Program on Cyber Security	07/09/2022 to 11/09/2022	158	Mr.Aswathy Mohan	122
Student developement Program on Cyber Security and Cloud Computing using AWS	26/09/2022 to 30/09/2022	172	Mr.Aswathy Mohan	131
Seminar on ICT Tools JIRA	16/03/2023	100	Mr.Sanket Gedam	143
Guest Lecture on Data Analytics & Machine Learning	18/08/2022	76	Mr.Pravin Mhaske	152
Seminar on Awareness of Microsoft Certification Mapped to AI & ML	17/03/2023	201	Mr.Manish	161
Guidance and Technical Session on E-Yantra Robotics Competition	08/04/2022	51	Dr.Sarange Shreepad	173
Seminar on Data Science, Analytics & Machine Learning	18/082022	85	Mr.Pravin Mhaske	178
Four Days Workshop on Python	23/08/2022 to 26/08/2022	30	Prof.Sheetal More	187
Guest Lecture on Data Visualization	24/04/2023	78	Mr.Anuj Musale	202
Expert Lecture on Information Security	14/03/2023	99	Dr.Satish Gujar	210
Guest Lecture on Biotechnology in Civil Engineering	08/05/2022	106	Dr.Shital Giri	216

List of documents AY 2021-22

Name of the capacity development and skills enhancement program	Date of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details	Page No
Guest Lecture on "Soft Skills and Technical Knowledge"	18/02/2022	60	Ms. Tanushree Das	01
Seminar on "Soft Skills & Placement Talk"	09/09/2021	60	Mr. Abhishek Bharti and Dattaprasad Suvarnkar	08
Webinar on importance of Soft Skill	1/05/2022	46	Miss.Ananya chattopadhyay	14

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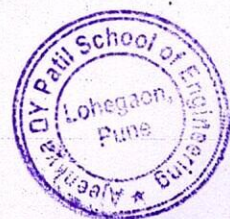
Seminar on The Language Lab:A comprehensive Guide to Language Learning	04/11/2022	72	Mrs.Priti Umbardand	19
Webinar on "Personality Development Program"	25/11/2021	103	Prof.Komal Jakotiya	28
Right to live for Everyone on Occasion of Zero discrimination day	02/03/2022	24	Group discussion	37
Yoga and meditation for health and well being	14/12/2021	37	Dr.Shobha Rupnar	42
Webinar on "Machine learning using Python	01/09/2021	313	Mr.Manish Singh,Technical Trainer ATS Learning Solution,Microsoft	56
Webinar on "Cyber Security Awareness Campaign"	26/09/2021	179	Mr.Rahul Gupta	68
Guest Lecture on AWS Cloud Hands on Activity	21/09/2021	117	Dr.Nitin More,Vijaywada	75
Webinar on Cyber Secure India AwarenessCampaign-2021	10/10/2021	180	Mr.Rahul Gupta	82
Guest Lecture on "Selenium Tool	11/10/2021 to 12/10/2021	142	Mr.Avinash Pingale	89
A Seminar on "ICT LMS"	25/10/2021	256	Prof.Nilesh Mali ,DYPSOE	97
Guest Lecture on "Software Testing tools Jmeter & Juni.	25/10/2021	142	Prof.Veena Lomte,RMD Singhagad	107
Guest Lecture on "Theory of Computation	28/10/2021	141	Prof.Shwetal Patil,MMIT	118
Guest Lecture on Data Analytics	15/11/2021	89	Mr.Suraj Kurde,Dr.D Y Patil SOE ,Akurdi	125
A Guest Lecture on Data Analytics	23.11.2021	140	Prof.Bhavana Khivsara,SNJB COE	132

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Guest Lecture on Computer Network and Security	03.12.2021	107	Prof.Swati Sinha,SNJB COE	144
Guest Lecture on Theory of Computation	10.12.2021	85	Prof.Anuradha Yenkikar,PICT	151
Guest Lecture on Discrete Mathematics	13.12.2021	186	Dr.Shabana Sayyad	158
Webinar on PCB Design & Layout	03.12.2021	48	Mrs.Aarti Zope (Software Trainer)	166
Webinar on Additive Manufacturing Technology	27.08.2021	74	Mr. Swarnim N Gupta	171
One day workshop on CATIA V5	14.10.2021	231	Mr.Arun Kumar,CAD-MARC software pvt Ltd Pune	176
Webinar on "Team Building for Go-Kart"	23.09.2021	69	Mr. Dhiraj Gaikwad	184
Seminar on Soft skills required for Engineering Student	15.12.2021	100	Prof.Awes Ansari	190

List of documents AY 2020-21

Name of the capacity development and skills enhancement program	Date of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details	Page No
Seminar on Development of Soft skills	05/01/2021	30	Mr. Neel Jadhav, Electromech Pvt. Ltd	01
Guest Lecture on Employability Skill Development	01/05/2021	47	Mr. Abhilash Sasane	05
Seminar on The Language Lab:A comprehensive Guide to Language Learning	19/04/2021	90	Mr.Ambalgi	11
Guest Lecture on Machine Learning	17/3/2021	27	Mr.Kaustubh Sakhare	21

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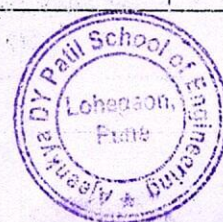Ajeenkya DY Patil School of
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Guest Lecture on Advance Processor	17/3/2021	22	Prof. Vaishali Gongane	28
Guest Lecture on Cyber Security	27/3/2021	25	Mr.Kundan Saraf	33
Workshop on Hands on Python Workshop with Applications & Cloud Deployment	23/02/2021 to -27/02/2021	66	Mr. Yogesh Murumkar	39
Webinar on Machine Learning Using Python	29/10/2020	100	ATS Learning Solutions	58
Webinar on Internships in Construction Project Management	31/10/2020	85	Mr. Pravin Mundhe.	65
Webinar on construction costing and budgeting	30/09/2020	35	Er. Akash Dalvi, Partner Bricklane.	71
Two days' workshop on Robotics	22/01/2021 to 23/01/2021	450	Pantec E-learning	77
Workshop:Yoga:Meditation for Stress free Living	04/03/2021	100	Mr.Pratish Mulay	90
Guest Lecture on How to Develop Thought Process	26/08/2020	24	Mr. Yuvraj Patil	102
Webinar on World water day 2021 and Role of youth	23/03/202	66	Col. Shashikant Dalvi (Retd.)	107

List of documents AY 2019-20

Name of the capacity development and skills enhancement program	Date of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details	Page No
A personalized online learning platform for employability	27/08/2019	50	Mr.Anurag Sharma	01
Interaction with Students for guiding them to increase their skills and potential	08/01/2020 to 09/01/2020	60	Mr.Shubham Sorte	06
Guest Lecture on Communication Skill	20/08/2019	52	Ms.Aparna	15

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Seminar on The Language Lab:A comprehensive Guide to Language Learning	19/02/2020	52	Mrs.Priti Umbardand	22
Life Skill Workshop:Yoga & Meditation-Need for health & happiness	20/02/2020	82	Mr. LAL	30
PCB Design Workshop	13/09/2019 to 14/09/2019	22	Mr.Mubarak Tamboli,Senior Hardware Engineer,TCS	38
Guest Lecture on VLSI	27/08/2019	39	Ms.Pranjal Shah	43
Guest Lecture & Demonstration on the Subject:Electronic Devices and Circuit	25/09/2019	31	Mr.Ayaz Sayyad,Director A.B Enterprises	47
Guest Lecture on RF and Microwave Circuit Design	23/09/2019	40	Mrs.Renuka Wenkhande,Mr Jayant Gore,S M Technology	51
Guest Lecture on AWS Cloud	16/09/2019	40	Mr.Divit Mishra	55
Guest Lecture on Various Software	25/07/2019	51	Mr.Akshay Shah	59
Seminar on Industrial Requirements by Azuko Technical Institute	30/08/2019	37	Mr.Ashok Kumar	66
Seminar on 3D Printing	16/07/2019	120	Mr.Amey Tambe	74
One Day Workshop on Recent Trends in Automobile	02/05/2020	95	Mr.Vishal Bhat	80
Guest lecture on Technical Course Selection	07/10/2019	163	Mr.Amey Tambe	87
Guest lecture on Microsoft Certification	18/07/2019	57	Mr.Sandeep Jethani	94
A Guest Lecture on Fluid Mechanics with application in Industry	25/02/2020	60	Mr.Pathak	99
A Guest Lecture on Assistant Motor Vehicle Inspector(AMVI)	31/01/2020	45	Mr.Amit Shinde	104

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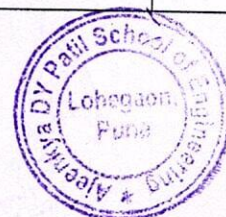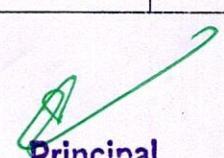|				
Seminar on The Language Lab:A comprehensive Guide to Language Learning	19/02/2020	52	Mrs.Priti Umbardand	22
Life Skill Workshop:Yoga & Meditation-Need for health & happiness	20/02/2020	82	Mr. LAL	30
PCB Design Workshop	13/09/2019 to 14/09/2019	22	Mr.Mubarak Tamboli,Senior Hardware Engineer,TCS	38
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List of documents AY 2018-19

Name of the capacity development and skills enhancement program	Date of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details	Page No
Barclays GTT Soft Skill Training session for BE	20/08/2018 to 23/08/2018	53	Barclays	01
Seminar on German Language	21/09/2018 to 28/09/2018	161	Ms.Priyanka Kalvit	10
Seminar on German Language	03/09/2018 to 12/09/2018	115	Ms.Asmita Nakhate	18
Seminar on The Language Lab:A comprehensive Guide to Language Learning	20/05/2019	58	Mrs.Priti Umbardand	26
International Yoga Day	21/06/2018	70	DYPSOE Prof. Sachin S. Jadhav	34
Life Skill Workshop:Yoga & Meditation-Need for health & happiness	20/05/2019	57	Mr.LAL	45
Seminar on Website Development and Web Hosting	09/07/2018	125	Mr.Sagar Tarade & Dhananjay Khade	52
Guest Lecture on Discrete Mathematics	30/07/2018	74	Prof.Preeti Jain	63
Guest Lecture on Digital Electronics & Logic Design	21/09/2018	131	Prof.Ranjana Kedar	74
Guest Lecture on IOT using Python	30/08/2018	202	Mr.Parth Shukla	82
Guest Lecture on Theory of Computation	25/07/2018	160	Dr.Rajesh Phursule	92
Expert Talk on compressor and its application	09/05/2018	50	Mr. Kadri Ganesh Kumar	100
Expert Lecture on Design and Analysis of Engine Mounting Bracket	21/08/2018	28	DYPSOE Prof. Sagar Birari	104

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QnM:

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the institution (10)

5.1.3.1. Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution year wise during last five years

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.1.3.1	Guidance for competitive exams & career counseling	Number	1101	1165	2512	941	1268	6987

Percentage as per formula	Benchmark achieved range	Expected score
78.93	> 40 %	4

List of documents AY 2022-23

Sr.No.	Name of Activity	Number of students attended/ participated	Page No.
1	Guest Lecture on Importance of GATE/PSUs for higher studies and Government Jobs	98	1
2	Guest Lecture on Importance of GATE for higher Studies	55	11
3	Guest Lecture on Guidance for Competitive Exam Preparation	71	16
4	Guest Lecture on Introduction to Competitive Exams and Career Opportunities	92	23
5	Guest Lecture on Importance of GATE/PSUs	110	32
6	Webinar on Importance of Aptitude for Placement and Higher Studies-Tips and Tricks	139	41

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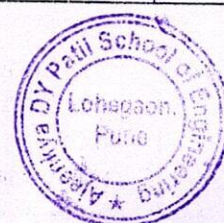
7	Guest Lecture on Career Opportunities for Mechanical Engineer in Process Industry	55	51
8	Seminar on Study Abroad after Engineering	96	59
9	Guest Lecture on Skills required for Entrepreneur	83	69
10	Seminar on Importance of higher studies after UG	75	77
11	Seminar on Overview to University Admissions Overseas	98	86
12	Guest Lecture on Higher Studies	79	98
13	Guest Lecture on Opportunities in UK	50	105

List of documents AY 2021-22

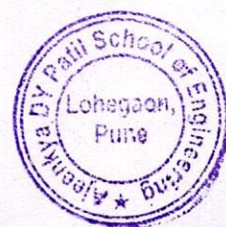| Sr.No.	Name of Activity	Number of students attended/ participated	Page No.
1	Strategy for MPSC Engineering Services	117	1
2	How to develop Positive approach towards competitive exams	85	12
3	How to prepare MPSC/UPSC during graduation	260	19
4	Guest lecture on competitive exam Preparation	171	32
5	Awareness Lecture on "Know Civil Services"	59	40
6	Guest Lecture on Career opportunities for Mechanical Engineering in process industries	75	49
7	Entrepreneurship : Journey to Digital Marketing	78	55
8	Webinar on "Opportunities of Higher Education and Research abroad"	181	61
9	Higher study Opportunities abroad	56	71
10	Abroad study for Engineers	83	79
11	Guest Lecture on Study abroad after Engineering	82	85

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List of documents AY 2020-21

Sr.No.	Name of Activity	Number of students attended/ participated	Page No
1	A webinar on Opportunities after GATE for jobs and Higher Education	247	1
2	Guest Lecture on MPSC Examination	110	6
3	Seminar on GATE Examination by ICE at Computer Department	75	13
4	A Webinar on "Challenges and Opportunities in Data Science and Machine Learning Industry"	217	20
5	A Webinar on "Psycho Neural Counselling for Career Success"	161	29
6	Seminar on "Career Opportunities of Strength of Materials in Automotive Sector"	170	38
7	A Guest Lecture on "TechBuzz of IoT and Startup Bussiness"	146	45
8	The 2 days workshop on future opportunities in industry as design Engineer	216	52
9	Webinar on Industrial Applications of Ferrous Metallurgy	86	58
10	Guest Lecture on My First Step in Startup	350	66
11	A Webinar on Career Opportunities in Mechanical Engineering	100	76
12	Career Opportunities in Civil Engineering	56	82
13	Webinar on Career Opportunities in Ferrous Metallurgy	87	89
14	Guest Lecture on Startup and Entrepreneurship	50	96
15	Higher Study Opportunity across Abroad	179	101
16	Research Opportunities and Innovation in Civil Engineering	188	113
17	Counseling lecture on education in abroad countries	74	127

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List of documents AY 2019-20

Sr.No.	Name of Activity	Number of students attended/ participated	Page No
1	Guest Lecture on Government Engineering Services	80	1
2	MPSC UPSC GATE Quiz for Engineering Students	65	6
3	Seminar on XPLORICA – MPSC /UPSC	381	12
4	Seminar on XPLORICA – GATE Preparation	336	25
5	Awareness Session on Gate/IES/UPSC	518	32
6	Motivational Speech on Engineering Is Awesome	79	40

List of documents AY 2018-19

Sr.No.	Name of Activity	Number of students attended/ participated	Page No.
1	Awareness Session on GATE/IES/UPSC	610	1
2	Guest Lecture on Career Success Blueprint	97	12
2	Guest Lecture on Employability Skill Development	162	18
3	Guest Lecture on Salesforce Career Awareness	206	25
4	Seminar on Study Abroad Opportunities, IELTS and Scholarships	128	32

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5	Guest Lecture on FEA and CFD Application in manufacturing	79	41
6	Guest Lecture on Power Plant Engineering	78	45

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases 1.Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees (10)

Policies supporting the metric :

1.Student grievance redressal policy

2.Antiragging policy

Options:

A. All of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

E. None of the above

Metric	Year	2022-23	2021-22	2020-21	2019-20	2018-19
5.1.4	Option	A	A	A	A	A

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QnM:

5.2.1. Percentage of placement of outgoing students and students progressing to higher education during the last five years (25)

5.2.1.1 Number of outgoing students placed and progressed to higher education year wise during the last five years

Policies supporting the metric :

1.Training and placement policy

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.2.1.1	Students placed and higher education	Number	215 + 0 = 215	269+32 = 301	165 +15 = 180	187+01= 188	145+13 = 158	981+61 = 1042

5.2.1.2. Number of outgoing students year wise during the last five years

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.2.1.2	Number of outgoing students	Number	325	471	505	441	376	2118
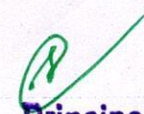
Percentage as per formula	Benchmark achieved range	Expected score
49.19 %	40% -60 %	3

QnM:

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years

5.2.2.1 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/ NET/ SLET/ GATE/ GMAT/ CAT, GRE/ TOEFL/Civil Services/State Government Examinations) year-wise during last five years (10)

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.2.2.1	Number of students qualifying in exams	Number	11	10	05	02	05	33

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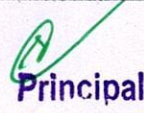
| Percentage as per formula	Benchmark achieved range	Expected score
2.9 %	1%-4%	1

List of documents AY 2022-23

Sr. No.	Registration number/roll number for the exam	Names of students selected/ qualified	Examination	Page No
1	U3980131	Shivansh Sharma	IELTS	1
2	7816411227047810	Ram Patil	TOEFL	2
3	33250	Kiara Jamal	IELTS	5
4	8366411227053110	Amey Bhandari	TOEFL	7
5	128929	Amey Bhandari	GRE	8
6	N4470810	Tanisha Jaiswal	IELTS	9
7	1252987	Ram Patil	GRE	10
8	1631032	Shivansh Sharma	GRE	12
9	5588312227897939	Varad Dange	IELTS, TOEFL	13
10	W7267459	Sarthak Dharmik	IELTS	14
11	-	Ramesh Bapurao Shinde	Banking exam	15

List of documents AY 2021-22

Sr. No.	Registration number/roll number for the exam	Names of students selected/ qualified	Examination	Page No
1	27252	Pushkar Deodatta Rahane	IELTS	1
2	V4755489	Kapoor Rhitik	IELTS	2
3	N7545631	Chindarkar Reetej Ravindra	IELTS	3

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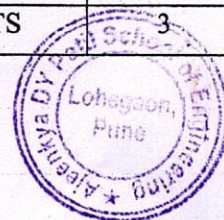
4	U9702124	Kharkar Omkar	IELTS	4
5	193077	Gauri A.Kajale	GRE	5
6	V2979916	Bagul Rushikesh	IELTS	6
7	R7028781	Shaikh Suhail Nayem	IELTS	7
8	M5198125	Shah Saurabh	IELTS	8
9	1525-ASA1-0001191565	Pacharne Abhishek	GMAT	9
10	1204623	Nemane Dinesh Bajirao	Banking Exam	10

List of documents AY 2020-21

Sr. No.	Registration number/roll number for the exam	Names of students selected/ qualified	Examination	Page No
1	U503678	Bhukan Pradnya Sanjay	IELTS	1
2	ME21S82082052	Aditya Verma	GATE	2
3	3943010203083140	Chaitanya Ghadling	TOEFL	3
4	8338745	Chaitanya Ghadling	GRE	5
5	R3864303	Patil Sachin Iragouda	IELTS	6

List of documents AY 2019-20

Sr. No.	Registration number/roll number for the exam	Names of students selected/ qualified	Examination	Page No
1	6281662	Aniket Pandey	GRE	1
2	5193510190946020	Aniket Pandey	TOEFL	2

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List of documents AY 2018-19

Sr. No.	Registration number/roll number for the exam	Names of students selected/ qualified	Examination	Page No
1	EC19S52085066	Harsha Akash Tanti	GATE	1
2	N5129677	Joyce Julius Silvera	IELTS	2
3	34549576	Benjamin Paul	TOEFL	3
4	4463805	Benjamin Paul	GRE	5
5	ME19S22082682	Vaibhav Devidas Ghodke	GATE	8

QnM:

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at University/state/national / international level during the last five years. (20)

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.3.1	Sports/Cultural awards	Number	17	0	0	09	09	35+1 = 36

Percentage as per formula	Benchmark achieved range	Expected score
Maximum 30	> 30	4

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QnM:

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution-other institutions) (25)

Metric	Description	Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
5.3.2	Sports/Cultural awards	Number	56	32	23	39	44	194

Average as per formula	Benchmark achieved range	Expected score
38.8	> 30	4

QlM:

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services (10)

Policies Supporting the Criteria :

1.Alumni Policy

Document List :

1. Registration certificate
2. Constitution of Alumni Association
3. Report of Alumni meet
4. Yearwise activities list
5. Yearwise event reports with geotagged photos and caption
6. Financial audited statement

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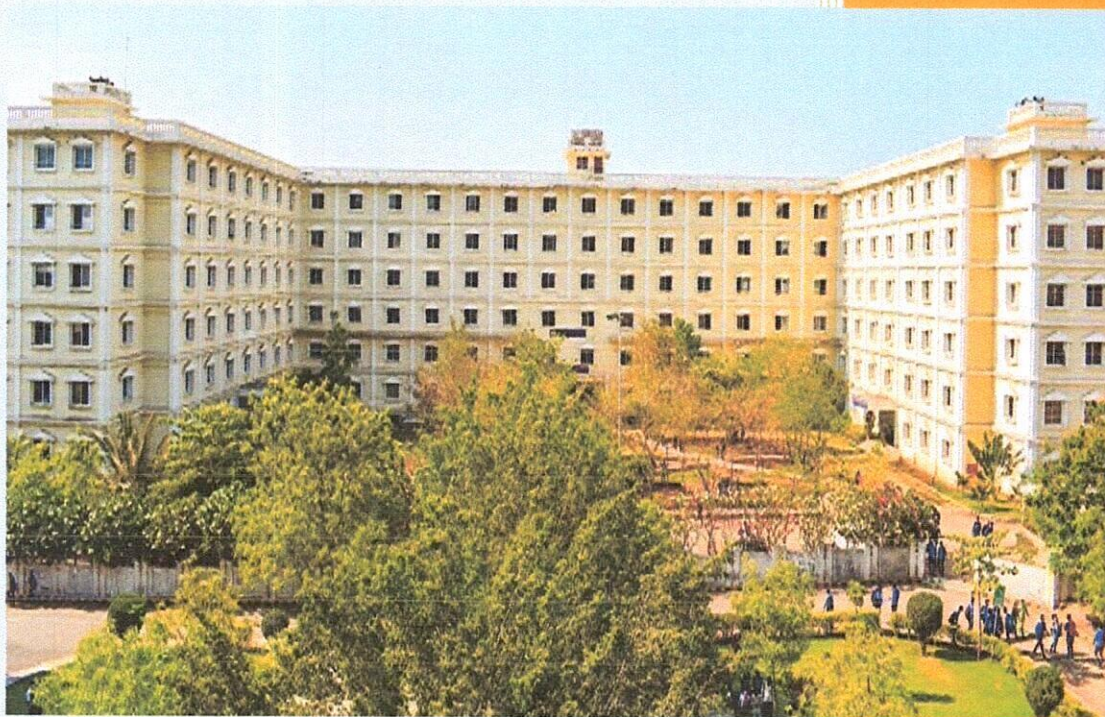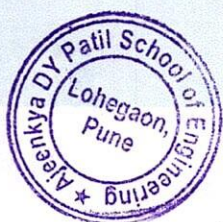Ajeenkya DY Patil School of
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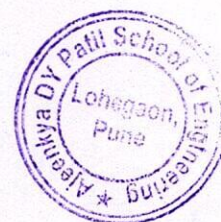
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Criteria 6- Governance, Leadership and Management

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Affiliated to Savitribai Phule Pune University, Pune and Approved by AICTE

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Criterion VI

Governance, Leadership and Management

- **Objectives of criterion:**

This criteria ensures the effective functioning of an institution in the matter of designing policies and planning human resources, recruitment, training, performance appraisal, financial management and the overall role of leadership.

- **Key Indicators:**

Institutional Vision and Leadership

Strategy Development and Deployment

Faculty Empowerment Strategies

Financial Management and Resource Mobilization

Internal Quality Assurance System (IQAS)

6.1: Institutional Vision and Leadership

6.1.1 The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan
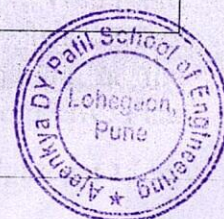
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Supporting documents

Sr. No.	Parameter	Documents
1		Process of formation of Vision ,Mission and Quality Policy of the Institute
		Vision ,Mission and Quality Policy of the Institute

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		Vision, Mission of Departments
2	Governance and Leadership	Institute organogram
3		List of members of cells & committees
4		Governing Body(GC) Constitution, Roles and Responsibilities
5		College Development Committee (CDC) Constitution. Roles and Responsibilities
6		Internal quality Assurance Cell(IQAC) Constitution, Roles and Responsibilities
7		NEP Cell Constitution, Roles and Responsibilities
8		Minutes of meetings(MoM) and Action taken report(ATR)

6.2: Strategy Development and Deployment

6.2.1 The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc.
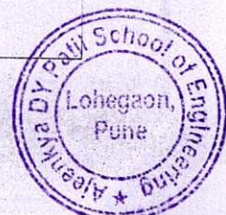
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Supporting documents

Sr. No.	Parameter	Document Link
1		Institute Strategic Plan Document
2		Institute Perspective Plan
3		Institute Organogram
4	Functioning of the Institutional Bodies	List of Policies
5		Institutional Staff Policy

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6		List of members of committees & cells
7		Department Advisory Board (DAB) Minutes of meeting (MoM) and Action Taken Report(ATR)
8		Dean R & D Cell, Minutes of meeting (MoM) and Action Taken Report(ATR)

6.2.2 Institution implements e-governance in its operations

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Institute applies e-governance in Administration, Finance and accounts, Student admission and support and examination

Options:

A. All of the above
B. Any 3 of the above
C. Any 2 of the above
D. Any 1 of the above
E. None of the above

Weightage: 04 M

Sr. No.	Parameter	Academic Year	Documents
1	E-Goverence		E-Goverence Policy
1	Administration-biometric attendance monitoring		Face recognition system and biometric for attendance monitoring
2	Administration – campus security-CCTV		CCTV coverage in campus
3	Administration –security system	A.Y. 2022-2023 to A.Y. 2018-2019	Security System for admin-Firewall
			Library Management System
4	Finance and accounts		Use of Tally and ERP(ERP Bill)

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5	E-governance		Annual E-goverence report
			ERP Screenshots
7	Audit Report		Audit Report 2022-23

Areas of e governance	Name of the Vendor with contact details	Year of implementation
Administration	1. **CNV Labs & ABS & Technologies Pvt Ltd.** 114, B Wing, Shoppers Orbit, Vishrantwadi, Pune 411015 Ph:020 41202654 www.cloudems.in	**June 2021-22**
Finance and Accounts	2. **Twinkle IT Solutions Pvt Ltd** 203, Royal Orchid, Near Podar International School, Katraj Bypass, Mumbai Banglore Highway, Ambegaon, Pune, Maharashtra 411046, Contact No - (+91)7276-499-399, www.twinkleitsolutions.com	**January 2022-23**
Student Admission and Support		
Examination	3. **Yashshree Sales Corporation** Offc no 3, Tejas Villa, S no 49/2,Near Medipoint hospital,Chandan Nagar,Kharadi,Pune 411014	**March 2018-19**
	4. **I Knowledge Services Pvt.Ltd** Office No-726 ,7th floor C-1 ,Clover Hills plaza, NIBMUndri Road, Pune 411048 Contact No- 9822751977	**April 2022-23**

Response: **A.** All of the above

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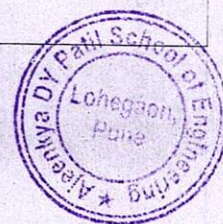
6.3: Faculty Empowerment Strategies

6.3.1 The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Weightage: 06 M

Sr. No.	Parameters	Documents
1		Staff Welfare Policy
2		Healthcare facility in the campus and Tie up with nearby hospital
3		Ajeenkya Medical Insurance policy
4		Accidental Insurance Coverage Policy.
5		Maternity and Paternity leaves
6		Free Yoga classes and meditation sessions.
7		Sports facility for staff.
8	**Welfare measures and Performance Appraisal**	Two sets of uniforms of the non-teaching staff are given by the management free of cost
9		EPF: The Employee Provident Fund is a scheme that helps people save up a sufficient corpus for retirement. The institute contributes towards EPF as per prevailing norms.
10		Gratuity: Gratuity is given by the Institute to eligible employees for the services rendered by him/her during the period of employment as per the prevailing norms.
11		Best teaching and non-teaching staff award.

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12		Loan benefits from Ajeenkya Employees Credit Co-op Society Ltd.
13		Concession in school fees for the children of the employees studying in DY Patil International School at Lohegaon.
14		Staff Quarters/ Residential Quarters are provided to the few teaching and non-teaching staff of the college in campus.
15		Financial support to attend and present research papers at conferences, online certificate courses, publication in reputed journals, Membership fees etc.
16		Birthday celebration of staff.
17		Canteen Facility
18		EV Charging Station
19		RO Water Plant
20	**Performance Appraisal System**	Performance Appraisal System for Teaching and Non-Teaching members -Sample

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Weightage: 12M

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

Year	2022-23	2021-22	2020-21	2019-20	2018-19
Number	107	11	06	08	2

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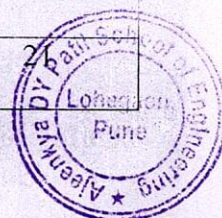
Percentage as per formula	Benchmark achieved range	Expected Score
32.97	20%-40%	2

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Weightage: 15 M

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Total number of teaching staff year wise during last five years

Year	2022-23	2021-22	2020-21	2019-20	2018-19
Number	115	98	31	21	16

6.3.3.2 Total number of non-teaching staff year wise during the last five years

Year	2022-23	2021-22	2020-21	2019-20	2018-19
Number	86	77	00	00	59

Percentage as per formula	Benchmark achieved range	Expected Score
56.64	>=50%	4

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6.4: Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ non-government organizations) and it conducts financial audits regularly (internal and external)

Weightage: 10 M

Supporting Documents

Sr. No.	Parameters	Documents
1		Resource Mobilization Policy
2		Financial Audit Report A.Y. 2022-23
3	Financial Mobilization and Utilization	Financial Audit Report A.Y. 2021-22
4		Financial Audit Report A.Y. 2020-21
5		Financial Audit Report A.Y. 2019-20
6		Financial Audit Report A.Y. 2018-19

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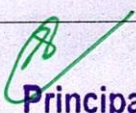
6.5: Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for Institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Weightage: 15 M

Supporting Documents

Sr. No.	Parameter	Documents
1		Office Order- IQAC Coordinator
2		IQAC Composition
3		IQAC MoM & ATR-Sample
4		IQA Policy
5		IQAC Plan of Action
6	Internal Quality Assurance System	AQAR Activity Calendar Sample
7		Operational methodology for post-accreditation quality initiatives
8		Teaching-Learning Policy
9		Roles and Responsibilities of Academic Monitoring and Control Committee
10		Academic Monitoring and control (AMC) Committee Meeting details
11		Feedback Collection from respective stakeholders related to academic, co-curricular & extracurricular activities, Institute Ambience, Student Development, 360 Degree Feedback, Post Placement Feedback. Analysis of feedback and action Taken Report.
12		Incremental Improvement in various activities

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6.5.2 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented
2. Academic and Administrative Audit (AAA) and follow-up action taken
3. Collaborative quality initiatives with other institution(s)
4. Participation in NIRF and other recognized rankings
5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.

Options:

A. Any 4 or more of the above
B. Any 3 of the above
C. Any 2 of the above
D. Any 1 of the above
E. None of the above

Weightage: 15 M

Sr.No.	Parameter	Documents
1		Office Order- IQAC Coordinator
2		IQAC Composition
3		Operational methodology for post-accreditation quality initiatives. - Internal Quality Assurance Policy. IQAC MoM & ATR. Institute Academic Calendar, Department Academic Calendar, AQAR Plan of Action, Department Advisory Board Meetings, Accreditations, Certifications, Rankings, 4N's Plan of Action.
4		Year wise Academic Performance details (Feedback + Results)
5		List of Sponsored Research Projects
6	Quality assurance initiatives of the institution	List of Patents: Filled/Published/Granted
7		List of Publications (UGC Care List/Scopus/Peer Review)
8		List of Copyrights
9		List of Consultancy Projects
10		Faculty Empowerment/Achievements

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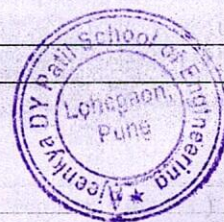
|		
11		Student development Initiatives (Skill Development +Clubs)
12		Institute Preparedness to NEP 2020
13		Incremental Improvement in various activities
14		Internal Academic & Administrative Audits & ATR
15		External Academic & Administrative Audits & ATR
16		External Gender Audit & ATR
17		External Green, Environment, and Energy Audit & ATR
18		Collaborative quality initiatives with other institution(s)
19		NAAC Orientation Session: AQAR/NAAC Criteria
20		Feedback Collection from respective stakeholders related to academic, co-curricular & extracurricular activities, Institute Ambience, Student Development, 360 Degree Feedback, Post Placement Feedback, Analysis of feedback and action Taken Report.
21		Participation in NIRF Rankings & Rank Band (PDFs)
22		NABL Accreditations
23		ISO Certifications
24		Rankings (OBE, Green Intuitional, India Today)
25		SIRO Recognition
26		GOLD Certificate
27		IQAC Annual Reports
28		All AQAR Reports

Response: A. All of the above

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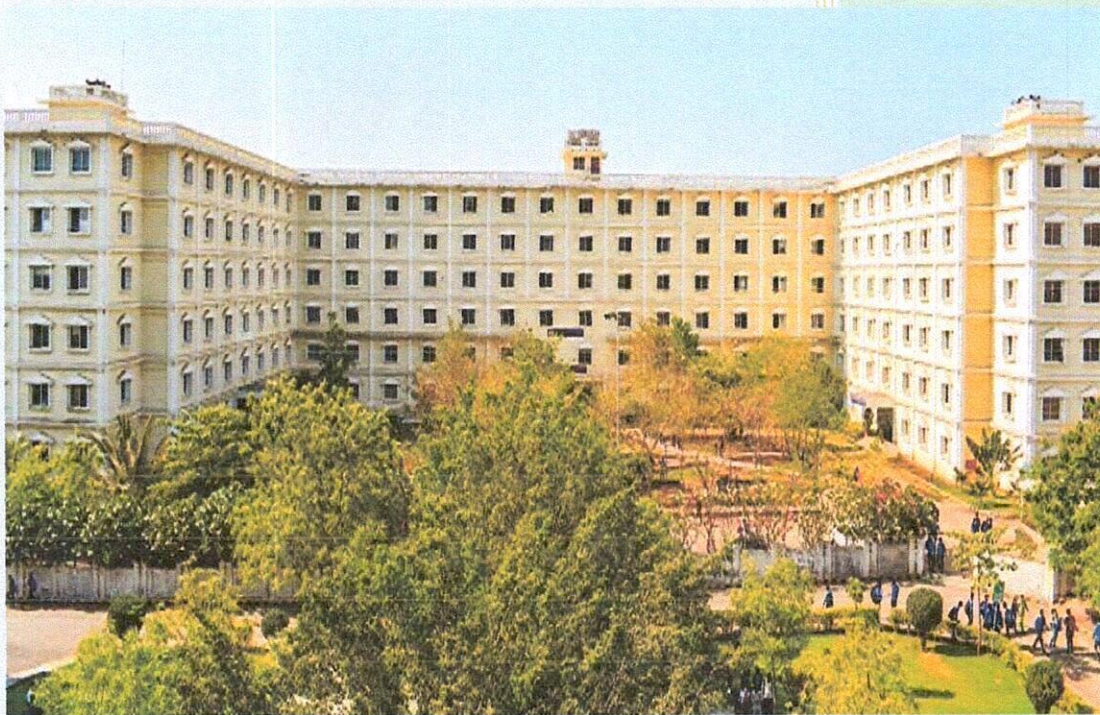Ajeenkya DY Patil School of
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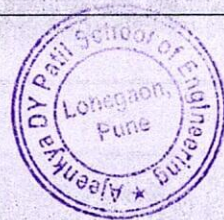
ADYPSOE

Criteria 7- Institutional Values and Best Practices

AJEENKYA
DY Patil School of Engineering
Affiliated to Savitribai Phule Pune University, Pune and Approved by AICTE.

Dr. D. Y. Patil Knowledge City
Charholi(BK), Via Lohegaon,
Pune -412 105
Maharashtra, India.
Phone: (020) 67077922 / 921
www.adypsoe.in

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Criteria VII

Institutional Values and Best Practices (100)

Objective of Criteria:

In order to be relevant in changing national and global contexts few pressing issues such as gender equity, environmental consciousness and sustainability, inclusiveness and professional ethics are addressed. Practices which are evolved internally by the institution leading to improvements in academic aspect are recognized as a "best practices"

Focus Areas:

7.1 Institutional Values and Social Responsibilities (50)

7.2 Best Practices (30)

7.3 Institutional Distinctiveness. (20)

QIM

7.1.1 Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

(10)

Policies Supporting the Criteria:

- Gender Policy

Document List

Sr. no	Document Name
1	Annual gender sensitization plan
2	Internal Complaint Committee Documents
3	Women Empowerment Cell Documents
4	Gender policy
5	Student & Staff Male Female Ratio
6	Facilities Provided for Women.
7	Women's Equality Day
8	Gender Sensitization

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9	Fitness and Security of Women in Society
10	Gender Equity in Health & Nutrition
11	Work Life Balance for Women
12	Self-Defense for Girl Students
13	Mental Health and Happiness
14	Crime against Women
15	Work Life Balance for Women
16	International Women's Day Celebration
17	Save Girl Child E-Poster Making Competition
18	Gender Equity, Women Empowerment & Diversity
19	Self-defense for Women
20	Basic Computer Literacy Training to Rural & Semi-Urban Women
21	Gender Equity and Women's Rights
22	Cyber Security
23	Gender Audit (report & certificate)

7.1.1 Celebration of International/National Days

Sr. No.	Activity
1	International Yoga Day
2	World Environment Day
3	World Health Day
4	Sanyukt Jayanti Utsav
5	National Girl Child Day
6	Chhatrapati Shivaji Maharaj Jayanti
7	Marathi Bhasha Gaurav Din
8	National Sports Day
9	Chhatrapati Shivaji Maharaj Jayanti
10	International Students Day
11	Republic Day
12	Constitution Day Celebration
13	Indian Constitution Day
14	Yoga and Meditation
15	Vachan Prerna Din
16	World Photography Day
17	Cyclothon & Independence Day Celebration
18	Traditional Day
19	National Panchayati Raj Day
20	World Health Day
21	Constitution Day
22	Engineer's Day
23	Teacher's Day

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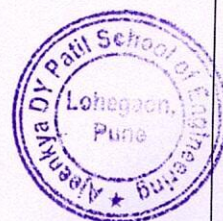
24	World Sanskrit Day
25	Guru Purnima
26	7th International Yoga Day
27	Independence Day
28	Savitribai Phule Jayanti
29	Teacher's Day
30	Guru Purnima
31	150th Birth Anniversary of Mahatma Gandhi
32	Savitribai Phule Jayanti

QnM

7.1.2 The Institution has facilities and initiatives for (20)

1. Alternate sources of energy and energy conservation measures

2. Management of the various types of degradable and non-degradable waste

3. Water conservation

4. Green campus initiatives

5. Disabled-friendly, barrier free environment
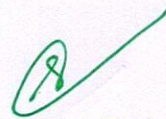
Options:

A. 4 or All of the above

B. 3 of the above

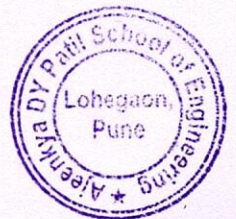C. 2 of the above

D. 1 of the above

E. None of the above

Policies Supporting the Criteria:

- Specially abled Policy
- Environment and Energy Usage Policy
- SOP for Ban on the use of Plastic

Five Years Data Table

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Metric No.	Description	Percentage as per formula	Benchmark Achieved Range	Expected Score
7.1.2	The Institution has facilities and initiatives for 1. Alternate sources of energy and energy conservation measures. 2. Management of the various types of degradable and non-degradable waste. 3. Water conservation 4. Green campus initiatives. 5. Disabled-friendly, barrier free environment. Options: A. 4 or All of the above B. of the above C. of the above D. 1of the above E. None of the above	4 or All of the above	A	4

Document list

| Sr. no	Document Name
1	Policy Document (Environment and Energy Usage Policy)
2	Policy Document(Specially abled Policy)
3	SOP for Ban on the use of Plastic
4	E-waste MOU
5	Environmental club documents
6	Geotagged photos
7	Bills
8	Work order of Solar
9	Work order of rain water harvesting
10	Work order of universal toilet
11	AMC of lift
12	Bills of LED & sensor lights
13	Bills of Wheel chair

QnM

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. **(10)**

The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit

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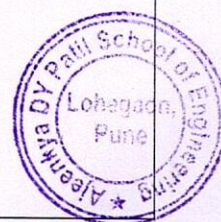
2. Energy audit

3. Clean and green campus initiatives

4. Beyond the campus environmental promotion and sustainability activities

Options:

A. All of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

E. None of the above

Policies Supporting the Criteria:

- Environment and Energy Usage Policy
- SOP for Ban on the use of Plastic

Five Years Data Table

Metric No.	Description	Percentage as per formula	Benchmark achieved Range	Expecting Score
7.1.3	Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following 1. Green audit / Environment audit 2. Energy audit 3. Clean and green campus initiatives 4. Beyond the campus environmental promotion and sustainability activities Options: A. All of the above B. Any 3 of the above C. Any 2 of the above D. Any 1 of the above E. None of the above	All of the above	A	4

Documents List

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Sr. no	Document Name
1	Policy document
2	**Action taken reports**
3	**Certificates**
4	Report on Green audit
	Report on Energy audit
5	Geotagged photos
6	Green Clean Campus initiatives
7	Report on Environmental Audit
8	Reports of Beyond campus activities
9	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani River
10	Cultural activity at Aapulki old age home near Alandi, Pune
11	Welcoming cadets of Mega C'ycling Expedition named Mahaparikrama
12	Cleanliness activity under Puneet Sagar Abhiyan at Indrayani River, Alandi
13	Awareness rallies (skit) activity under Puneet Sagar Abhiyan at Indrayani River, Alandi
14	Swachhta Campaign at Khandoba Hil, Lohegaon
15	Traffic Managements at Porwal road and Dhanori Jakat Naka
16	Cleanliness activity at Charholi gaon
17	Cleanliness activity Hill Charholi gaon
18	Cleanliness Visapur Fort
19	Utopia Society Aerator Installation
20	Cyclothon
21	Health Awareness Program
22	Awareness program (alcohol and Drug de-addiction)
23	Cleaning Awareness Program
24	Gold Certificate from Energy Swaraj foundation to literate 1000+ students
25	Installation of Climate clock
26	Students as teachers program at Snehwan
27	Physical Activities with Snehwan children
28	Yuvakancha Dhyas – Gram Shahar Vikas
29	Mulya Shikshan
30	Vyaktimatva Vikas
31	Indrayani River Cleaning Awareness Program 2022
32	Literacy Management & Its awareness
33	Saksham Yuva Samarth Bharat
34	Visit and providing financial support To Zilla Parishad Primary School Harantale
35	Peace Pulao by Ajeenkya D Y Patil SOE & D Y Patil Dental School, Lohegaon, Pune
36	NSS Special Camp 2021-2022

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QlM

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens.   **(10)**

Document List

Sr. no	Document Name
1	Counseling
2	Personality development
3	Rights and responsibilities of Citizens
4	Awareness "Right to Information (RTI) Act".
5	Managing Professional and Personal roles.
6	Women rights and Laws for teaching and non-teaching Staff
7	Work life balance for women
8	Guest lecture on communication skills
9	Parent Teacher Meeting
10	7th Yoga Day
11	Peace Pulav
12	Marathi Bhasha Gaurav Din
13	Constitution Day Celebration
14	Indian Constitution Day
15	Azadi ka Amrit Mohastav
16	Swachata Pakhawada
17	Blood Donation
18	Code of Conduct

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual   **(30)**

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Best Practice – I

1. **Title**: - Competency Based Education and Assessment

2. **Objectives of the Practice:**

   1. To incorporate experiential learning opportunities and participatory learning methods to create a student-centered environment.

   2. To bridge the gap between theoretical knowledge and practical application

   3. To enhance students problem-solving and critical-thinking skills

3. **The Context:**

   1. Passive learning approaches: Conventional teaching methods often rely on passive learning, focusing primarily on delivering content through lectures, which has limited students' active engagement.

   2. Limited practical application: The lack of practical application in education hinders Students' ability to apply their knowledge and skills to real-world situations, resulting in insufficient connection between theory and practice.

   3. Varying student abilities and learning styles: Students have diverse abilities, learning styles, and prior knowledge, making it challenging to meet their individual needs and ensure equal opportunities for competency development.

4. **The Practice:**

The practice incorporates Experiential and Participative Learning methods to create an engaging and impactful learning experience. It includes activities such as prototype development, project-based learning, industrial visits, case studies, simulations, mentorship programs, group discussions, research projects, and the use of multimedia resources. These activities provide students with practical exposure, foster critical thinking, problem-solving and collaboration, and facilitate the integration of industry perspectives into the learning process.

Constraints and limitations: -

1. Time constraints: Implementing experiential and participative learning activities requires additional time compared to traditional teaching methods. This pose challenges in covering the required curriculum within limited class hours.

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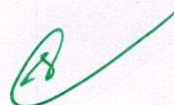Ajeenkya DY Patil School of
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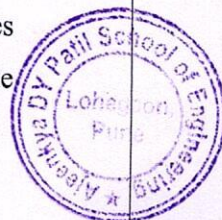
2. Resource availability: Providing resources, such as materials for prototypes, software for simulations, or industry partnerships for visits, are limited.

3. Faculty training and expertise: Faculty members require support to effectively disseminate and implement experiential and participative learning approaches.

4. Assessment challenges: Assessing competencies acquired through experiential and participative learning is complex.

5. Resistance to change: Introducing a competency-based approach and shifting from traditional teaching methods to innovative is a significant challenge.

5. Evidence of Success:

The effectiveness of implementing Experiential and Participative Learning methods has been evaluated through a Google Form survey, gathering feedback from students who actively participated in these activities. The results indicate that a significant portion of faculties have successfully incorporated key elements of experiential learning, such as discussing case studies (60.2%) and showcasing videos on the latest technologies and advancements (44.3%). In terms of participative learning, the practice of engaging students in open-ended questions received the highest focus (64.6%), closely followed by subject-specific group discussions. Additionally, the survey highlights the implementation of various other activities to enhance student learning.

- A significant 69.3% of students reported a notable gain in their level of practical experience.
- 71.5% of students mentioned a significant improvement in their knowledge level.
- An impressive 71.4% of students reported a noticeable enhancement in their collaboration, teamwork, and communication skills.
- 70.1% of students reported an improvement in their understanding and memory retention.
- An encouraging 72.6% of students reported a significant increase in their level of confidence.
- 70.4% of students reported a notable improvement in their creative problem-solving skills.

Overall, the implementation of different activities involving experiential and participative methods has led to a significant improvement in various areas as reported by the students.

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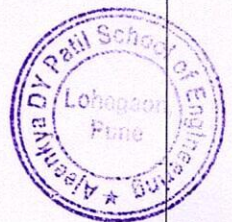
6. Problems Encountered and Resources Required:

1. Lack of awareness and understanding among faculty members and students.

2. Resistance to change from traditional teaching and assessment methods to adopt new approaches.

3. Lack of faculty training and development programs.

4. Limited availability of resources such as technology, infrastructure, learning materials, and assessment tools.

Addressing these problems and allocating the necessary resources can facilitate the successful implementation of Competency-Based Education and Assessment, enabling effective teaching and learning practices aligned with desired learning outcomes.
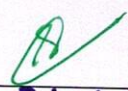
Best Practice – II

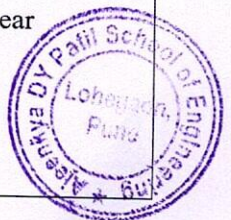**1. Title: -** Bridging the Gap between Education and Employment through Industry Connect.

2. Objectives of the Practice:

1. Enhance students' employability by aligning their skills with industry requirements.

2. Foster collaboration and knowledge exchange between educational institutions and industries.

3. Provide students with real-world exposure and practical experience through internships, mentorship opportunities and collaborative projects with industry.

4. Update teaching methods to include the latest industry trends and topics.

5. Promote skill development, upskilling, and reskilling to address evolving industry needs.

3. The Context:

1. Outdated curriculum: Traditional educational systems often focus on theoretical knowledge, neglecting practical skills required by industries.

2. Skill Gaps: Graduates often struggle to find suitable employment due to a lack of relevant skills and practical experience needed by industries, resulting in limited job opportunity

3. Lack of industry exposure: Many students complete their education without having a clear understanding of the industrial requirements.

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4. The Practice:

This comprehensive practice aims to bridge the gap between education and employment. Key elements include:
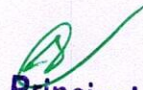
1. Industry partnerships: Formal agreements with industry for collaboration, resource exchange, and shared goals.

2. Address relevant industry topics: Incorporating latest trends, technologies, and case studies into curriculum.

3. Product surveys: Students gather insights on consumer preferences and industry demands.

4. Industry visits: Physical or virtual visits to gain firsthand knowledge of operations and work environments.

5. Guest lectures: Industry experts deliver talks to share expertise and insights.

6. Mentorship programs: Engaging industry professionals as mentors for career guidance.

7. Sponsored projects: Collaborative projects with industry partners to tackle real-world challenges.

8. Internships: Providing practical experience through industry internships.

9. Research on industrial problems: Publishing conference papers focusing on industry issues.

10. Hands-on workshops: Practical sessions using industry-specific tools and technologies.

11. Skill development courses: Offering upskilling and reskilling programs to enhance employability.

These activities aim to align academic with industry needs and provide practical exposure for better employability.

Constraints/Limitations:

Some constraints and limitations that are faced in implementing the above practices include:

1. Resistance to change: faculty members are resilient to modifying the existing teaching methods beyond syllabus due to University Syllabus.

2. Industry collaboration: Establishing and maintaining strong partnerships with industry partners is challenging.

3. Faculty training and readiness: Faculty members need to train and upskill in order to incorporate the latest industry topics and new teaching methodologies

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4. Resource constraints: Implementing industry connect initiatives requires additional funding, infrastructure, and industry-specific tools and equipment

5. **Evidence of Success:** To assess the level of success, student feedback was collected through a Google Form. The feedback reveals the following findings:

1. In relation to this practice, faculties have engaged in various activities. The foremost is discussing advanced topics, trends, advancements, and technologies in the industry sector. The next focus was on industry issues, problems, and challenges. Next to it, faculties emphasized skill development courses available in the market related to the subject. And faculties organized guest lectures by industry professionals, among other activities.

2. 95.8% of students (1801 out of 1879 respondents) believe that the practices will secure employment after completing their education.

3. 95.4% of students (1793 out of 1879 respondents) reported gaining practical experience and skills through the implemented practices.

4. 89% of students (1672 out of 1879 respondents) mentioned being exposed to industry practices through the initiatives.

5. 66.65% of students (32.1% extremely agree + 34.55% significantly agree) believe that the level of employability has increased through the implemented practices.

6. **Problems Encountered and Resources Required:**

Problems that are encountered during the implementation of this practice include less adaptability to change, limited industry participation, and resource constraints. Resources required to implement this practice effectively include:

1. Industry collaborations: Establishing and maintaining partnerships with industries across various sectors.

2. Faculty development and exchange: Providing training and workshops to faculty and faculty exchange initiatives with industry for bridging the gap between academic and industry.

3. Infrastructure: Upgrading labs, equipment, and facilities to support practical training.

4. Networking platforms: Creating platforms for students, faculty, and industry professionals

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to interact, such as job fairs and networking events.

5. Monitoring and evaluation: Allocating resources for monitoring and evaluating the effectiveness of the practice and making necessary improvements

6. Training of non-teaching staff to support the execution of the practice.

Document List

Sr. no.	Documents
1	Best Practices Survey feedback
2	Action Taken Report
3	Best Practices activity reports

7.3 Institutional Distinctiveness (20)

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words
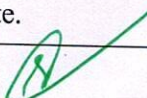
Title:- **Promoting Academic Excellence and Environmental Sustainability**

1. NABL- TCS (Testing and Consultancy Services) Lab

2. Go-Kart

3. Innovation Ecosystem

4. Center of Excellence: IIT Kanpur

5. Action for Restoring Environment

The institute takes great pride in its institutional distinctiveness, focusing on promoting academic excellence and environmental sustainability. The institute has several initiatives and clubs that contribute to this overarching goal.

NABL- TCS (Testing and Consultancy Services) Lab

The TCS Lab, a unique Testing and Consultancy Services Lab of the institute, holds a unique distinction in the Savitribai Phule Pune University (SPPU) as the only lab to achieve National Accreditation Board for Testing and Calibration Laboratories (NABL) accreditation. This accreditation, obtained in September 2021, covers a comprehensive range of 33 tests. The lab's commitment to quality and professionalism has earned them an impressive clientele, including reputed private builders, government organizations, and educational institutions. Currently, the lab serves 122 clients and has generated total revenue of Rs. 25.91 lakhs till date.

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To enhance sample collection from different sites, the lab acquired a Maruti EECO vehicle, improving efficiency. In addition to its contributions to testing and consultancy services, the lab actively supports academic excellence. It awards scholarships to meritorious students, recognizing their achievements and providing financial assistance. In the academic year 20- 21, two outstanding girl students were awarded a prize of Rs 5,000 each. Moreover, in the current year 22-23, the lab has rewarded five meritorious students with bicycles worth Rs 6,000 each. This initiative not only recognizes the students' achievements but also promotes environmental awareness among the students and society.

The lab also actively participates in the Earn and Learn scheme of SPPU, offering valuable learning and earning opportunities to 25 students. Through this program, students gain practical experience and enhance their skills while earning income. Additionally, the lab has facilitated placements for 13 students in reputed construction companies, showcasing the practical experience and knowledge gained through their time in the TCS Lab. Looking ahead, the TCS Lab has ambitious plans to expand its services and obtain NABL accreditation for its geotechnical and environmental lab by September 2023. These expansions will further enhance the lab's capabilities and contribute to its mission of providing cutting-edge services in the field. The lab's commitment to excellence, academic support, and industry exposure not only benefit its clients but also empowerstudents and faculty members, ensuring a holistic growth and development ecosystem in the fieldof testing and consultancy services. Along with the TCS lab, the institute also helps to develop teamwork and communication skills of students through Go -Karting.

Go-Kart

Go-Karting enthusiasts have a thrilling opportunity to participate in the Auto India Racing Championship (AIRC) organized exclusively by the institute across India. Our college boasts a unique 1 km track dedicated to go-kart racing, providing an exhilarating experience for enthusiasts. The last AIRC event attracted 28 teams from across the country, with college in- house teams showcasing their racing skills and passion. The SAE Club at the institute, in collaboration with SAE India is proud to host the prestigious Autonomous BAJA Event, drawing talented individuals nationwide. Excitingly, the institute plans to launch its own E- go kart Racing event, offering students a platform to explore electric vehicle knowledge.

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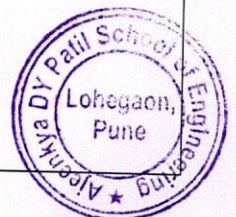
Innovation Ecosystem

The institute's Centre for Innovation Incubation and Entrepreneurship (CIIE) nurtures student innovation. The centre has a Technology Business Incubator (TBI), an IntellectualProperty Rights (IPR) Cell, and Entrepreneurship Cells. The TBI cell is equipped with 3D printers,software, ASUS, Raspberry Pi, and a product development lab, enabling students to bring their ideas to life. Over 20 ideation sessions have been conducted, generating 100+ ideas for patents. We have published 11 patents, with 6 granted and copyrights. The Government of India sanctioned 81.9 lakhs forthe 'SPRING' project. The centre aims to enhance the innovation ecosystem, empowering studentsas successful entrepreneurs and change-makers in their chosen fields.

Center of Excellence: IIT Kanpur

The Centre of Excellence of the Computer Department excels in collaborations and offers cutting-edge courses. The centre signed MoUs with esteemed institutions like IIT Kanpur and Digital Parv. Through IIT Kanpur, the centre conducted Cyber Security courses benefiting 100 students. Additionally, the centre offered a Cloud Computing course using AWS, attracting 130 participants. Collaborating with Digital Parv and Microsoft Azure, the centre provided courses and certifications benefiting 300 students. The expertise gained through these courses has yielded remarkable results, as our students emerged as winners in the Smart India Hackathon 2022, securing the first prize. Future plans include a full-stack web development course in collaboration with IIT Kanpur. Alongside the Centre of Excellence, the Utsaah Club and Biodiversity Club stand at the forefront of our institute's commitment to excellence and sustainability.

Action for Restoring Environment

The Utsaah club is a thriving community of like-minded students and faculty who are passionate about environmental sustainability and social awareness. The club organized community service initiatives such as visits to old age homes and orphanages. Through these initiatives, students learn valuable lessons in empathy, social responsibility, and the importance of making a positive impact on society. In addition to community service, the club provides opportunities for students to participate in cultural activities, allowing them to learn and innovate in their fields of interest. The club organized a paper lantern-making competition to raiseawareness about sustainability and its impact on the environment.

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The Biodiversity Club, on the other hand, takes a focused approach to environmental sustainability on campus, making the campus greener and healthier. This includes conducting tree plantation events to promote sustainability and creating a habitat to attract a variety of birds on the campus. Water pots are strategically placed to provide hydration for the birds, and seeds of exotic kitchen vegetables are planted in shaded areas, fostering a sustainable ecosystem. The club along with the environmental club encourages the avoidance of single- use plastics by utilizing eco-friendly bamboo or reusable alternatives. Furthermore, the institute actively practices the principles of reduce, reuse, and recycle, with one ton of material being given to vendors for recycling and ecosystem restoration. In recognition of these efforts, the institution has received two rankings on Green Institutions of India, showcasing its commitment to environmental sustainability.

Additionally, the institution has been awarded a Gold Certificate from the Swaraj Energy Foundation, highlighting its contributions to renewable energy adoption and conservation. Moreover, the institute has received two awards for its efforts in creating a green, clean, and pollution-free campus, demonstrating its dedication to maintaining an eco-friendly environment. Overall, the institute cultivates a culture of academic excellence, environmental consciousness, sustainability, and social responsibility in order to create a holistic and enriching learning environment.

Document List

Sr. no.	Documents
1	TCS lab
2	Go-kart
3	Innovation Ecosystem
4	IIT Kanpur report
5	Action for restoring Environment

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