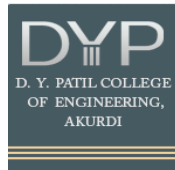


**Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality Assurance
Report (AQAR)**



For D. Y. Patil College of Engineering, Akurdi

(Revised in October 2013)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072** India

NAAC

VISION

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.

MISSION

- ☞ To arrange for periodic assessment and accreditation of Institutions of higher education or units thereof, or specific academic programmes or projects;*
- ☞ To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education Institutions;*
- ☞ To encourage self-evaluation, accountability, autonomy and innovations in higher education;*
- ☞ To undertake quality-related research studies, consultancy and training programmes, and*
- ☞ To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.*

Core Values

To promote the following core values among the HEIs of the country:

- Contributing to National Development*
- Fostering Global Competencies among Students*
- Inculcating a Value System among Students*
- Promoting the Use of Technology*
- Quest for Excellence*

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The Annual Quality Assurance Report (AQAR) of the IQAC

An annual self-reviewed progress report to NAAC, through its IQAC is sent. The details of tangible results achieved in key areas, specifically identified by the Institutional IQAC at the beginning of the academic year are written in the report. The AQAR specifies the details of results of the perspective plan worked out by the IQAC.

Part – A

AQAR for the year

2017-18

I. Details of the Institution

1.1 Name of the Institution

D Y Patil College of Engineering, Akurdi, Pune

1.2 Address Line 1

Sector 29, Nigdi Pradhikaran,

Address Line 2

Akurdi, Pune

City/Town

Pune

State

Maharashtra

Pin Code

411044

Institution e-mail address

principal@dypcoeakurdi.ac.in

Contact Nos.

020-27653058

Name of the Head of the Institution:

Dr. Vijay M. Wadhai

Tel. No. with STD Code: 020-27653054

Mobile: 9921843549

Name of the IQAC Co-ordinator: Dr. Mrs. P. Malathi

Mobile: 7020182820

IQAC e-mail address: iqac@dypcoekurdi.ac.in

1.3 NAAC Track ID MHCOGN27241

OR

1.4 NAAC Executive Committee No. & Date: EC(SC)/29/A&A/10.1 dated November 27, 2017

1.5 Website address: www.dypcoekurdi.ac.in

Web-link of the AQAR: <https://www.dypcoekurdi.ac.in/index.php/naac>

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.06	2017	Valid upto 26 th November 2022
2	2 nd Cycle	-	-	-	-
3	3 rd Cycle	-	-	-	-
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

- i. AQAR _____ NA _____ (14/12/2018)
- ii. AQAR _____ NA _____ (DD/MM/YYYY)
- iii. AQAR _____ NA _____ (DD/MM/YYYY)
- iv. AQAR _____ NA _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(Institution in approved by AICTE)

Type of Institution Co-Education Men Women

Urban Rural Tribal

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

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

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2. 6 No. of any other stakeholder and
Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Academic & Administrative Audit (AAA) is conducted and its follow up action is taken to improve the academic practices at all departments.
- Rigorous performance appraisal system is in place for the faculty members.
- The Institute has initiated appropriate actions for the poor performances in Appraisal system and also offered additional increments for best performance as an appreciation.
- Institute had arranged Project based evaluation” Saraansh” competition for the final year students at the end of 8th semester to evaluate program outcome attainment by the stake holders.
- Training for faculty members on Learning management systems (LMS) like, Gnomio: Open Source Cloud Based Education Moodle and Google classrooms are conducted at all departments for improving ICT based teaching learning process.

(Refer Annexure –I : ICT practices adapted by faculty)

2.15 Plan of Action by IQAC/Outcomes

The plan of action has been proposed by the IQAC in the beginning of the year towards quality enhancement and the outcomes achieved by the end of the year is elaborated in table below

Criteria	Action Plan	Outcomes
1. Curricular Aspects	<p>i) To motivate faculty members from all the departments to participate in revision of SPPU curriculum.,</p> <p>ii) To motivate the faculty members to be a part of University Board of Studies.</p>	<p>i) Faculty members participated in various syllabus revision workshop and syllabus drafting process for SPPU revised curriculum.</p> <p>ii) Dr. V. A. Kulkarni is a member of Board of Studies, Production and Industrial Engineering, SPPU, Pune.</p>
2. Teaching-Learning and Evaluation	<p>i) Implementation of Outcome Based Education</p> <p>ii) Gap Analysis</p>	<p>i) Every department has conducted various outcome based activities and maps them to the program outcomes.</p> <p>ii) Syllabus gaps are identified and fulfilled for all subjects.</p>
3. Research, Innovations and Extension	<p>i) Improving Intellectual Property Rights (IPR) Profile at Institute level</p>	<p>i) Research and Development (R & D) cell of the Institute has conducted various activities to create awareness amongst faculty members and students to convert their innovative ideas and experimental research work into patents.</p> <p>ii) Students research groups have been constituted at the Institute level to enhance the research culture.</p>

Criteria	Action Plan	Outcomes
4. Infrastructure and Learning Resources	i) Establishment of IIT-B remote centre under NMEICT ii) Purchase of new books to meet the changes in SPPU revised curriculum pattern	i) Promotion of active learning is promoted ii) As per the requirement of revised syllabus, various new books and journals have been purchased for library for all the disciplines.
5. Student Support and Progression	i) Use of ICT based learning for students ii) Dissemination of student support system	i) Various training programs have been conducted for the faculty members and students to use ICT tools like MOODLE, Google classroom etc in teaching learning process. ii) Induction program is conducted for First Year students to create awareness about the existing student support systems at our Institute
6. Governance, Leadership and Management	i) Refinement of Governance Policies ii) Nurturing leadership skills iii) Participative Management	i) Governance policies have been refined for polices on Code of Conduct etc ii) Various committees are formed as part of administrative structure which strengthens leadership skills amongst faculty members at various levels iii) Decision making is carried out using participative management style.

Criteria	Action Plan	Outcomes
7. Innovations and Best Practices	i) Open source cloud based Moodle is implemented for innovative pedagogies like Game, discussion forum etc. ii) MoUs with various industries have been signed	i) Peer learning and enhanced active Engagement in learning ii) Internships to students iii) Centre of Excellence has been established in three departments

2.15 Whether the AQAR was placed in statutory body Yes No
 Management Syndicate Any other body

Provide the details of the action taken

1. Draft of AQAR report prepared has been discussed in IQAR meeting.
2. AQAR report finalised in the IQAC meeting has been put up for management review and recommendations in the college development committee meeting.

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of The Programme	Number of Existing Programmes	Number of Programmes Added During The Year	Number of Self-Financing Programmes	Number of Value Added / Career Oriented Programmes
PhD	02	-	02	-
PG	08	-	08	-
UG	07	-	07	18
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	11
Others	-	-	-	-
Total	17	-	17	29
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

(ii) Pattern of Programme:

Pattern	Number of programmes
Semester	07 (UG) + 08 (PG)
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students

(On all aspects)

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

(Refer Annexure II):

a. Stakeholders feedback: Students (Internal)

b. Stakeholders feedback: Students (External)

c. Stakeholders feedback: Parents

b. Stakeholders feedback: Employers

(Refer Annexure III): Stakeholders feedback: Alumni

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

Aspect 1:- Credit system is being introduced by Savitribai Phule Pune University, Pune, gradually replacing percentage system of Evaluation.

Aspect 2:- Syllabus is being updated every Five Years.

Aspect 3:- Savitribai Phule Pune University, Pune has introduced compulsory Online Course in Instrumentation and Control curriculum like NPTEL, MOOCs, Swayam etc.

Aspect 4:- Interdisciplinary Audit Courses are being introduced by Savitribai Phule Pune University (SPPU), Pune for Computer, Information Technology, Electronics and Telecommunication, Production (Sandwich), Mechanical, Civil, Instrumentation and Control.

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

IIT Bombay remote centre is Established through which certifications are offered by IIT Bombay by NMEICT. Activities conducted under remote centre are FDP 101X and FDP 201X.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	193	167	20	06	---

2.2 No. of permanent faculty with Ph.D. 28

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Assistant Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	167	Nil	20	Nil	06	Nil	--	--	193	Nil

2.4 No. of Guest and Visiting faculty and Temporary faculty

00	04	00
----	----	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	90	38	55
Presented papers	96	--	--
Resource Persons	03	01	04

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

- Innovative pedagogies like Rubrics, Gnomio-Open Source Cloud based moodle, Wordpress-website, Game pedagogy (Snake and Ladder, KBC and Hangman), stakeholder participation, CO-PO analysis, online forum discussion, experiential learning, peer learning, flipped class, Questions as per Bloom's Taxonomy.
- Project Exhibition "SARAANSH 2K18" was organized by D Y Patil College of Engineering, Akurdi for all the department between 28th May to 5th June 2018 for final year students. The main objective behind this project exhibition was to showcase innovative project ideas. Projects were evaluated by industry experts and the students received contributive suggestions from the evaluators.

(Refer Annexure I : ICT practices adopted by faculty)

2.7 Total No. of actual teaching days during this academic year (A.Y.2017-18)

180

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

- Institution is affiliated to Savitribai Phule Pune University (SPPU), Pune.
- The Institute follows University initiated ICT based reforms for securing question papers such as online secure passwords, during specific time window to College Examination Officer on registered mobile numbers for downloading question papers.
- The Institute follows University reforms for providing security to answer books in terms of masking, bar coding and moderation etc.
- The Institute follows University portal for online appointment of examiners and online entry of marks by the internal and external examiners during specific time windows.
- The Institute follows University reforms of conducting Graduation Ceremony during which the degree certificate provided by University are being awarded at the Undergraduate Level.
- The Institute has adopted examination reforms in making Outcome Based Assessments- Qualitative and Quantitative, Formative and Summative.
- The Institute has Initiated ICT based assessments using tools such as Learning Management Systems, Google Education Resources and various other online

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

Departments	Faculty Members Involved in Curriculum Restructuring/ Revision/ Syllabus Development	Faculty Members Involved In Board of Study	Faculty Members Involved in Curriculum Development Workshop
Civil Engineering	04	02	---
Mechanical Engineering	10	---	03
Production (Sandwich) Engineering	---	01	---
Computer Engineering	18	---	09
Information Technology	05	---	05
Electronics & Telecommunication Engineering	01	---	07
Instrumentation and Control	10	---	03

Engineering		
-------------	--	--

2.10 Average percentage of attendance of students 76.01%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Civil Engineering	194	42.27	44.33	7.23	--	96.39
Mechanical Engineering	202	88.00	5.00	--	--	93.00
Production (Sandwich) Engineering	66	86.36	6.06	3.03	--	95.45
Computer Engineering	148	73.64	20.94	3.37	--	97.95
Information Technology	116	66.11	23.14	2.45	--	91.70
Electronics and Telecommunication Engineering	128	62.05	25.00	5.46	--	92.51
Instrumentation and Control	57	89.47	1.50	3.50	--	94.47

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

Contributions:

- Training for faculty members on Learning management systems like Moodle, Gnomio: Open Source Cloud Based Moodle and Google classrooms are conducted at all departments for improving ICT based teaching learning process.
- Outcome Based Education is strictly followed by all the departments and necessary training and guidelines are provided to the faculty members accordingly.

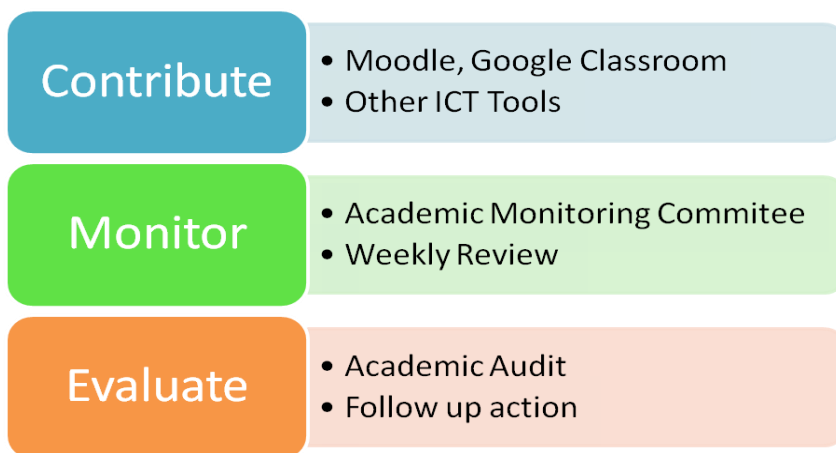
- Institute encourages and motivates faculty members to enrol and complete Faculty Development Program (FDP) offered by IIT Bombay on 101x FDP and 201x FDP and 301x FDP for improving ICT based teaching learning process in the Institute.

Monitoring:

- Daily Academic Monitoring is done by Academic Monitoring committee members and its report is submitted to IQAC coordinator. Weekly meetings of academic monitoring team are conducted and corrective measures for further improvements are discussed.

Evaluation:

- Academic Audits are conducted twice in a semester. Internal Academic audit is conducted by appointed faculty members and external audit is conducted by peer Institutes and its follow up actions are taken to improve the Academic practices at all departments.



2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	95
UGC – Faculty Improvement Programme	10
HRD programmes	05
Orientation programmes	08
Faculty exchange programme	00
Staff training conducted by the university	03
Staff training conducted by other institutions	32
Summer / Winter schools, Workshops, etc.	116
Others	133

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	45	---	---	66
Technical Staff	24	---	---	16

Criterion – III

3. Research, Consultancy and Extension

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

- Institute has signed 235 Memorandum of Understandings (MoUs) to Strengthen Industry Institute Interactions and encourage Industry involvement in the progress of the students.
- The following activities have been conducted by the Research and Development cell of D Y Patil College of Engineering, Akurdi.
 1. DYP Energy Symposium was organized for energy and sustainability on 29th Sept 2018.
 2. Intellectual Property Rights (IPR) (Patents, Copyrights and Trademarks) awareness workshop was arranged to motivate faculty members and students to acquire the intellectual ownership for new ideas and design of products.
 3. Student research group is formed at the Institute level to inculcate research culture amongst the students.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	--	01
Outlay in ₹ Lakhs	--	--	--	34

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	02	--	06
Outlay in ₹ Lakhs	--	1.04	--	18.08

3.4 Details on research publications

(Refer Annexure IV : Research Publication)

	International	National	Others
Peer Review Journals	92	--	--
Non-Peer Review Journals	27	--	--
e-Journals	--	--	--
Conference proceedings	95	37	--

3.5 Details on Impact factor of publications:

Range 0.64-7.211 Average 4.578 h-index 26 Nos. in SCOPUS 15

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Amount in ₹)	Received (Amount in ₹)
Major projects	1 Year	UPS	10,50,000/-	In Process
Minor Projects (03)	2 Years	BCUD, SPPU, Pune	1,42,000/-	1,04,109/-
Interdisciplinary Projects	1 Year	K K Nag Pvt. Ltd	1,00,000/-	1,00,000/-
Industry sponsored	6 Months	Thermax Ltd.	1,92,000/-	1,92,000/-
	6 Months	Divgi Torq Transfer Systems Pvt. Ltd.	3,00,000/-	3,00,000/-
	6 Months	Kores India Ltd.	3,30,000/-	3,30,000/-
	6 Months	Atlas Copco India Ltd.	1,80,000/-	1,80,000/-
	6 Months	Godrej & Boyce Mfg. Co. Pvt. Ltd.	5,10,000/-	5,10,000/-
	6 Months	Forbes Marshall Pvt. Ltd.	1,92,000/-	1,92,000/-
	6 Months	GSD Metallurgy Labs	66,000/-	66,000/-
	6 Months	Modern Packeging Pvt. Ltd.	36,000/-	36,000/-
	6 Months	MSM Solutions Pvt. Ltd. Bhosari	66,000/-	66,000/-
	6 Months	Shapers India Pvt. Ltd.	24,000/-	24,000/-
	6 Months	Shreyash Tools & Components	48,000/-	48,000/-
	6 Months	Techpro Systems	60,000/-	60,000/-

	6 Months	Fabritek Solutions Pvt. Ltd.	72,000/-	72,000/-
	6 Months	Dekson India Pvt. Ltd.	18,000/-	18,000/-
	6 Months	Preciforge Components Pvt. Ltd.	30,000/-	30,000/-
	6 Months	SAMS Enterprises	18,000/-	18,000/-
	6 Months	Siemens India Ltd.	72,000/-	72,000/-
	6 Months	SKF India Ltd.	1,80,000/-	1,80,000/-
	6 Months	Sparkline Pvt. Ltd.	18,000/-	18,000/-
Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
Students research projects (<i>other than compulsory by the University</i>)	Nil	Nil	Nil	Nil
Any other (Specify) (International Project)	1 Year	AICTE	10,00,000/-	In Process
Total		--	47,04,000/-	26,16,109/-

3.7 No. of books published:

i) With ISBN No. 14

Sr. No.	Title of the Book	Name of the Author	ISBN No
1	Project Management and Engineering Economics	S V Pataskar and Prof. N. S. Mujumdar	ISBN-13: 978-9351643524 ISBN-10: 9351643522
2	Construction Management-I	S V Pataskar and Prof. N. S. Mujumdar	ISBN-13: 978-9351641193

			ISBN-10: 9351641198
3	Engineering Geology	Dr. N S Jain and Dr. P Rao	978-93-83750-91-7
4	Infrastructure Engineering and Construction Techniques	A Warudkar and S S. Pathak	ISBN-13: 978- 9333211253
5	Information Theory, Coding Techniques & Communication Network	Dr. J. S. Chitode P. G. Chilveri V. S. Bagad I. A. Dhotre Dr. P. Malathi	ISBN-10: 9333217312 ISBN-13: 978- 9333217316
6	Software Engineering and Project Management	A. A. Jajoo	978-93-5164-148-3(IT)
7	System Programming	A. A. Jajoo	978-93-5164-372-2
8	Computer Graphic	K. D. Bamane	978-93-332-1412-4
9	Processor Architecture & Interfacing	A. S. Gaikwad	978-93-332-1171-0
10	Business Analytics & Intelligence	Dr. P. S Patil K .D. Bamane A. K. Kapasi	978-93-332-1946-4
11	Software Engineering and Project Management	A. A. Jajoo	978-93-5164-368-5 (Comp)
12	Finite Element Analysis	Dr. V. S Jatti and M Sapre	978-93-87656-94-9
13	Information Systems & Engineering Economics	Dr. N. A. Deshpande and D. B. Gothawal	978-93-332- 1591-6
14	Engineering Physics	H. J. Sawant S. Sawant	978-93-5038-759-7

		A. A. Sakurkar S. V. Arlikar S. S. Joshi Dr. S. K. Babar	
--	--	---	--

Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP

CAS

DST-FIST

DPE

DBT Scheme/funds

3.9 For colleges

Autonomy

CPE

DBT Star Scheme

INSPIRE

CE

Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	02	01	--	--	--
Sponsoring agencies	Instron Technologies, Bhosari, Pune ICE GATE Institute, Shivajinagar, Pune Oriental Bank of Commerce Bank, Camp Pune IEI, Pune	Oriental Bank of Commerc e Bank	--	--	--

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

(Refer Annexure VI : Details of Honours and recognitions received by teachers)

3.13 No. of collaborations

International

National

Any other

3.14 No. of linkages created during this year

(Refer Annexure V : List of Industry Collaboration (MoU))

3.15 Total budget for research for current year in Lakhs:

From Funding agency

From College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	37
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

3.17 No. of research awards/ recognitions received by faculty and research fellows of the Institute in the year (*Refer Annexure VI : Details of Honours and recognitions received by teachers*)

Total	International	National	State	University	Dist	College
55	34	02	03	12	00	04

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

National level International level

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC:

University level	--	State level	--
National level	--	International level	--

3.25 No. of Extension activities organized

University forum	04	College forum	11
NCC	--	NSS	10
		Any other	--

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

Name Of The Scheme	Organising Unit/ Agency/ Collaborating Agency	Name of The Activity	Number of Teachers Coordinated Such Activities	Number of Students Participated In Such Activities
Swatch Bharat Abhiyan	NSS	Cleaning	1	50
Social Activity	Rotary Club	River cleaning	1	50
Social Activity	Water Purification Plant, Nigdi, Civil Department	Tree plantation	4	30
Social Activity	NSS/ Sevasahayog	Nirmal Waari Abhiyan	1	70
Social Activity	NSS	Vanmohotsav	1	50
Social Activity	NSS/ Angolichi Goli	Pain Free Tree	1	52
Social Activity	NSS/ Sevasahayog	Social Awareness	1	70
Social	NSS/ Pimpri	Traffic	1	50

Name Of The Scheme	Organising Unit/ Agency/ Collaborating Agency	Name of The Activity	Number of Teachers Coordinated Such Activities	Number of Students Participated In Such Activities
Activity	Chinchwad City Vikas Manch	Awareness		
Social Activity	NSS/ Lenskart	Free Eye Checkup	1	70
Social Activity	NSS/ Nirmalya Collection	Ganesh Festival Nirmalya	1	50
Social Activity	NSS/ Tara Sofosh Dhadphale Centre	Orphanage	1	50
Tree Plantation	Mechanical Department	MESA Tree Plantation at malavali.	7	17
Social Activity	Mechanical Department	Social Activity Visit to Nachiket Balgram.	2	12
Social Activity	Computer Department	Tree plantation	9	20
Water Olympiad 2019	Rotary Club Pune Sinhgad Road	Project Competition, seminars, expert talks	35	305
Social Activity	Civil Department	Water Conservation	2	10
Social Activity	NSS	Social Activity (Leprosy Home)	4	70
Social Activity	NSS	Social Activity (Kerala Flood Relief Fund)	1	50

Name Of The Scheme	Organising Unit/ Agency/ Collaborating Agency	Name of The Activity	Number of Teachers Coordinated Such Activities	Number of Students Participated In Such Activities
Social Activity	Information Technology	Swachh Bharat Digital India PC Awareness	4	40
Social Activity	Information Technology	Tree Plantation	4	40
Social Activity	Instrumentation and Control Department	Social Activity (Tree plantation)	2	45
Social Activity	E and TC Department	E- Waste Collection Drive	1	--

Welfare Activities conducted in coordination with University in 2017-18:

Sr. No.	Activity	Date
1	Marathi Bhasha Gaurav Din	27 th Feb18
2	Nirbhay Kanya Abhiyan	10 th - 12 th Feb 2018
3	Personality Development for Girl students	12 th Jan 2018
4	Earn & Learn Scheme	1 st Aug 2017 to 20 th Feb 2018

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	31580 sq metres	--	--	31580 sq metres
Class rooms	36	--	--	36
Laboratories	67	--	--	67
Seminar Halls	02	--	--	02
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	--	1 set -(Remote centre) 1 Set up Robotics & AI- (Computer Department) 5 IOT Kits- (Information Technology) 10 kits Set up - (E and TC) Total: 04	DYPCOE Management	04
Value of the equipment purchased during the year (₹ in Lakhs)	--	₹ 1.75 (Remote Center) ₹ 1.73 (Computer Department) ₹ 2.07 (Information Technology) ₹ 1.26 (E and TC)	DYPCOE Management	₹ 6.82
Others	--	NIL	--	NIL

4.2 Computerization of administration and library

Administration

- Planning and Development : Management Information System (MIS) is deployed from Info soft college module software purchased from Infosoft Technologies.
- Administration: The Info soft MIS is customized and its latest versions are embedded with the existing ERP. This eases the activities like automatic fee receipt generations, Leaving certificates generation etc.
- Finance and Accounts: The Info soft MIS is customized and its latest versions are embedded with the existing Tally Software's.

Library

- Library facilities are made available to the students during extended hours
- Digital study material like NPTEL Videos and E-journals are made available to the students
- Library has the KOHA software for facilitating ease in access of the books.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in ₹)	No.	Value (in ₹)	No.	Value (in ₹)
Text Books	36278	1,02,03,431/-	2627	10,09,041/-	38905	1,12,12,472/-
Reference Books	2868	81,73,981/-	117	46,185/-	2985	82,20,166/-
e-Books	4245	7,24,500/-	--	--	4245	7,24,500/-
Journals	99	2,82,833/-	98	2,93,329/-	197	5,76,162/-
e-Journals	4747	22,78,387/-	4598	21,16,807/-	9345	43,95,194/-
Digital Database	Yes					
CD & Video	CD's Available -: 1929 Nos. NPTEL Videos - Available Online	--	--	--	CD's Available -: 1929 Nos. NPTEL Videos - Available Online	--
Others (specify)	--	--	--	--	--	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	869	28	Available	--	1	27	7	NA
Added	NIL	NIL	Available	--	--	NIL	NIL	NA
Total	869	28	--	--	1	27	7	NA

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

Upgradation of bandwidth and relevant ICT skills of faculty members, students is carried out on regular basis. Skills upgradation is perform with respect to ICT tools, Pedagogy, Computer Languages, Computer software used in Engineering Profession etc.

a. For information of above mentioned programs of Faculty refer
(Refer Annexure VII : List of FDP's Attended by Faculty)

b. For information of above mentioned programs of Students refer
(Refer Annexure VIII : List of workshops attended by Students)

4.6 Amount spent on maintenance in Lakhs (in ₹):

i) ICT	17.29
ii) Campus Infrastructure and facilities	162.00
iii) Equipments	92.69
iv) Others	54.71
Total :	326.69

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Faculty Members are trained on various ICT Tools, which are being used for the students teaching learning process. e.g. Gnomio- Open Source Cloud Based Moodle, Google Educational Resources etc.
- Induction Program is conducted for students and parents, after the admission process of First Year is over. During induction they are made aware about the infrastructure and facilities available for the student such as Library, Laboratories, Placement Cell, Career Development Cell, Language Lab, Playground, Canteen etc.
- Student of the Institute are made aware of statutory committees such as Internal Complaint Committee (ICC), Grievance Redressal Cell and Anti-ragging committee etc.

5.2 Efforts made by the Institution for tracking the progression

- In order to monitor progress of students, following methods are adopted by the Institute.
1. **Teacher Guardian Scheme** is in place that monitors and analyzes the students participation in academic and allied activities for enhancing the outcome and results of the students.
 2. **Result Analysis** of College Examination and University Examination is carried out by teacher guardians in department which assist in analysing the progression of the students. Counselling is carried out by teacher guardian based on this analysis.
 3. **Alumni Interactions** is routine activity to track the progression of students after graduation and encourage collaboration of alumni with ongoing students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3754	159	14	-

(b) No. of students outside the state 787

(c) No. of International students Nil

(d)	No	%	Men	No	%	Women
	2768	70.64		1150	29.36	

(e)

Last Year							This Year						
General	SC	ST	OBC	Physically Challenged	VJ/NT	Total	General	SC	ST	OBC	Physically Challenged	VJ/NT	Total
2118	348	60	991	-	282	3727	2184	356	59	895	01	423	3918

Demand ratio: **878 / 988 : 88.866% (2018-19 Admission)** Dropout % : 0.5097

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

- The students are being Prepared and trained by the Training and Placement Cell of the Institute to face competitive examinations. Exhaustive training is being provided for developing Communication Skills, Aptitude Test, Technical Skills and Personnel and Professional grooming required to crack the competitive examinations.
 - Sessions are being arranged for students about opportunities in Higher Education and Importance of GATE, TOEFL, GRE, UPSC, MPSC etc.
 - Guest lectures are also arranged for choosing diverse career paths such as Armed Forces, Public Sectors and Private Sectors etc.
 - Distinguished Alumni who are successful in Civil Services Examinations are also invited to deliver guest lecture to inspire and motivate the aspiring learners.
 - Industrial Experts are invited to update the upgrade learners with hands on experience in the wake of ever changing dimensions of professionalism.
 - Foreign Languages training are also provided to the students such as Japanese (JLPT).
 - Students are made aware about the different opportunities available in various fields in Industry such as Information Technology (IT), Information Technology Embedded Services (ITeS), Manufacturing, Marketing, Automation etc.
- (Refer Annexure IX a):Students Progression : student support mechanism for coaching for competitive examinations*

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input style="width: 40px; text-align: center;" type="text" value="--"/>	SET/SLET	<input style="width: 40px; text-align: center;" type="text" value="--"/>	GATE	<input style="width: 40px; text-align: center;" type="text" value="05"/>	CAT	<input style="width: 40px; text-align: center;" type="text" value="02"/>
IAS/IPS etc	<input style="width: 40px; text-align: center;" type="text" value="--"/>	State PSC	<input style="width: 40px; text-align: center;" type="text" value="03"/>	UPSC	<input style="width: 40px; text-align: center;" type="text" value="--"/>	Others	<input style="width: 40px; text-align: center;" type="text" value="02"/>

(Refer Annexure IX b): Students Progression: Details of student qualified in these examinations

5.6 Details of student counselling and career guidance

- **Student Counselling**
 - Teacher Guardian (TG) scheme is implemented at department level. A group of students are allotted to faculty member under Teacher Guardian scheme.
 - TG Provides supports and guidance to participate in Co-Curricular and Extra Curricular Activities to enhance individuals confidence and skills.
 - Weak students are identified and counselled separately in order to improve their performance.

- **Carrier Guidance**
 - Giving utmost importance to various factors resulting in the success or failure at the beginning of a professional career, counseling and guidance is provided to the students.
 - Career guidance lectures, sensitization talk for short to medium term career options are conducted by the speakers from Industry and Academia to create awareness about "Career Planning" and "Career Mapping".
 - Mock interviews and group discussions are organized to perform well in the professional interviews as per the expectations of the corporate world.
 - Considering the students' affinity towards a particular line of operations, domain specific knowledge, their individual strengths and areas of improvements, students are guided to choose suitable career path.
 - Likewise, equal amount of time is spent with the company representatives in understanding their job profiles and requisite skills/competencies desired from the students.
 - Invited lectures are conducted for Career related Stress, Behavior modification, Anger Management and Assertiveness Training, Dealing with change in environment etc.

(Refer Annexure IX c): Students Progression: Details of student counselling and career guidance

No. of students benefitted

900

5.7 Details of campus placement

Number of Organizations Visited	On campus		Off Campus
	Number of Students Participated	Number of Students Placed	Number of Students Placed
Academic Year 2017-18			
196	609	421	36

Academic Year 2018-19			
32	686	147	-

(Refer Year Annexure IX d): Students Progression: Details of Campus Placements)

5.8 Details of gender sensitization programmes.

Gender sensitization programmes are being organized in the Institute.

1. For First Year Engineering students awareness on "Gender Equality and Safety of Girl Students" was created by organizing workshop delivered by expert Mrs. Sadhana Khati on 21st September 2018, where 550 students participated.
2. Mr. D N Trishul, expert on gender equality was invited for a talk on the topic for "sensitizing the students" on 5th October 2018 on the related issues where in 120 students participated.
3. Under the "Nirbhay Kanya Abhiyan" schemes of Savitribai Phule Pune University, Pune Programmes are being conducted specially for girl students on gender issues and safety of girls on 10th to 12th February 2018.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of Students	Amount (in ₹)
Financial support from Institution	3143	24,90,155/-
Financial support from government	1533	14,83,63,242/-
Financial support from other sources	126	61,08,660/-
Number of students who received International/ National recognitions	01	50,000/-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

(Refer Annexure IX e):Students Progression : Details of Social Activities participations

5.13 Major grievances of students (if any) redressed: **Nil**

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the Institution

❖ **Vision**

Empowerment through Knowledge.

❖ **Mission**

To educate the students to transform them as professionally competent and quality conscious engineers by providing conducive environment for teaching, learning, and overall personality development, culminating the Institute into an international seat of excellence.

6.2 Does the Institution has a Management Information System

Yes.

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

6.3.1 Curriculum Development

- The Institute follows curriculum developed by Board of Studies (BoS) of specific areas. Faculty members across the University from various Institutes and Industry Experts participate in the curriculum development.
- Faculty members of the Institute participate in the University curriculum development and revision activities.
- Curriculum Gap Analysis is a regular practice followed by all departments of the Institute. Faculty members discuss the contents of their subjects with Tier –I faculty members, Industry experts, Alumni and Research Scholars in the respective domain to identify the gaps in their curriculum.
- The identified curriculum gaps are being discussed in the department Academic Advisory Board (AAB).
- The verified curriculum gaps are also communicated to the Board of Studies of Savitribai Phule Pune University, Pune, for consideration.
- To bridge the curriculum gaps and enhance the learning experience of the students, Workshops, Guest Lectures, Industrial Visits etc. are being organized.

6.3.2 Teaching and Learning

- One week Induction program is being conducted for First Year Engineering students at the beginning of the program that familiarizes them for overall Engineering, the Institute culture, inculcating universal human values, significance of physical activities, areas of specialization and career guidance.
- Various Teaching Learning practices are being adopted by faculty members of the Institute as per suitability to the courses being taught by them. In addition to traditional teaching learning methods, ICT based teaching learning techniques are being widely adopted by faculty members. ICT based teaching learning techniques used includes Gnomio - Open Source Cloud Based Moodle, Google Classroom, Spoken Tutorials, Flipped Classroom, NPTEL Videos, Online You tube Videos, Virtual Labs etc. Learning experiences of the students are being enhanced by active participation of the students in think-pair-share activities, Group Discussions etc. Industrial Visits, Seminars, Workshops, National and International Conferences organized within the Institute provide wide exposure to the students in specific subject areas and enhance the students learning. Faculty members also engage themselves in providing course contents and learning material to the students through specific Websites. ICT based practices such as Gnomio- Open Source Cloud Based Moodle, Blogs and online discussion forums help students for self assessment, participative learning and problem solving.
- For quality improvement in teaching and learning process, Faculty members and students are encouraged by the Institute to enroll themselves for various NPTEL courses during the Academic Year. 83 faculty members completed NPTEL Courses successfully with 62 faculty members received Elite certifications and even gold certification is being received by two faculty members.

6.3.3 Examination and Evaluation

- Examination system of Savitribai Phule Pune University, Pune necessitates every affiliated Institute to appoint College Examination Officer (CEO) and register his details with the University. CEO is the authorised person of the Institute to oversee the examinations and their assessment carried out at the Institute level and keep liaisoning with the University for all examination related activities.
- University level examination includes Online Examination, In-Semester Examination, Oral/Practical/Term Work Examination, End Semester Examination evaluated by Internal Faculty and External Faculty. Seminar and Technical Communication examination and Project examination are being evaluated by External evaluator from Academia or Industry in addition to Internal faculty appointed by University.
- Institute level Centralised Assessment of Answer Sheets is carried out after which the marks are uploaded on the portal through secured portal.
- The Institute conducts Unit Tests, Mock practical and oral Exams, Prelims exams semester wise in addition to the University examination. Institute has initiated innovative and outcome based assessment techniques for continuous evaluation and feedback. These include technique such as Open Book Test, multiple choice questions (Online and Offline), Quizzes, Mock Group Discussions and interviews, project posters presentation, project demonstration, Rubrics based qualitative assessment for various learning activities etc.

6.3.4 Research and Development

Dean Research and Development (R and D) has been designated specially to promote research culture in the institute. As a result of it, following is the statistics of research work carried out by all the departments from October 2017.

Sr. No	Description	Total
1	Research publication: International Conference International Journal	95 119
2	Patent's filed and published	37
3	Research grant	02
4	Copyrights	02
5	International Collaboration	06

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library

- Library facilities are made available to the students during extended hours.
- Digital study material like NPTEL Videos and E-journals are made available to the faculty and students.
- Library is automated through KOHA software and RFID tags that facilitates access to the required book.

ICT Infrastructure

- Institute has well equipped computing facilities and laboratories available with computer which are networked and provided 24x7 Internet Leased line with sufficient bandwidth to enable seamless video access supported by UPS facilities, Generator backup facilities. Leased line is provided to the proxy server in the campus on which appropriate firewall is installed with security settings through which Internet access is provided to all the computing devices within the campus.
- The Campus premises are available with Wi-Fi access to the students on their registered laptop devices for outside the classroom learning participations and collaborative learning.
- ICT Infrastructure provided enhances participation of faculty and students in quality teaching learning practices within and outside the classroom.
- Gnomio- Open Source Cloud Based Moodle, Google Education Resources are the major ICT practices in which faculty members and all students participate actively.
- CCTV Cameras are installed in Main Entrance of the Educational Complex, Classrooms, Corridors, Laboratories and Important places for providing security and monitoring teaching- learning and evaluation activities.

Physical Infrastructure

- The Institute has state of the art physical infrastructure supporting teaching learning activities that includes Smart Classrooms, Tutorial Rooms, Drawing Hall, Workshop, Well Equipped Laboratories, Library- Reading Room, Periodical Section, Administrative Office, IIT Bombay Remote Centre, Head of the Department Cabins, Examination Control room, Seminar Hall.

- Physical Infrastructure such as Auditorium, Amphitheatre, Open Air Theatre, Canteen, Cafeteria, Students Plaza, Transport Facilities, Lift, Ramp, Sport Ground, Parking Facilities, RO Water Purifiers, Sanitation Facilities, Girls Hostel and Gymnasium, Boys Hostel, Girls Common Room, Boys Common Room etc. are adequately provided.
- The Institute has Rain Water Harvesting facility and Sewage Treatment Plant.
- In order to keep the equipment in Working Condition, Various Measures are adopted such as Annual Maintenance Contract (AMC) given to vendors wherever applicable. In House System Department takes care of the ICT related facilities within the Institute.
- Periodic Calibration of equipment is carried out by technical staff.

6.3.6 Human Resource Management

- The Institute adheres to well defined Human Resource Management policies and procedures.
- The Institute adopts policies for recruitment, retention and promotions based on the rules and regulations of the regulatory authorities, prevailing norms and merit amongst the available candidates for the positions.
- The Institute is always concerned about the quality of teaching learning and academic improvement.
- The Institute is always interested in grooming the human resource for adoption and enhancement in ICT based teaching learning practices and up skilling of the individuals.
- The Institute is supportive of welfare and well being of the individuals and adopts policies and measures for human resource development.
- The Institute believes in adopting various quality improvement strategies at various level.
- HR Manual is being prepared for the entire campus.

6.3.7 Faculty and Staff recruitment

- Recruitment is systematic process followed within the Institute. The standard recruitment procedure of Savitribai Phule Pune University, Pune is being followed. Apart from this regular selection process, for the vacancies at Institute level, recruitment is carried out as per Dr. D Y Patil Pratishthan, Akurdi, Pune policies. Candidates qualified for the respective positions as per the prevailing qualification norms of the AICTE have to go through the campus level recruitment process. Lecture demonstration and Interviews at department, College and Campus level are being conducted. Candidates are selected for the faculty positions based on merit by a Campus level selection committee.

6.3.8 Industry Interaction / Collaboration

- All BE Production Sandwich course students are required to undergo Industrial In-Plant Training in 5th and 8th Semester. This training is recognised by Board of Apprenticeship Training (BOAT) Western Region (WR), Mumbai. As a result students received stipend during Industrial Inplant Training in the range of ₹ 2,000/- to ₹ 15,000/- per month. In last five years total stipend received is ₹ 83,07,600/-.
- Number of MoUs by all departments is done with various Industries/ Academia are as follows

Sr. No.	Department	Number of MoU's
1.	Mechanical Engineering	38
2.	Civil Engineering	29
3.	Production (Sandwich) Engineering	46
4.	Instrumentation and Control Engineering	13
5.	Electronics and Telecommunication Engineering	35
6.	Computer Engineering	54
7.	Information Technology	21
8.	First Year	01
Total		236

Refer Annexure V: List of Industry Collaboration (MoU)

6.3.9 Admission of Students

Admission process is carried out by Directorate of Technical Education through Centralised Online Admission System as per policies of the Government for all the Institutes in Maharashtra. The Institute level Quota Admissions are carried out by Management at Institute level as per Merit in the qualifying examination. Admissions are carried out for the registered candidates as per the merit in qualifying examinations at State and National level and their choices about the Institute given to the Online portal. The Institute is choice of Meritorious students in the vicinity as well as at State and National level.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> Teaching Faculty members are benefited by Employee Provident Fund scheme as per applicable to them. Management supports the education of the children of regular teaching faculty by providing 50% Concession in tuition fees if they are studying in Dr. D Y Patil Educational Complex at Akurdi, Pune.
Non teaching	<ul style="list-style-type: none"> Non teaching staff members are benefited by Employee Provident Fund scheme as per applicable to them. Management supports the education of the children of regular non teaching faculty by providing 50% Concession in tuition fees, 100% concession in certain cases if they are studying in Dr. D Y Patil Educational Complex at Akurdi, Pune. Management is financially supporting girl child marriage of all non

	teaching staff by providing amount ₹ 11000/-. This year Mrs. Panse (Computer Department) and Mr. Burse (Electronics and Telecommunication) received this benefits.
Students	<ul style="list-style-type: none"> • Students Insurance policies- "Amartya Shiksha Yojana" and "Group Personal Accident" cover is available through National Insurance Company Ltd., for all students of the Institute. • Earn and Learn scheme of Savitribai Phule Pune University, applicable to the Institute is providing benefits to students through which their supportive services are utilised through which they can earn and support their learning. • Rajashree Shahu Maharaj Scholarship provided by State Government to the students to supports them financially. • Social Welfare Office, Government of Maharashtra provides a scholarship to reserved category students (Other than OBC) as 100 % tuition fee reimbursement and 50% Tuition fee reimbursement to OBC category. • National Scholarship scheme of Central Government through which every year 04 students get scholarship as 50 % tuition fees. • Dr. Panjabrao Deshmukh Wastigraha scheme is made available to the students through State Government for concession in hostel fees. Every year, 150 students are benefited through this scheme.

6.5 Total corpus fund generated

₹ 2,11,02,999/-

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/ No	Agency	Yes/ No	Authority
Academic	Yes	Dr. DY Patil Institute of Engineering Management & Research, Akurdi, Pune.	Yes	IQAC
Administrative (Financial Audit)	Yes	V. S. Potdar and Company, Bhandarkar Institute Road, Pune. (Chartered Accountant)	Yes	Dr. D Y Patil Pratishthan, Akurdi Pune

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

For UG Programmes Yes No

For PG Programmes Yes No

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

- Savitribai Phule Pune University, Pune has adopted several examination reforms which encourage enhanced usage of ICT for conducting secure and strict examination. University also adopted distributed processing in conduction of examination, Assessment of Answer Papers and online entry of marks.
- The students register with the online system for the examination which they would like to appear. The system generated hall tickets are made available to the students through the Institute office.
- University has created question bank of various subject from which questions are randomly selected in case of online examination of respective subjects.
- The syllabus and question papers of theory examination are available to faculty and students on University portal.
- Appointment of Internal as well as External examiners is carried out online by the appropriate authorities based on their roles using two step authorisation.
- Every faculty member of the University has got registered profile with the University portal through which complete data of faculty members is available to the University and helps in all the communication between faculty and University.
- The students marks are available to them after result declaration, through their registered login.

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

- University has encouraged autonomy in a step by step manner to the affiliated colleges.
- Assessment of In Semester examination papers is carried out at Institute level.
 - Data entry of marks for Oral, Practical, Term Work and In Semester examination papers is carried out at Institute level with appropriate verification processes.
 - Institutes are authorised to conduct Graduation Ceremony every year for awarding the Degree Certificates provided by University to Undergraduate students.
 - University is also encouraging the Institutes for permanent affiliation which is first major step towards Autonomy.
 - As per Circular 125, University had granted Partial Autonomy to Production Engineering Department to carry out their 100 % Examination Assessment.

6.11 Activities and support from the Alumni Association

- Alumni Association of the Institute is a Registered body under which Alumni coordinator of the Institute organises Alumni meet every year within the campus.
- Departments also conduct alumni meet and interact regularly with the alumni for providing Industry inputs to the students.
- Alumni meets are also arranged at various locations Nationally and Internationally outside the campus.

6.12 Activities and support from the Parent – Teacher Association

- Institute has strong connect with the parents community at various levels using online communication media. Periodical communication exists between students teachers and parents for sharing of various activities in the college.
- Parent – Teacher meet is organised by each department once in a semester to share the learning performance of the students with their parents.
- Parents are informed about various activities of the Institute and encouraged to give constructive feedback.

6.13 Development programmes for support staff

Management of the Institute organises programmes for Supporting Staff- Technical and Non Technical for their general well being.

- Expert Lecture by Dr. Gokhale on "Password to Good Health" on 24th August 2018.
- Expert lecture on “Stress Management” by Dr Sanjeev Kumar Patil on 22nd September 2018.
- Apart from the normal teaching & learning schedule, Institute has organized Full day Adventure visit to Adlabs Imagica on 17th January 2018 for all faculty, staff members along with HoDs and Principal.

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

Initiatives taken by college to make campus eco-friendly are,

- Energy conservation - 350 KW solar roof top system is installed and started functioning.
- Use of renewable energy
 - Rain Water harvesting
 - Tree Plantation
- e-Waste management- e-Waste collection drive awareness program organized during 27th August to 31st August 2018. Students and faculty members of various departments have participated in this drive which helps in conservation of natural resources and protect our surroundings. We received a certificate of e-waste disposal from Prabhunath traders for the successful disposal off of material in scientific and eco-friendly manner.

Criterion – VII

7. Innovations and Best Practices

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

- Implementation of Outcome Based Education framework.
- Participation in National Institute Ranking Framework (NIRF).
- Management Information System for office (Account and student section).
- Interface between the management and the Institute to offer incentives to all the faculty members with excellent performances
- Ongoing efforts to disseminate Program Outcomes, Course Outcomes and Outcome Based Assessment.
- Establishment of Centres of Excellence by the respective departments is on going in the following areas
 1. Internet of Things
 2. Texas Instruments Innovation Centre
 3. Automation Training Centre
 4. Cyber Security
 5. Cloud Computing
 6. Sustainable Construction Materials
 7. Robotics, Industrial automation & Artificial intelligence

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

Action Taken Report

1. IQAC encouraged faculty members to participate in curriculum development process of Savitribai Phule Pune University, Pune.
2. IQAC was instrumental in improvement of quality of Teaching learning evaluation process.
3. IQAC supported and participated in research and development activities of the Institute to enhance the research culture.
4. IQAC members were actively involved in establishment and development of state of the art infrastructure and learning resources.
5. IQAC is in process to improve various student support activities for enhancing the

attainment of program outcomes.

6. IQAC is in process for refinement of various policies and procedures at Institute level for improving effectiveness in administration.
7. IQAC promoted, recognised and appreciated the innovative contributions of the faculty and students and is constantly striving for betterment of the prevailing practices within the Institute.

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

1. **Industry Collaborations:**

- In line with the Institutions Mission statement, Industrial collaborations are strengthened to inculcate professional qualities in the students for making them conversant with Industrial practices and environment.
- The Institute has prioritized, learner centric practices for quality teaching learning process to improve employability.
- Noted Outcomes of Industrial Collaborations are, enhancement of internships, sponsored projects and employability enhancement.
- The Industrial collaborations also helped in learning core competent technological skills in respective thrust areas.

(Refer Annexure V:- Industry Collaborations (MoU))

2. **Outcome Based Education**

- D Y Patil College of Engineering, is a flagship college of Dr D Y Patil Pratisthan established in year 1984 and enjoys high reputation in real life earned by Management, Faculty, and Alumni. Institute Alumni are of high engineering acumen and are well placed globally.
- At DYPCOE, Outcome Based Education is primarily practiced, concentrating on, enhancing employability amongst students, faculty competence, bridging curriculum gaps, continual improvement, dissemination in students, seal of approval of stakeholders including teaching-learning and evaluation processes as per Industry 4.0.
- All OBE processes are nurtured from Outcome (Placement, Higher Education and Entrepreneurship) point of view. CO-PO methods are devised to bridge curriculum gaps by seeking active guidance of Tier 1 Institute (College of Engineering, Pune-COEP) as part of MoU of DYPCOE with COEP as reflected in Education 4.0. To ensure, constant connect with students and dissemination in them,

ICT based practices are followed, which predominantly include, Open Source Cloud based Learning Management System (LMS) Gnomio- Open Source Cloud based moodle, as recommended by IITBombayX under NMEICT.

(Refer Annexure I: ICT practices adopted by faculty)

7.4 Contribution to environmental awareness / protection

In addition to the measures which were included in SSR, many initiatives were taken by the Institute in the direction of environmental consciousness and sustainability.

1. Solar Roof Top Photovoltaic system of 350 kW is installed on roof of Cafeteria.
2. Tree Plantation activity, in association with CSI Student Chapter and ACES was organized. Total 30 tree saplings were planted at Shivane, Tal-Maval, Dist-Pune. The Sarpanch and Grampanchayat members from Shivane actively supported this activity.
3. Faculty and Students organized Social Activity to give the basic knowledge of computer systems like Input & Output devices, for Zilla Parishad School Students at Tathawade, Pune.
4. Social Activity was organized for Z.P Prathamik Shala, Kurwande, Lonavala, Pune, Sojar Vidyalay Lonavala students to educate about hardware knowledge.
5. e-Waste collection drive was organized during 27th August to 31st August 2018. Students and faculty members of various departments have participated in this drive which helps in conservation of natural resources and protect our surroundings.

7.5 Whether environmental audit was conducted? Yes No

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

STRENGTHS

- Continuous enhancement of Industry-Institute Interaction.
- Support from Management for Innovative Teaching-Learning and Evaluation Process like Moodle, Google Education Resources etc.
- Involvement of Stakeholders in teaching-learning and evaluation processes.
- Class rooms are equipped with LCD Projectors and Public Address System enabling delivery of lectures in respective domain.
- Hygienic, clean, tidy environment friendly campus with ample parking space.

- Research Centre for PhD students in Electronics and Telecommunication and Civil Engineering.
- Internal Tests and activities (Poster Presentations, Industrial Visits, Co-curricular activities etc), are conducted as per CO-PO and Blooms Taxonomy Level, for enhancement of employability.
- Course Outcome and Program Outcomes are disseminated by faculty to cope up with employability needs.
- Healthy teaching-learning process with supportive amenities including auditorium, seating arenas, hostel accommodation, sports facilities, intercom facilities, cafeteria, Generator and UPS backup with well ventilated classrooms and laboratories are available.
- Publications of faculties in Scopus indexed and reputed National and International journals along with book publications.
- Central library uses bar-coding for books identification assisted with KOHA software for accessing books.
- Internet access through Firewall and Wi-Fi facility.
- Professional Chapters like ISTE, ACM, CSI and IEI for Students are functioning to enhance professional learning beyond classroom.
- Sensitization of E-Waste and energy Conservation awareness amongst faculty and students.
- Ample opportunities to students to exhibit their skills through Project exhibition, Poster Presentations, Industrial Training and Model making to build interdisciplinary approach.
- Faculty and students are motivated to participate in NPTEL, Swayam, IITBombayX FDPs, Stakeholders Meet, as a measure to bridge the curriculum gaps.
- Institute established IITBombayX Remote Center (RC) under NMEICT for practicing innovative pedagogies in order to promote active learning and engagement.
- Feedback system on Teaching-Learning and Evaluation Processes is used as a measure for continuous improvement.
- Company specific training sessions for technical areas, group discussions and soft skills grooming are organized to enhance placement of students.

WEAKNESS

- Flexibility in Curriculum is limited which poses hindrance in promoting learning requirement as per Industry 4.0.

- Due to limited options for electives, value added courses for industry requirements are needed as add-ons.
- University examination system may involve limited questions from higher order thinking skills as per Blooms Taxonomy.
- Curriculum has limited interdisciplinary approach.

OPPORTUNITIES

- College is located in the vicinity of largest automotive Industrial belt of Asia.
- Ample opportunities for students to explore at overseas.
- Innovative pedagogies are adopted for practicing OBE in all disciplines of Engineering.
- Opportunity to start up Industry relevant courses such as Internet of Things (IoT) and Mechatronics to accommodate Interdisciplinary approach.
- Promoting students and faculty for participation in Co-Curricular and Extra-Curricular Activities at International Level.

CHALLENGES

- Creating healthy young minds with strong ethics for societal development.
- Programme specific and Interdisciplinary Consultancy work by Faculty.
- Employability of weak and slow learners.
- IPR issues understandings and implementation by the learners and facilitators.
- Real time projects satisfying societal needs and promoting quality life for every class of human beings in cost effective way.
- Research grants from National and International Agencies.

Annexure –I: ICT Practices Adapted By Faculty

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
Dr. V A Kulkarni	How to Conduct Flipped Class	YouTube	2018
	Oxyacetylene welding	YouTube	2018
	What is outcome based education	YouTube	2018
	Subtitles Le.D	YouTube	2018
	How to Create Website	YouTube	2018
A B Abhale	Data Structure	YouTube	2018
G P Babhulkar Vishnupriya G S	Fundamentals of Programming Language-I	Wordpress	2018
N. V. Mane	Linear Integrated Circuit	Gnomio	2018
Dr. B. B. Musmade	Process Dynamic and Control	Gnomio	2018
V. S. Vibhute	Embedded System Design	Gnomio	2018
R.R. Sangitrao	Internet of Things	Gnomio	2018
N. R. Mohanty	Project Engineering and Management	Gnomio	2018
P. B. Kaushal	Sensor and Transducers	Gnomio	2018
A. A. Utikar	Network Theory	Gnomio	2018
V. V. Yerande	Basic Instrumentation	Gnomio	2018
A. R. Kesti	Basic Electronics	Gnomio	2018
R. A. Deshpande	Instrumental Method for Chemical Analysis	Gnomio	2018
S.V Pataskar	Total Quality Management & Management Information System In Civil Engineering	Gnomio/ Google Classroom	2018
Dr. B. S. Balapgol	Strength of Material	Gnomio	2018
S. J. Mane	Surveying	Gnomio	2018

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
B K Bhonde	Basic Civil & Environmental Engineering	Gnomio	2018
Dr. A K Pisal	Structural Design I	Gnomio	2018
Dr. S S Datta	Geotech Engineering	Gnomio	2018
Dr. T R Bagul	Transportation Engineering	Gnomio	2018
Dr. A B More	Environment Engineering II	Gnomio	2018
A R Patil	Building Technique and Material	Gnomio	2018
M. P. Chougale	Geotech Engineering	Gnomio	2018
A S Hiremath	Geotech Engineering	Google classroom, Gnomio	2018
M V Tatikonda	Structral Analysis II	Gnomio	2018
K K Biradar	Infrastructure Engineering Construction Techniques	Gnomio	2018
A S Kulkarni	Total Quality Management & Management Information System In Civil Engineering	Gnomio	2018
R S Patil	Hydrology and Water Resources Engineering	Gnomio	2018
A A Joshi	Infrastructure Engineering Construction Techniques	Gnomio	2018
V R Kashikar	Hydrology and Water Resources Engineering	Gnomio	2018
A R Sharma	Environment Engineering II	Gnomio	2018
S S Pathak	Systems Approach in Civil Engineering.	Gnomio	2018

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
A G Charbhe	Fluid Mechanics II	Gnomio	2018
A B Taksande	Structural Design III	Gnomio	2018
R R Khandelwal	Basic Civil & Environmental Engineering	Gnomio	2018
S S Ramteke	Basic Civil & Environmental Engineering	Gnomio	2018
S J Payghan	Basic Civil & Environmental Engineering	Gnomio	2018
S V Birajdar	Basic Civil & Environmental Engineering	Gnomio	2018
S G Katwa	Structural Design III	Gnomio	2018
H S Mandwe	Strength of Material	Gnomio	2018
A S Nangare	Structural Design I	Gnomio	2018
B D Pardeshi	Surveying	Gnomio	2018
S S Patil	Fluid Mechanics II	Gnomio	2018
A R Chavan	Advanced Concrete Technology	Gnomio	2018
A B Abhale	Data structure	Wordpress	2018
V L Mane	Problem solving and object oriented programming	Gnomio	2018
Vishnupriya G S	Database management system	Gnomio Wordpress	2018
A K Kapasi	Machine learning	Gnomio Wordpress	2018
N W Bhatambre	Human computer interaction	Gnomio	2018
A B Kalyanshetti	Information and Cyber Security	Gnomio	2018
A A Jajoo	Data structure	Gnomio	2018
A K Saxena	Human Computer Interaction	Gnomio Wordpress	2018
K D Bamane	Software Engineering	Gnomio Wordpress	2018
Dr. M A Pote	Software Engineering	Gnomio	2018

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
Dr. P S Patil	Database management system	Gnomio	2018
K P Bang	Computer Organisation and architecture	Gnomio Wordpress	2018
K. M. Jadhav	Electromagnetics	Gnomio	2018
M. M. Karad	Basic Electronics Engineering.	Gnomio	2018
Aparna Shinde	Microcontrollers	Gnomio	2018
Usha A. Jadhav	Microcontroller	Gnomio	2018
Trupti Wagh	Electronics Devices & Circuits	Gnomio	2018
Sayali Mane	Electromagnetics	Gnomio	2018
Manisha Rajput	Signals & Systems	Gnomio	2018
V. M. Lakshe (Bagal)	Microcontroller	Gnomio	2018
Rohini Gaikar	Data Structure and algorithms	Gnomio	2018
Snehal Gaikwad	Digital Electronics, Digital Communication	Gnomio	2018
Yogesh Shirke	Signals & Systems, Computer Networks & Security	Gnomio	2018
Aditi Chaudhuri	Digital Electronics, Radiation & Microwave Technology	Gnomio	2018
Rutuja Deshmukh	Electronic Devices & Circuits	Gnomio	2018
Prabhu Reddy	Digital Communication	Gnomio	2018
Sagar Bhavsar	Mechatronics	Gnomio	2018
Prashant Titare	Embedded System and Real Time Operating System	Gnomio	2018
Raosaheb Pawar	Artificial Intelligence	Gnomio	2018
Kishor Bhanagale	Data structures and algorithms	Gnomio	2018
Lina Desai	Digital Signal Processing	Gnomio	2018
Swati Aswale	VLSI & Design	Gnomio	2018

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
	Technology		
Shilpa Jagtap	Electronic system Design	Gnomio	2018
Shailaja Yadav	Artificial Intelligence	Gnomio	2018
P R Padave	Ergonomics and Human Factors in Engineering	Gnomio	2018
Dr. V A Kulkarni	Manufacturing Processes	Gnomio	2018
Dr. G K Jadhav	Advanced Production Technology	Gnomio	2018
Dr. N K Kamble	Mechanics of Material	Gnomio	2018
Y G Kamble	Computer Integrated Manufacturing	Gnomio	2018
N M Mahajan	Product Development	Gnomio	2018
M N Mathapati	Operation Research	Gnomio	2018
J M Khade	Material Science	Gnomio	2018
S V Bhosale	Automobile Engineering	Gnomio	2018
R P Jadhav	Mechatronics and Robotics	Gnomio	2018
V J Dhembre	Manufacturing Processes	Gnomio	2018
Dr. N A Deshpande	Information System and Engineering Economics	Gnomio	2018
Dr. K Shaw	Discrete Mathamatics	Google classroom, Gnomio	2018
Dr. V G Kottawar	Computer organization and Architecture, Data Structure and Algorithm	Google classroom	2018
D. A. Phalke	Object Oriented Programming	Google classroom	2018
V. L. Kolhe	Theory of Computation	Google classroom	2018
S S Somwanshi	Mobile Communication,	Google classroom	2018


Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
	Data Analytics		
D M Gohil	Computer Networks	Google classroom	2018
D A Chaudhari	Data Mining and Warehousing	Google classroom	2018
D D Rane	Digital Electronics & Logic Design	Google classroom	2018
S Guru	Computer Organization and Architecture , Data Mining and Warehousing	Google classroom	2018
N S. Patil	Data base Management System	Google classroom	2018
P V. Ghaste	Artificial Intelligence and Robotics, Software Engineering & Project Management	Google classroom	2018
A A Kalia	Artificial Intelligence and Robotics, Software Engineering & Project Management	Google classroom	2018
S K Kadam	Information System and Engineering Economics ,Discrete Mathamatics	Google classroom	2018
V A Metre	High Perfomance Computing,Object Oriented Programming	Google classroom, Gnomio	2018
V U Uttarwar	Theory of Computation , Data Analytics	Google classroom	2018
S V Kurde	Object Oriented Programming	Google classroom, Gnomio	2018
P B Deshmukh	Computer Networks	Google classroom	2018
Vivek T. Patil	Data base	Gnomio	2018

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
	Management System		
P M Deshpande	Mobile Communication	Google classroom	2018
J K Shimpi	High Performance Computing	Google classroom	2018
Dr. R S Hingole	Design of machine Elements-I	Gnomio	2018
S R Deodas	Turbo Machines	Gnomio	2018
Dr. S S Sarnobat	Operations Research	Gnomio	2018
Dr. T Dey	Computational Fluid Dynamics	Gnomio	2018
Dr. V S Jatti	Dynamics of Machinery	Gnomio	2018
A K Battu	Strength of Materials	Gnomio	2018
S K Dhamale	Design of machine Elements-I	Gnomio	2018
N R Pawar	Engineering Graphics	Gnomio	2018
S. V. Ghogardare	Hydraulics & Pnumatics	Gnomio	2018
S K Bawage	Hydraulics & Pnumatics	Gnomio	2018
R S Lahane	Dynamics of Machinery	Gnomio	2018
S D Bhosale	Metrology and Quality Control	Gnomio	2018
M S Dhanraj	Engineering Graphics	Gnomio	2018
V V Phule	Numerical Methods of Optimization	Gnomio	2018
S S Patil	Theory of Machine-II	Gnomio	2018
A K Pathak	Turbo Machines	Gnomio	2018
S S Patil	Computer Aided Design Computer Aided Manufacturing Automation	Gnomio	2018
L P Khose	Computer Aided Design Computer Aided	Gnomio	2018

Name of the Teacher	Name of the Module	Platform on which Module is Developed	Year of Launching E- Content
	Manufacturing Automation		
R S Ralebhat	Heat transfer	Gnomio	2018
S V Thakur	Thermodynamics	Gnomio	2018
B N H	Material Science	Gnomio	2018
D K Sharma	Thermodynamics	Gnomio	2018
S M Desai	Engineering Graphics	Gnomio	2018
D S Patil	Thermodynamics	Gnomio	2018
S Y Taware	Strength of Materials	Gnomio	2018

Annexure –II: Stakeholders Feedback

a. Stakeholders feedback: Students (Internal)




D. Y. PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE –44.
DEPARTMENT OF COMPUTER ENGINEERING


S

Students' Feedback Analysis (A.Y. 2017-18, Sem-I)

Name of Department	Computer Engineering	Date:	10/10/2018
Division	BE B	Name of faculty	Ms.Vishakha Metre
		Subject:	DAA

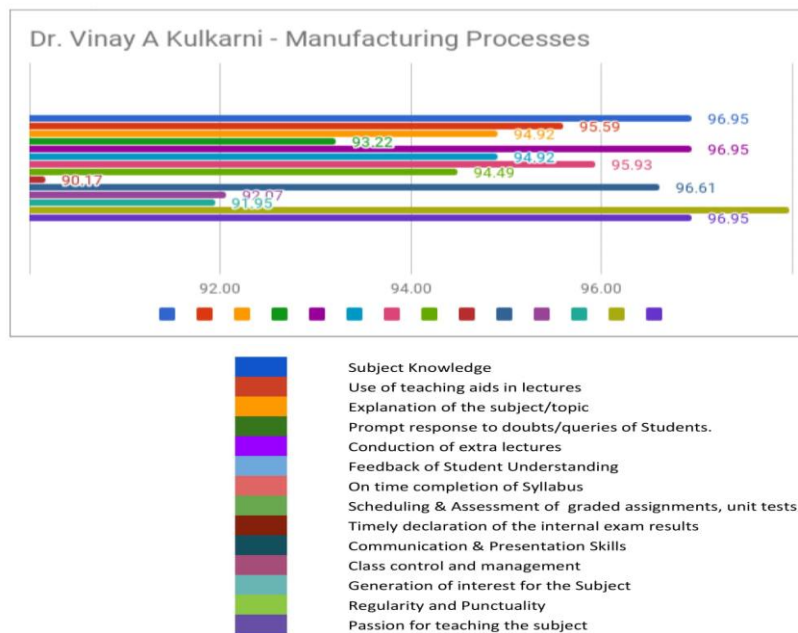
Sr. No.	Parameters Evaluated	10	9	8	7	6	5	4	3	2	1	0	Total	% Feedback	Grade		
1	Punctuality & Regularity	14	13	8	3	2	0	2	0	0	0	0	362	86.2	A+		
2	Subject Knowledge	6	18	11	6	0	0	1	0	0	0	0	356	84.8	A+		
3	Enthusiasm in Teaching	11	14	9	3	5	0	0	0	0	0	0	359	85.5	A+		
4	Feedback of understanding of	6	17	9	6	1	3	0	0	0	0	0	348	82.9	A+		
5	Overall Control on class	8	12	12	5	2	3	0	0	0	0	0	346	82.4	A+		
6	Motivation to learn the subject	10	13	8	6	1	1	3	0	0	0	0	346	82.4	A+		
7	Timely completion of syllabus	3	9	8	10	4	5	2	0	1	0	0	304	72.4	A		
8	Efforts for improving the academic	3	12	13	4	7	1	1	0	0	0	1	321	76.4	A		
9	Communication Skill	6	17	14	3	1	1	0	0	0	0	0	357	85.0	A+		
10	Availability outside the classroom	7	15	9	6	2	2	0	0	0	0	1	341	81.2	A+		
Grand Total out of											4200	3440	Total Grading / 10				
No. of Students Given Feedback (User Input)													42	A+	8		
% Feedback Grade:													Overall Feedback (in %)		81.9	A	2
A+ : 80 -100, A : 70 - 79.9, B+ : 60 - 69.9, B : 50 - 59.9, C : Less than 50													Overall Students Feedback Grade		A+	B	0
														C	0		
Name of Faculty Feedback Coordinator:													Dr.Manish Sharma Mr.R.P.Jadhav				
Signature of Faculty Reporting Feedback with Date:													 				

b. Stakeholders feedback: Students (External)

	<p>D Y PATIL COLLEGE OF ENGINEERING AKURDI, PUNE Online Feedback 2017-18</p>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Name of Department:</td> <td>DYPCOE[SE]</td> </tr> <tr> <td>Name of Faculty:</td> <td>Dr. Vinay A Kulkarni</td> </tr> <tr> <td>Date of Feedback:</td> <td>3/22/2018</td> </tr> <tr> <td>Subject & Division :</td> <td>Manufacturing Processes</td> </tr> <tr> <td>Academic Year:</td> <td>2017-18</td> </tr> <tr> <td>Semester:</td> <td>I</td> </tr> </table>		Name of Department:	DYPCOE[SE]	Name of Faculty:	Dr. Vinay A Kulkarni	Date of Feedback:	3/22/2018	Subject & Division :	Manufacturing Processes	Academic Year:	2017-18	Semester:	I
Name of Department:	DYPCOE[SE]												
Name of Faculty:	Dr. Vinay A Kulkarni												
Date of Feedback:	3/22/2018												
Subject & Division :	Manufacturing Processes												
Academic Year:	2017-18												
Semester:	I												
<p>Report based on 59 responses</p>													
Sr. No.	Parameters	Grade	Comment	Comment									
Part A: Knowledge Assessment													
1	Subject Knowledge	A+	You are excellent. Keep it up.	Excellent									
2	Use of teaching aids in lectures, viz; PPTs / Case Study / Quizzes / Exercises / Web-tools / Role play etc.	A+	You use effective combination of teaching aids. Keep up the same practice.										
3	Explanation of the subject/topic	A+	Your explanation of the subject is very effective. Keep it up.										
4	Prompt response to doubts/queries of Students.	A+	You motivate students to ask questions and clarify their doubts well. Keep it up.										
5	Conduction of extra lectures, personal counselling sessions, surprise tests etc. to monitor the academic progress of the students.	A+	You take all the efforts to test the knowledge and understanding of the students. Keep it up.										
6	Use of various means and ways to understand whether the students have understood his/ her teaching during the lecture.	A+	You always ensure that every point of explanation has been understood. Keep it up.										
7	On time completion of Syllabus	A+	You complete all the syllabus in time. Keep it up.										
8	Execution of right number of uniformly scheduled, graded assignments, unit tests, class tests, surprise tests, mock tests, moodle tests etc.	A+	You regularly arrange tests at defined intervals. In addition to that you evaluate performance based on questionnaire. Keep it up.										
9	Timely declaration of the internal exam results (Unit tests, class tests etc.)	A+	You always declare results promptly and explain mistakes very well. Keep it up.										
Part B: Skills Assessment													
10	Communication & Presentation Skills	A+	You have excellent communications skills. Keep it up.										

11	Class control and management	A+	You have extremely well class control and discipline. Keep it up.	Excellent
12	Generation of interest for the Subject	A+	You add interest and maintain flow of topic well. Keep it up.	
Part C: Attitude Assessment				
13	Regularity and Punctuality	A+	Your punctuality is appreciated. Please keep it up.	Excellent
14	Passion for teaching the subject	A+	You are a hard core teacher. You have a strong passion from within for teaching and for students. Keep it up.	

Faculty Feedback Analysis



Student Suggestions for faculty improvements

Sr. No.	Comments
1	he is the most hardworking teacher.
2	NO
3	OK

c. Stakeholders feedback: Parents



D. Y. PATIL COLLEGE OF ENGINEERING, Akurdi

Department of Instrumentation & Control

DATE: 11th August 2018

REGISTRATION & FEEDBACK FORM FOR THE PARENT-TEACHERS MEET 2018

नोंदणी व अभिप्राय

Name of the Parent (पालकांचे नाव): Prabha Thorat
Occupation(व्यवसाय): Teacher
Designation(हद्द): MSC. Biochemistry.
Address (पत्ता): H-302 Dwartavishwa
Indrayaninager, Bhusari, Pune
Cell no.(मोबाइल नंबर): 9921475458 e-mail(ईमेल): vayuthorat u@gmail.com

Content/Matter covered during the Parent- Teachers Meet

(पालक शिक्षक मेळाव्यात चर्चेत आलेले विषय)

- 1) Online exam
- 2) FDC
- 3) Marks message
- 4) overall performance

1. Parents view about the Department. (विभागाबद्दल पालकांचे मत)

Good

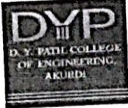
2. Suggestions from Parents.(पालकांचा अभिप्राय)

- 1) About marks message
- 2) Exam Date

Prabha Thorat
Signature (सही):

11 Aug 18
Date (दिनांक):

d. Stakeholders feedback: Employers



D.Y. Patil College of Engineering, Akurdi, Pune
Department of Instrumentation & Control

Employer Curriculum Feedback

1. What will you grade to the content of the department curriculum?
Excellent Very good Good Satisfactory

2. Do the theoretical concepts in the curriculum meet your requirement of expectation?
YES NO

3. Does the curriculum meet to develop all the fundamental practical skills for an Enterprise?
YES NO

4. Does the curriculum address all the professional Etiquettes?
YES NO

5. Do you feel the need for supplement Add-on courses to the existing Curriculum?
YES NO

If yes, What practices would be appropriate to offer such Enrichment Programs, please tick


- 1. Workshops
- 2. Guest lecture
- 3. Industrial Visit to have exposure of latest technologies
- 4. Alumni Interaction for current trends in industries
- 5. Pedagogical activity
- 6. Seminars

• Any Other Suggestions

Name of Employer: *Instron Technologies LLP.* Date: *16/02/2018*
Sign: *Rahul.* Place:

Annexure –III: Stakeholders Feedback

Stakeholders feedback: Alumni



DY Patil College of Engineering, Akurdi, Pune
Alumni Feedback Form related to Curriculum Outcome

Date: 22/9/17

Name of Alumni: Sanchita Badkas Dept: Computer Year of Passing: 2017
 Contact No: 8975311965 email: sanchibadkas@gmail.com
 Present Working Organization: CDK Global
 Designation: Member Technical.

1) Did you realize Curriculum Gaps, during your professional career? If yes which are they?
Programming languages are not explored in deep in the curriculum. Also, many of the technologies used in the industry are not even mentioned.

2) After going through present curriculum, which are the curricular gaps that may affect students professional career in future?

3) Relate POs, PSOs (As per attached documents herewith) possible attainment level with existing curriculum.

POs	Attainment Level			POs	Attainment Level		
	Low (1)	Moderate (2)	High (3)		Low (1)	Moderate (2)	High (3)
1.		✓		7.			✓
2.			✓	8.			✓
3.		✓		9.			✓
4.	✓			10.			✓
5.	✓			11.			✓
6.		✓		12.			✓

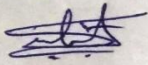
(Tick wherever applicable)

PSOs	Attainment Level			PSOs	Attainment Level		
	Low (1)	Moderate (2)	High (3)		Low (1)	Moderate (2)	High (3)
1		✓		2			✓
3			✓	4			✓
5			✓	6		✓	

(Tick wherever applicable)

4) Which course (subjects studied) you are finding useful and demanding in your career
Data structures, Software Engineering

5) Suggestions for forming vision and mission statements

Name and Sign of Alumni
Sanchita Badkas


Annexure –IV: Research Publications

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING				
Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
1.	Dr. P. Malathi A Awathare	Development of an Offline Simulation Tool to Test on Board Diagnostic Software for BS-VI	Journal on Software Engineering	2018
2.	Dr. P. Malathi H Kumbhar	RealTime Hand Gesture Control wireless system with ANN	Journal of microcontroller, Engineering and application	2018
3.	Dr. D G Khairnar P.D. Waghmare, B. A. Vispute	Improvement in the Fuel Economy through Load Based Speed Control Feature	International Journal of Pure and Applied Mathematics	2018
4.	Dr. D G Khairnar P.D. Waghmare, B. A. Vispute	Load based speed control feature to improve fuel economy of vehicle	Journal of Automobile Engineering and Applications	2018
5.	S. N. Mane	Comparative study of secure routing protocol for MANET: A review”	International Journal of Computational Engineering Research	2018
6.	S. N. Mane	Secure MANET Routing with black hole avoidance	International Journal of Advance Research in Science and Engineering	2018
7.	K. B. Bhangale, R. P. Pawar, S S Bhavsar	Synthetic Speech Spoofing Detection Using MFCC And Radial Basis Function SVM	IOSR Journal of Engineering	2018
8.	K. B. Bhangale, K. M. Jadhav	Robust face recognition using DCP and LBP	IJM TES International Journal UGC Approved.	2018
9.	Dr. P Malathi. P.H. Kulkarni, D. Kadam	To Maximize Energy Efficiency in WSN using ACO	International Conference on Computing, Communication, Control and Automation -2017	2017
10.	Dr. P Malathi H Kumbhar	The Virtual Touchpad: Real Time Wireless Embedded Hand Gesture Control System Using ANN	International Conference on Emerging Trends in Science, Engineering and Technology - 2018	2018

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
11.	U A Jadhav H. Malage	Implementation of reusable FM0/Manchester encoding using SOLS technique for DSRC application.	International Conference on Emerging Trends in Science, Engineering and Technology - 2018	2018
12.	K. M. Jadhav K. B. Bhangale	Robust face recognition using DCP and LBP	2nd International Conference on Emerging Trends in Science, Engineering & Technology	2018
13.	S S Jadhav Y. S. Danekar	Forging Simulation of Flywheel using AFDEX software	2nd International Conference on Emerging Trends in Science, Engineering & Technology	2018
DEPARTMENT OF CIVIL ENGINEERING				
14.	Dr. S. S Datta, D. Roy, G. Vinoth	Effect of microbial activities on permeability of sand	Geo-environment and Geo-hazard (Springer)	2018
15.	Dr. S. S Datta, D. Roy, S. Roy	Effect of Biogenic Gas on Skempton's Pore Pressure Parameter Bw	ASCE - Geotechnical Special Publication	2018
16.	S. V. Pataskar, S. Poredi	PPP model for Construction and Development of DP roads in PCMC on Development TDR basis	International Journal for Science and Advance Research in Technology	2018
17.	S. V. Pataskar, P. Shinkar	Study of Economical & social impact of BRTS & Feeder system on Aundh Ravet Road	International Journal for Science and Advance Research in Technology	2018
18.	Dr. A. Y. Pisal	Review of Critical Design Provisions of IS 1893 (Part 4): 2015	The Indian Concrete Journal	2018
19.	A. R. Patil, S. H. Khureshi, S. S. Mahale, P. M. Kale	Study of Physio-Chemical and Bacteriological analysis of indrayanmi river at Alandi, Pune district (Maharashtra) India	International research Journal of Engineering and Technology	2018
20.	V. V. Panchal, V. B. Kulkarni, A. Kulkarni, A. Kumar	Use of Construction Demolition waste in pavement	International Journal of Advanced Research in Science, Engineering and Technology	2017

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21.	A.S Hiremath	Behaviour of Confined Aggregate Concrete The reuse of Waste Tire Tread Cylinders for Confined Aggregate Concrete	International Journal of Trend in Research and Development,	2017
22.	A. R. Patil	Assessment of Water Quality Index of Indrayani River, Alandi, Pune, Maharashtra	International Journal of Science, Engineering and Technology Research	2018
23.	S. S Pathak, S. Sawant	Construction Management Software Packages in India (Risk Management)	International Journal of Engineering Research & Technology	2018
24.	S. S Pathak, S. Sawant	Performance management through Quality Measurement at Construction Site, Pune	International Journal of Engineering Research & Technology	2018
25.	S. S Pathak, S. Sawant	Study of Risk Factor in Infrastructure Projects of Pune Region (Using Relative Importance Index)	International Journal of Engineering Research & Technology	2018
26.	S. J. Payghan, M. Gurav, S. Gavali, R. Bramhane	Performance of square footing under axial & eccentric footing on Non- Cohesive Soil	International Journal of advanced research and innovative ideas in education.	2018
27.	S. V Pataskar, S. Londhe	Comparative Analysis of Integrated Township	International Journal for Science and Advance Research in Technology	2018
28.	S. V Pataskar, D. Patil	Pedestrian Safety Audit at Construction site in Urban Area (case study of Construction of subway on SangviKiwale road at Kaveri Nagar)	International Journal for Science and Advance Research in Technology	2018
29.	A. R Chavan	Study of Factors for Cost Overrun in Road Construction Projects	International Journal for Scientific Research & Development	2018
30.	A. R Chavan	Experimental and Comparative Study of Beams Strengthen with Traditional Techniques (CFRP) and NDT	International Journal of Innovative Research in Science, Engineering and Technology	2018

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DEPARTMENT OF COMPUTER ENGINEERING				
31.	Dr. K. Shaw, P. Chaudhary,	A Survey on Image Enhancement Techniques Using Aesthetic Community	American Institute of Steel Construction Springer	2018
32.	S. Popat, V. A Metre , P. B Deshmukh	Hierarchical Document Clustering based on Cosine Similarity measure	IEEE International Conference on Intelligent Systems and Information Management	2017
33.	Dr. V G Kottawar	Extraction of whole and torn meniscus in MRI images and detection of meniscal tear	IEEE International Conference on Intelligent Systems and Information Management	2017
34.	Dr. V. G Kottawar	Automatic articular cartilage segmentation with multiple model	IEEE International Conference on Intelligent Systems and Information Management	2017
35.	V. A Mhetre , S. Popat, P. Deshmukh	Optimization of Document Clustering using UNL Document Vector Generation and Swarm Intelligence	IEEE Xplorer, 3rd International Conference on Computing, Communication, Control And Automation	2018
36.	Dr. K. Shaw, P. P. Dahake, Dr. P. Malathi	Medical Data Privacy and Disease Prediction Using Advance Encryption and Machine Learning Approach	International Journal of Pure and Applied Mathematics	2018
37.	D. A. Phalke	A Systematic review of near duplicate video retrieval techniques	International Journal of Pure and Applied Mathematics	2018
38.	D. M Gohil	Security issues in IoT layers and its applications : A Review	International Journal of Pure and Applied Mathematics	2018

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39.	R. Y Pawar	Detection of malicious Applications on Linux Powered devices using SVM Classifiers	International Journal of Pure and Applied Mathematics	2018
40.	D. D Rane	Survey on home based monitoring system using internet of things	International Conference on Emerging Trends in Science, Engineering and Technology	2018
41.	D. D Rane	Survey on Data management in healthcare using internet of things	IEEE Xplorer, 4th International Conference on Computing, Communication, Control And Automation 2018	2018
42.	A. Pushka, D. A. Phalke, A. Bharti, Anshika, R. Jagnani	Literature survey on Automatic Emergency Service System	International Conference on Advances in Computer Technology and Management	2018
43.	V. L. Kolhe, Bhagyashree A. T.	Controlling the Drone with Hand Gestures by using Leap Motion	International Conference in Emerging Trends in Electrical and Computer Technology 2018	2018
44.	B. Thakur A. Chuhan, T. Y. Swati Nilange D. A. Chaudhari	Survey on Information Retrieval Query on cloud Data	6th International Conference on Recent Trends in Engineering & Technology	2018
45.	S. K. Kadam	Review of Distributed Ledgers: The technological Advances behind crypto currency	International Conference on Advances in Computer Technology and Management	2018
46.	D. M. Gohil	Review on Routing Performance Matrices, Tools, Security Attacks and Defense Mechanisms in Context of Internet of Things	4th International Conference On Computing, Communication, Control And Automation	2018

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47.	D.A Chaudhari, D. D Rane	Survey on Data Management for Healthcare using Internet of Things	4th International Conference On Computing, Communication, Control And Automation	2018
48.	P. Kulkarni, Dr. N. A Deshpande	A survey on online symptoms information and health related question for disease inference system	International Journal of Advance Research and Innovative Ideas in Education	2018
49.	T. Naskar, Dr. N. A Deshpande	A survey on single and multi speaker voice recognition in Android	International Journal of Advance Research and Innovative Ideas in Education	2018
50.	P. S. Padwal, Dr. N. A. Deshpande	Feature Learning and Collaborative Tagging Using Non-Personalized Social Media Images and Tags	International Journal of Innovative Research in Computer and Communication Engineering	2018
51.	R. Dharwadkar, Dr. N. A. Deshpande	Pharmabot - A Recommendation on General Medicines– Survey	International Journal of Innovative Research in Computer and Communication Engineering	2018
52.	P Padwal, Dr. N A Deshpande	Survey on Convolution network	International Journal of Innovative Research in Computer and Communication Engineering	2018
53.	S. Chithore, D. A. Phalke	Sentiment Analysis with Multilayer Perceptron using Emoticon Space Model	International Journal of Advance Engineering and Research Development UGC Approved	2018
54.	A. Khapare, D. A. Phalke	Source camera based image retrieval from Internet using Simplified Total Variation	International Journal of Advance Engineering and Research Development	2018
55.	S. Sonkale, V. L. Kolhe	Fine-Grained Knowledge sharing mechanism with hierarchical structure using iterative d-iHMM	International Journal of Advance Engineering and research development	2018
56.	D. Sonali S. V. L. Kolhe	Securing Constrained IoTs data	International Journal for Research in Applied Science & Engineering	2018

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57.	R. Tupe, D. A. Phalke, R. Rathod, J. Narsale, P. Gaikwad	Optimize Video Encryption for Transmission	International Journal of Innovative Research in Science, Engineering and Technology	2018
58.	S. Kamble, D. A Phalke	Inference Attack on users Browsing history with friend recommendation system in twitter	International Journal of Innovative Research in Computer and Communication Engineering	2018
59.	P. Raoot, V. L. Kolhe	Location based services using productive filtering and review analysis	International journal of innovative research in Science, Engineering & Technology	2018
60.	P. S. Kulkarni, V. L. Kolhe	Functional association rule mining using cooperative co-evolutionary deep neural networks	International Journal of Advance Engineering and research development	2018
61.	A. S. Birajdar, V. L. Kolhe	Majority vote point classification of network data based on multivariate correlation analysis	Journal Of Applied Science And Computations	2018
62.	A. Shreyas, P. Gaikwad, M. Pearl, S. Shinde, V. L. Kolhe	Event information extraction from e-mail and updating event in calendar	International Journal of Advance Research and Innovative Ideas in Education	2018
63.	B. A. Tingare V. L. Kolhe	Survey on hand gestures recognition using leap motion controller	International Journal For Scientific Research And Development	2018
64.	S. Suryawanshi V. L. Kolhe	A survey on image scrambling encryption technique	International Journal of Advanced Research and Development	2018
65.	S. Suryawanshi, V. L. Kolhe	Providing protection on cloud video surveillance using blowfish algorithm	International Journal of Innovative Research in Computer and Communication Engineering	2018

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66.	A. Athawale, D. M Gothawal	Spam detection on collection of twitter data using naive bayes algorithm	International Journal of Innovative Research in Science, Engineering and Technology	2018
67.	A. Athawale, D.M Gothawal	Survey on various unsupervised learning techniques for anomaly Detection	International Journal of Innovative Research in Computer and Communication Engineering	2018
68.	D. M Gohil, S. V. Nagaraj	Security issues in IoT layers and its applications : A Review	International Journal of Pure and Applied Mathematics	2018
69.	P. Mathur, S. H. Patil, D. Shinde	Prediction of presence of heart disease using wearable device	International Journal of Advanced Trends in Technology, Management and Applied Science	2018
70.	T. Mahajan, S. Rodge, S. S Pawar, A. Mangukiya, D. A. Chaudhari	Review paper on multi keyword top -K search over encrypted cloud data	International Engineering Research journal	2018
71.	S. Awate, M. Joshi, P. Gathe, P. Bortne, D. A. Chaudhari	Survey on smart swim aqua monitor	International Journal of Advanced Trends in Technology, Management and Applied Science	2018
72.	R.Y Pawar	Detection of malicious applications on linux powered devices using SVM Classifiers	International Journal of Pure and Applied Mathematics	2018
73.	V. U. Uttarwar, D. M. Patil	User preference based network selection in wireless networks	International Research Journal of Engineering and Technology	2017
74.	R. Y. Pawar, J. K. Shimpi, S V Kurde	Ontology Mapping Using Natural Language Processing For Crop Cultivation.	International Journal of Research In Science & Engineering	2018

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75.	V U Uttarwar, D. M. Patil	Alleviation of DDoS attack using advance technique	Conference 2017 International conference on Innovative mechanisms for industry applications	2017
DEPARTMENT OF MECHANICAL ENGINEERING				
76.	V. Gaikwad, Dr. V. S. Jatti	Optimization of material removal rate during electrical discharge machining of cryo-treated niti alloys using taguchi's method	Journal Of King Saud University-Engineering Sciences. Vol. 30 (3), Pp.266-272.	2018
77.	M. Laad, Dr. V. S. Jatti	Titanium oxide nano-particles as additives in engine oil	Journal Of King Saud University-Engineering Sciences. Vol. 30 (2), Pp.116-122.	2018
78.	R. B. Iyer, Dr. V. S. Jatti, Y. Yadav, A. Verma, J. Desai, C. P. Dewan	Design optimization of cad model.	Materials Today: Proceedings, 4 (8): Pp. 7357-7364.	2018
79.	Dr. P. T. Nitaware, J.G. Suryawanshi	Effect of exhaust gas recirculation on performance and emission characteristics of spark ignition engine using hydrogen and CNG Blends.	Springer Publication Journal Of The Institution Of Engineers (India): Series C. Ieic-D-15-00012	2018
80.	Dr. S. S. Sarnobat, H. K. Raval	Prediction of surface roughness from cutting tool vibrations in hard turning of aisi d2 steel of different hardness with conventional and wiper geometry cbn inserts	Journal of Applied Mechanical Engineering	2018
81.	P. Bichkar, O. Dandgaval, P. Dalvi, R. Godase, Dr. T. Dey	“Performance evaluation of shell and tube heat exchanger by varying types of baffles and mass flow rate	Procedia Manufacturing	2018

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82.	S. Kokarna, Dr. S. S. Sarnobat	A Review on the residuals stresses present in welded joints, international research journal of engineering and technology	International Journal Of Scientific & Engineering Research	2018
83.	Dr. N. K. Kamble, B. U. Sonawane, B. B. Ahuja, Dr. S. S. Sarnobat	Grey relational analysis for fluid assisted blank holding system in deep drawing process for al alloy 1050 by using a numerical simulation	Int. J. Manufacturing Technology And Management	2018
84.	S. V. Thakur, R. V. Thakur	Natural convection heat transfer by heated plate using different types of notched fin arrays—a review	Asian Journal Of Convergence In Technology, Volume 4, Issue 1, 2018.	2018
85.	S.V. Thakur, R. V. Thakur, S. M. Lawankar	Optimization of process of biodiesel produced via acid catalysts using sulfuric acid, hydrochloric acid and nitric acid	Asian Journal Of Convergence In Technology, Volume 4, Issue 1, 2018.	2018
86.	A.R Chaple, V.Rathod, S. Janotkar, N. Daundkar, A. Mahajan	“Power generation using piezoelectric material” ,	International Research Journal Of Engineering And Technology	2018
87.	D. K Sharma	“Bladeless turbine for low pressure recovery” ,	International Journal Of Modern Trends In Engineering And Research	2018
88.	D. K. Sharma, A. K. Pathak	“Experimental experimental and theoretical analysis of triple con-centric tube heat exchanger” ,	International Journal of Advance Research and Innovative Ideas in Education	2018
89.	S. V. Channapattana , T. Dey, Dr. S. S. Sarnobat	Heat transfer performance analysis of screen mesh wick heat pipe using cuo nanofluid european journal of sustainable development research	European Journal of Sustainable development research	2018

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90.	L.P Khose , V.V Phule	“Comparative study of dielectric fluid in powder mixed electro – discharge machining”	International Journal For Scientific Research & Development	2018
91.	R. S. Lahane	‘Design and vibration analysis of screw compressor’, international journal of advance research and innovative ideas in education,	International Journal of Advance Research and Innovative Ideas in Education	2018
92.	A. K. Pathak, P Sawant	“Design and analysis of a centrifugal separator for the separation of pith from bagasse”	International Journal Of Research And Scientific Innovation	2018
93.	R.R Ralebhat	Kinetic energy recovery system for automobile suspension	International Journal of Mechanical and Production Engineering	2018
94.	R.R Ralebhat	Reduction of machining rejection of shift fork by using seven quality tools	International Journal of Innovative Research in Science, Engineering and Technology	2018
95.	S. V. Thakur, R. V. Thakur	Natural convection heat transfer by heated plate using different types of notched fin arrays—a review	Asian Journal Of Convergence In Technology	2018
96.	S. V. Thakur, R V. Thakur, S. M. Lawankar	“Optimization of process of biodiesel produced via acid catalysts using sulphuric acid, hydrochloric acid and nitric acid.”	Asian Journal Of Convergence In Technology	2017
97.	S. V. Thakur, R. V. Thakur, S. M. Lawankar	Solar based refrigeration and air conditioning : ejector based and Idac approach	Asian Journal Of Convergence In Technology	2018
98.	S. K. Dhamale, N. H. Bhingare	A Review on design and analysis and optimization of helical compression spring for suspension system."	Published In International Journal Of Trend In Research And Development	2018
99.	D. K. Sharma	“Bladeless turbine for low pressure recovery”	International Journal Of Modern Trends In Engineering And Research	2018

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100.	V. V. Diware, A. Sabale	Brooding systems in poultry farm a review	International Research Journal of Engineering and Technology	2018
101.	V. V Diware, M. Chettiyar	Analysis and material optimization of steering knuckle using FEA”	International Conference on New Era in Technologies, Science and Role of Management	2018
102.	R. Kadge, V. Mohale, K. Kakade, P. Biradar, S. Y Taware	Split casing open differential without cross pin and it’s comparison with single piece casing differential	International Research Journal Of Engineering And Technology	2018
103.	S. Y Taware, A. Chiwade, S. Kshirsagar, S. Kulkarni	Design modelling and manufacturing aspect of honeycomb sandwich structure by using aluminum	International Research Journal Of Engineering And Technology	2018
104.	A. A. Hase, M. M. Mirza, D. C. Akiwate	Vibration measurement of flexible narrow tube under acoustic excitation	Md Infotech Special Edition	2018
105.	D. Patil, S. S Patil, V. Chopade	Forming analysis using pamstamp 2g ,	Journalnx - A Multidisciplinary Peer Reviewed Journal	2018
106.	S. S. Patil, D. S. Patil, R. P. Patil	Dehumidification and air conditioning using heat pipe	International Journal for Scientific Research & Development	2018
107.	V. V Kulkarni, M. S. Gade, L. Chindarkar,	Transmission drive for rotary union test rig	IOSR Journal of Mechanical And Civil Engineering	2018
108.	S. K. Bawage, A. Mane, M. Patil, A. Indore	Design and development of mini sugar cane lifter	International Research Journal of Engineering and Technology	2018
109.	S. K. Bawage, A. Khote, N. Lunkad, P. Murumkar	Design and fabrication of contactless energy generation using flywheel for electric vehicle	IJARIE- ISSN(O)-2395-4396 Vol -4 Issue-3 -2018	2018
110.	V. W. Bembrekar, A. Jadhav , A. Rasane ,Mirdude	Design of a wing with bell shaped span -load using vlm method	IJARIE- ISSN(O)-2395-4396 Vol -4 Issue-3 -2018	2018

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111.	L. P Khose	Design and development of portable vapour compressing refrigerator	International Journal on Emerging Trends in Technology -2018	2018
112.	Y. Gunjal, S. Daware, R. Dhadiwal, S. Ghorpade, R.R Ralebhat, Dr. T. Dey	Auxiliary system in green energy vehicle	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
113.	P. Sas, S. Kadam, Yamini, Minal, Dr. V.S. Jatti	Welding of nylon-nylon by friction stir processing	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
114.	S. K. Dhamale, N. H. Bhingare	Recent advancements in additive manufacturing: a review	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
115.	N. H. Bhingare, S. K. Dhamale	Review paper on strain recovery and energy absorbing capacity characteristics of ni-ti metal foam.	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
116.	N. A. Konda, P. Deshpande	Conducting poly (aniline-co-o-anisidine) coatings on low carbon steel: synthesis, characterization and corrosion protection studies	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
117.	R. S. Lahane	Design, development of self locking dual worm gears to evaluate performance by FDM process	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
118.	R. S. Lahane	Vibration analysis of cracks detection in composite cantilever beam	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
119.	R. V. Kathari, V. S. Hunagund	A Review - two phase flow regime transition and development of flow in micro channel	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
120.	R. Patil, S.S Patil	Design, analysis and optimization of connecting rod of diesel engines using finite element analysis	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018

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121.	N. Nitya, A. K. Pathak, D. K. Sharma	Experimental study of performance parameters for refrigerants r22, r410a and r404a at different outlet temperatures	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
122.	L. P. Khose, V. V. Phule	Stress analysis and weight optimization of connecting rod using al based composite – FEA approach	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
123.	A. Rasane, V. W. Bembrekar, Om Vaishnav, A. Jadhav, S. Mirdude	Adverse yaw stabilization in aircrafts without a vertical tail	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
124.	S. D. Bhosale	Energy saving in industry for different parameters.	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
125.	H. Patil, A. Deshmukh, S. V Ghogardare	Whirlpool eco-friendly turbine	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
126.	V. Rathod, S. Phapale, A. Shinde, P. Nirmal, S. V Ghogardare	Review paper on design and analysis of leaf shape wind turbine for energy generation	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
127.	S. Shinde, C. Wandhekar, A. Lagad, G. Khairnar, S. V Ghogardare	Performance and emission characteristics of ci engine by using nanoparticles with blended biodiesel in diesel fuel-a review study	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
128.	Dr. V. S. Jatti, V. A. Gandhe	Magneto-rheological fluid application in mechanical engineering: a review	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
129.	A. Khachane, Dr. V. S. Jatti	Optimization of turning process parameters while machining of almg1sicu using jaya algorithm	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018

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130.	Dr. V. S. Jatti, A. P. Patel	A review on application of 3d printing in biomedical field	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
131.	Dr. V. S Jatti, B. A. Patel	Importance of tool pin profiles in friction stir welding and its structural analysis	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
132.	S. S. Patil, S. Musane	Experimental analysis on impact of alcohol blends on si engine performance and emission	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
133.	V. T. Chavan, M.V. Bhoje, A. V. Zanke, N. R. Bobade , Dr. V. S. Jatti	Design and development of pick and place machine for forging application	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
134.	Dr. V. S. Jatti, S. Sudan, R. Patel, H. Shrivastav, S. Patel	Silica extraction from rice husk	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
135.	Dr. V. S. Jatti, S. J. Patil	Contact pressure analysis of crankcase gasket interface	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
136.	S. V. Thakur, R. V. Thakur, S. Desai	A systematic implementation of lean manufacturing technique: a case study	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
137.	S. S. Nandre, Dr. R. S. Hingole	Analysis of fuel energizer for improving efficiency in the application of motor-cycles	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
138.	A. Jadhav, Dr. R. S. Hingole	Preparation and characterization of nanofluids	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
139.	S. M Desai, S. Gaikwad, R. Bhosale	Influence of forging and machining parameters on biodegradability of mg-ca1.0 biodegradable alloy	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018

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140.	S. D Marjapure	Oil cooling in hydraulic system using heat pump	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
141.	S. R. Lonkar, S. A. Sahare, P. S. Baraskar, S. V Ghogardare	Improving plant capacity and productivity along with automation in filter line	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
142.	R. Nalawade, Dr. D. R. Panchagade	Design and optimization of bearing bush die	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
143.	N. Phalle, S. R. Deodas	Experimental investigation of forced convection heat transfer enhancement system with flow divider type insert in circular pipe	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
144.	S. Mogal, S. R. Deodas	Design and experimental analysis study to improve the performance of shell and tube heat exchangers using helical baffles	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
145.	P. Gatkawar. Dr. T. Dey	Biomedical application of shape memory polymer	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
146.	Dr. P. T. Nitnaware, J. P. Nitnaware, N. Bhange	Gaps and attainment of CNG fueled gasoline engine	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
147.	S. Deshpande, Dr. T. Dey	Study on factors affecting leakages through valve sealing	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
148.	N. R. Pawar , A. Harode , A. Sood, D. Kumar	Performance analysis of si engine fuelled with blend of brown gas (HHO) and gasoline fuel	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
149.	Dr. D. R. Panchagade, A. S. Tekade	Experimental analysis of si engine by HHO gas method	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018

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150.	V.V Kulkarni, S. K. Bawage	Design and analysis of input shaft of manual rice planter	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
151.	B.Y. Zope, Dr. D. R. Panchagade	Finite element analysis of cracked beam using FFT analyzer	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
152.	P. M. Shinde, G. S. Yeole, A. B. Mohite, B. H. Mahajan, D. K. Sharma	Experimental and theoretical analysis of triple concentric tube heat exchanger	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
153.	V. W. Bembrekar	Micro structural analysis of friction drilled copper and aluminum component by using tungsten carbide tool	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
154.	S. S Patil, R. Patil, G. Dhuri	Mixed mode stress intensity factors for semi elliptical surface cracks in a hollow shaft subjected to torsion	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
155.	S. Sirke, R. Kumar, K. Sen, A. Kumar, D. K. Sharma	Design development fabrication of bladeless turbine for waste pressure recovery	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
156.	V. Hude, G. Awagan, A. Daundkar, S Shende, Dr. D. R. Panchagade, B. N Sadavarte	Fabrication of semi-automatic dish washing machine	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
157.	S. Musane, S.S Patil	Analytical study of power produced by seebeck effect from exhaust heat of a two-wheeler	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
158.	B. S. Pawar, R. G. Patil, V. V. Kulkarni	Fuel injection system for petrol (EFI)”	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018

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159.	B. S. Pawar, R. G. Patil, V. V. Kulkarni	Study of automotive chassis	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
160.	R. Kadge, K. Kakade, V. Mohale, P. Biradar, S.Y Taware	Design of split casing open differential without cross pin and it’s comparison with conventional differential	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
161.	A. R. Tayade, Dr. D. R. Panchagade	Design and analysis of torque limiter using 3d printed component	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
162.	A. Khade, S. Kharabe, K. Pawale, V. V Kulkarni	Review paper on grey water recycling and its utilization	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
163.	R. Kadge, S. Y Taware	Power output of split casing open differential without cross pin	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
164.	V. Mohale, S. Taware	Material selection and acceleration of vehicle with split casing open differential without cross pin	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
165.	P. G. Chaudhary, S. V. Neve, S. A. Sanap	Crash analysis on car bumper using composite material and structure	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
166.	S.S. Ohol, P. Aglawe, S. Gade	Bone fracture and its treatment using ilizarov method	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
167.	S. K. Bawage, V.V Kulkarni	A principle and working of multispeed right angle friction gear	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
168.	Dr. R. S. Hingole	Reduction of spring back effect in aluminium perforated sheet metal component	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
169.	V. V. Phule, L. P. Khose	Effect of powder mixed EDM process parameters on material removal rate of Inconel-718	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
170.	M. Gade, R. Shaikh, D. Bijamwar, S. Jambale, V.V Kulkarni	Design and analysis of suspension system components	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
171.	V. Nair, S. Nagawade, S.R Deodas	Determination of thermal conductivity of bakelite using guarded hot plate apparatus	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
172.	L. Chindarkar, S. Kharabe, S. Barhatte, D. Dhurve, V. V Kulkarni	Transmission drive for rotary union test rig	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
173.	K. Kakade, S. Y Taware	Cost estimation and acceleration of vehicle with split casing open differential without cross pin	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
174.	R. Ubale, Dr. S. S. Sarnobat	A review of minimum quantity lubrication (MQL) on machining processes	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
175.	A. Indore, M. V. Patil, A. S. Mane, S. K. Bawage	Design and development of mini sugarcane lifter	International Conference On “Innovations In Thermal Design Materials And Manufacturing Engineering”	2018
DEPARTMENT OF PRODUCTION ENGINEERING				
176.	Dr. G. K. Jadhav	Design, modeling of compact stair climbing hand cart	International Journal For Technological Research In Engineering	2017
177.	Dr. N. K. Kamble	Analysis of effect of cutting parameters of wire electric discharge machining on material removal rate and surface roughness	International Research Journal of Engineering and Technology	2018
178.	V.J Dhembare	Design and analysis of disc brake for low brake squeal	International Journal of Latest Technology in Engineering, Management & Applied Science	2018

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
179.	R. P. Jadhav	Comparative study of different types of end closures used in horizontal pressure vessels and its effect on stress levels in pressure vessel and saddle support	World Journal of Engineering Research and Technology	2018
180.	R. P. Jadhav	Increasing productivity through lean manufacturing system in industries	World Journal of Engineering Research and Technology	2018
181.	N. M. Mahajan	Performance study of powder mixed electro-chemical discharge machining on ceramic material	World Journal of Engineering Research and Technology	2017
182.	A. P. Kadam N.M. Mahajan V. H. Gurav	Measurement system analysis by gauge R and R	National Conference on Recent trends in Manufacturing & Production Engineering	2017
183.	A. S. Khonde, P. R Padave , M. Khanolkar	Implementation of kaizen to improve productivity in case of washing machine manufacturing	National Conference on Recent trends in Manufacturing & Production Engineering	2017
184.	Dr. V. A. Kulkarni, Dr. A. V. Mulay, Dr. B. B. Ahuja	Artefact based CMM evaluation: a review	National Conference on Recent trends in Manufacturing & Production Engineering	2017
185.	B. Sonawane, Dr. G. K. Jadhav, M. Gawade	Applications of coating on carbide tool for finish hard machining	National Conference on Recent trends in Manufacturing & Production Engineering	2017
186.	A. S. Lokhande, R. P. Jadhav, P. U. Chaudhari	Buffer management with the help of theory of constraints	National Conference on Recent trends in Manufacturing & Production Engineering	2017
187.	C. S. Wagale, Dr. G K Jadhav	Flexible manufacturing systems scheduling : a systematic review	National Conference on Recent trends in Manufacturing & Production Engineering	2017
188.	F. J. Shaikh, R. P. Jadhav	Study of gauge repeatability & reproducibility of collar by average & range methodology	National Conference on Recent trends in Manufacturing & Production Engineering	2017

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
189.	A. S. Halasagi, J. M. Khade, M. A. Patil	Quality plan for assembly line fixtures	National Conference on Recent trends in Manufacturing & Production Engineering	2017
190.	M. G. Ovhal, Dr. N. K. Kamble	A review paper on optimization of machining parameter for drilling of stainless steel	National Conference on Recent trends in Manufacturing & Production Engineering	2017
191.	P. H. Mahade , R. P.Jadhav, S. Jadhav	High pressure die casting: effect of process parameter on physical properties of Im24 die-casting alloy	National Conference on Recent trends in Manufacturing & Production Engineering	2017
192.	A. Shinde, R. Yadav, Dr. V. A. Kulkarni	Safety during working at height in boiler manufacturing industries	National Conference on Recent trends in Manufacturing & Production Engineering	2017
193.	V. R. Sagar, V. J Dhembare, T. Mali, M. A. Chewale	A review of dry particulate lubrication of journal bearing	National Conference on Recent trends in Manufacturing & Production Engineering	2017
194.	K. Parsewar R. P. Jadhav	Reduction in number of ultrasonic sensors used in small passenger cars	National Conference on Recent trends in Manufacturing & Production Engineering	2017
195.	S. S. Babladi, P. R. Padave, Y. S. Bhujbal	Consumable saving in tack welding	National Conference on Recent trends in Manufacturing & Production Engineering	2017
196.	R. Gulhane, S. V Bhosale, S. More	Recent trends in manufacturing and production engineering	National Conference on Recent trends in Manufacturing & Production Engineering	2017
197.	M. Hawaldar, M. N. Mathapati, S. Birajdar	Complaint reduction by process improvement in welding	National Conference on Recent trends in Manufacturing & Production Engineering	2017
198.	S. Dhawale, S. V Bhosale	Analysis of hydraulic pipe in punching machine	National Conference on Recent trends in Manufacturing & Production Engineering	2017

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
199.	R. D. Nawale, Dr. G. K. Jadhav, D. S. Sutar	Design a new gauge by combining two box type of gauges	National Conference on Recent trends in Manufacturing & Production Engineering	2017
200.	S. Jadhav S. V Bhosale	Reducing non moving stock & utilization of excess stock	National Conference on Recent trends in Manufacturing & Production Engineering	2017
201.	S. Mohite Dr. S.S. Sarnobat M. J. Patil	Implementation of lean tools using value stream mapping	National Conference on Recent trends in Manufacturing & Production Engineering	2017
202.	R. P. Kulkarni, Y. G. Kamble	A review paper on :recent trends in manufacturing and production engineering	National Conference on Recent trends in Manufacturing & Production Engineering	2017
203.	S. Vaidya , M. N. Mathapati, G. Bhandari	Standard operating procedures for compactor assembly	National Conference on Recent trends in Manufacturing & Production Engineering	2017
204.	S. Chital, N. M. Mahajan	Optimization of tube length for cost reduction	National Conference on Recent trends in Manufacturing & Production Engineering	2017
205.	A. S. Tople, Y. G. Kamble	A review paper on implementation of lean manufacturing	National Conference on Recent trends in Manufacturing & Production Engineering	2017
206.	P. P. Dhumal, Dr. G. K. Jadhav	Improvement in the flow of material	National Conference on Recent trends in Manufacturing & Production Engineering	2017
207.	S. S. Bhatt, J. M. Khade, S. Fernandes	Increase in productivity and minimization rejection rate of floats.	National Conference on Recent trends in Manufacturing & Production Engineering	2017
208.	S. Phadtare, S. Bhosale, M. Barhate	Advance manufacturing engineering and process planning: capex –capacity planning for new business / project with resources optimization.	National Conference on Recent trends in Manufacturing & Production Engineering	2017

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
209.	G. Viraj Dr. N. K. Kamble A. Siddhiqui	Improvement in process control in jigs	National Conference on Recent trends in Manufacturing & Production Engineering	2017
210.	S. M Khule, Dr. V.A. Kulkarni M. Jagtap	Process concepts for gear finish hobbing	National Conference on Recent trends in Manufacturing & Production Engineering	2017
211.	G. A. Sonune, Dr. S. S. Sarnobat, P. Dere	Nanotechnology(power and environment technology)	National Conference on Recent trends in Manufacturing & Production Engineering	2017
212.	S. R. Mande, Dr. N. K. Kamble, Sujeet Mande	Reduction of moisture in compressor	National Conference on Recent trends in Manufacturing & Production Engineering	2017
213.	V. Desale, Dr. N K Kambale, P. Khot	Reduction per unit cost	National Conference on Recent trends in Manufacturing & Production Engineering	2017
214.	S. S. Buttepwad , Dr. N. K. Kamble , K. K. Bhosikar	Increase the quality and reduction in reworks by streamlining outsource process as per api standard	National Conference on Recent trends in Manufacturing & Production Engineering	2017
215.	P. Virshette, V.P Parsekar	Residual stresses induced while welding operation on the boiler production	National Conference on Recent trends in Manufacturing & Production Engineering	2017
216.	R. B. Sonawane, Dr. N. K..Kamble, L. Bathe	Design & manufacturing calculations of scissor lift	National Conference on Recent trends in Manufacturing & Production Engineering	2017
217.	K. P. Mukdam, Dr. S. S. Sarnobat, G. Kulkarni	Geometrical dimensioning & tolerances	National Conference on Recent trends in Manufacturing & Production Engineering	2017
218.	S B Pawar D S Mane R R Yadav	Design and analysis of ball filling unit i n deep groove ball bearing	National Conference on Recent trends in Manufacturing & Production Engineering	2017
219.	Dr. N K Kamble	A compressive review on EDM	International Journal	2018

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
DEPARTMENT OF INFORMATION TECHNOLOGY				
220.	A. A Jajoo A. R Kapsi N. W Bhatambre	Autonomous rc car using neural network and deep learning	International Journal of Innovative Research In Computer and Communication Engineering	2018
221.	R. S. Rajashree	Distributed image processing using different techniques in hadoop	International Journal Of Emerging Technology And Computer Science	2018
222.	S. S. Shelar	Survey on detection and prevention of intrusion	International Journal Of Trend In Scientific Research And Development	2018
223.	K. D. Bamane	Secure data aggregation in WSN for minimizing attacker's impact	International Journal Of Pure And Applied Mathematics	2018
224.	S.S. Patil	"Review paper on answers selection and recommendation in community question answers system"	"International Journal On Future Revolution In Computer Science & Communication Engineering"	2018
225.	S. S.Patil	A review on advanced decision trees for efficient & effective K-NN classification	International Journal On Future Revolution In Computer Science & Communication Engineering	2018
226.	A. K Saxena	Indian railway system monitoring regards passenger allocation and reservation.	International Journal Of Advance Engineering And Research Development	2018
227.	R. S. Rajashree K. P Bang, Vishnupriya G. S. P. P Bhadre	Promising direction and opportunity using content centric network	International Journal Of Emerging Technology And Computer Science	2017
228.	G. P Babhulkar	A review on globlize internet of things(IoT) and applications	International Journal Of Innovative Research In Computer And Communication Engineering	2017

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
229.	V. L. Mane	Efficient method for haze removal from image captured in foggy environment	International Journal Of Advanced Technology & Engineering Research	2017
230.	A.K Saxena A. B Abhale V. L Mane	Effective measurement of website engagement to improve website content	International Journal Of Advance Research In Science And Engineering	2017
231.	R. S. Rajashree K. P Bang G. S. Vishnupriya/ P. P Bhadre	DOS & DDOS attacks: defense and detection mechanism		2017
232.	A.B Kalyanshetti	Content based file sharing in detached manet's for existing social network	International Journal Of Innovative Research In Computer And Communication Engineering	2017
233.	S. S Shelar D. D Rane	Secure cloud based centralized health improvement through homomorphic encryption review of lucene indexing algorithm on public cloud	International Research Journal of Engineering And Technology	2017
234.	Dr. P. S Patil	Data mining technology with fuzzy logic, neural networks & machine learning	International Conference on Data Management, Analytics and Innovation	2018
235.	Dr. P. S Patil	Use of data mining technology in agricultural sustainable development	International Journal of Creative Research Thoughts	2018
236.	S. S Shelar	Enhancing efficiency for abe through homomorphic encryption in cryptography	International Conference on Transforming Engineering Education	2017
237.	G. P Babhulkar	Fuzzy based adaptive two phase traffic signal controller	International Conference On Emerging Trends In Engineering and Technology on Information Security and Analytics	2018
238.	G. P Babhulkar	Traffic congestion index and level estimation using two phase fuzzy controller	International Conference On Emerging Trends In Engineering and Technology on Information Security and Analytics	2018

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
239.	A S. Gaikwad	Secure data aggregation in wireless sensor network filtering out the attackers impact	International conference on Advances in Computer Technology & Management-2018	2018
240.	A S. Gaikwad	Speaker independent multilingual speech recognition system	International conference on Advances in Computer Technology & Management-2018	2018
241.	A.J.Patankar	An efficient nearest keyword set search in multi-dimensional datasets	International Conference on Advances in Computer Technology and Management 2018	2018
242.	K.D. Bamane	Secure data aggregation in wireless sensor network	International Conference on Emerging trends in Science, Engineering and Technology 2018(scopus)	2018
243.	K.D. Bamane	Secure data aggregation in wireless sensor network filtering out the attackers impact	International conference on Advances in Computer Technology & Management-2018	2018
244.	A.J.Patankar	Re-balancing approach using caco approach in multicloud environment	International conference ICTSET2018	2018
245.	A S Gaikwad	Design of area and power optimization shift register	International conference on Ubiquitous Computing 2017	2017
DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING				
246.	P. B Kaushal, R. P. Mudhalwadkar, G. R. Mhatre	An automatic electronic tongue system for classification of Indian wine	2017 Eleventh International Conference on Sensing Technology	2018
247.	V.S. Vibhute	Industrial internet of things: future of programmable logic controller	International Conference on Advances in Computer Technology and management	2017
248.	N. V. Mane, R.P. Mudhalwadkar	Banana ripeness assessment by impedance spectroscopy	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering	2017

Sr. No	Name of Authors	Title of Paper	Title of Journal / Conference	Year of Publication
249.	K. Shegokar, P. B Kaushal	Designing of temperature controlled water bath	International Journal for Engineering Applications and Technology	2017
250.	V. V Yerande	Material handling with pick and place using image processing and plc	International Research Journal of Engineering and Technology	2018
FIRST YEAR				
251.	P. K. Gore	Failure due to poor termination & loose connections in electrical systems	International journal of pure and applied mathematics	2018

Annexure –V: List of Industry Collaboration (MoU)

Sr No	Department	Organization	Year of MoU signed
1.	Electronics and Telecommunication Engineering	Telecom Sector Skill Council	2016
2.		BitMatrix	2016
3.		Pune Techtrol Pvt Ltd	2016
4.		Pantech Prolabs India Pvt.Ltd	2016
5.		COEP	2015
6.		Engineering Cluster ,Pune	2015
7.		Nvidia	2014
8.		BSNL	2013
9.		Eduvance,The Educational Arm Vanmat Technologies Pvt Ltd	2017
10.		Trident Tech Lab	2018
11.		PMS Robotics Research Center	2018
12.		Techno Field Solutions	2018
13.		SKADA Technology Solutions Pvt Ltd	2018
14.		ATE Welding Engineering Robotics and Automation Pvt Ltd	2018
15.		Aagnya Trainings	2018
16.		Qualden technologies Pvt Ltd	2018
17.		VR Automation	2018
18.		Pixel Robotics	2018
19.		4Dimensions InfoTech	2018
20.		Algorithmic Electronics	2018
21.		Olympus Power Pvt Ltd	2018
22.		Dolphin Labs	2018
23.		Amteq Automation	2018
24.		Shiv Technologies	2018
25.		Shivam Automations	2018
26.		Electronics Study Circle	2018
27.		Opulent Infotech Pvt Ltd	2018
28.		Eutech System	2018
29.		P S Technology	2018
30.		Yashaswi Technology	2018
31.		Antur ventures Pvt Ltd	2018
32.		IQube Institute for Illumination of Intelligence Quotient LLP	2018
33.		Vitronics Controls Pvt. Ltd.	2018
34.		Akhilesh Electricals	2018
35.		Institute od satellite telecom Pvt.Ltd Pune	2018
36.	Computer	White Collar Legal LLP	2018

Sr No	Department	Organization	Year of MoU signed
37.	Engineering	Digital Task Force	2018
38.		PureEco Tech Solution	2018
39.		Itrix Computer Services Pvt. Ltd.	2018
40.		Bitware Technologies	2018
41.		Dolphin Labs	2018
42.		Posiview Creative Communication Pvt. Ltd.	2018
43.		Posiview Technologies	2018
44.		Kyzer	2018
45.		AviratInfotech	2018
46.		ItechnoInfotech	2018
47.		Humblebirdsoft	2018
48.		VishwaGuruInfotech Pvt. Ltd	2018
49.		ParthInfotech	2018
50.		Helpdesk	2018
51.		SunyunktElectrosolar& IT Solution	2018
52.		KM Digital Wave Techno Solutions	2018
53.		Micro embedded Technologies	2018
54.		Ambiosys Lab	2018
55.		RaykorTechnologies,Pvt.Ltd.	2018
56.		Codezeven Software Pvt. Ltd	2018
57.		Protocol Incorporation	2018
58.		Pure Technology	2018
59.		Syncinia Software	2018
60.		Techspawn Solutions	2018
61.		DnyanTech	2018
62.		HashTrix Pvt. Ltd.	2018
63.		SitaSmart Innovation Technologies for Automation	2018
64.		DAccess Security Systems Pvt Ltd.	2018
65.	SSIGMA , Pvt, Ltd	2018	
66.	Sigmasoft Solutions	2018	
67.	MechSoftTech	2018	
68.	EmmersiveInfotechPvt.Ltd	2018	
69.	Paramount Logic	2018	
70.	Techno-Cipher IT Solutions	2018	
71.	Syste solutions Pvt. Ltd.	2018	
72.	Zetabyte Solutions Private Limited	2018	
73.	BeeChavanInfosystemPvt Ltd	2018	
74.	Computer World	2018	
75.	SoftServio Pvt. Ltd	2018	
76.	Hackers Era	2018	
77.	Peaku Demand Baffle Techno Pvt. Ltd.	2018	
78.	TechnoField Solutions	2018	

Sr No	Department	Organization	Year of MoU signed	
79.		<i>The TheckHub</i>	2018	
80.		Bonellisot	2018	
81.		Extremity India Technology	2018	
82.		Scriptlet Solutions Pvt. Ltd.	2018	
83.		Inevitable Solutions	2018	
84.		Probus Software Pvt. Ltd.	2018	
85.		SpringJaunter Technologies	2018	
86.		3409 Tech Ventures Pvt. Ltd. Pune	2018	
87.		GigIndia	2018	
88.		OppulentInfotech Pvt. Ltd.	2018	
89.		TechNex Software and IT solutions	2018	
90.		Information Technology	Elite Softwares,pune	2017
91.			Corecode IT Solutions Pvt. Ltd.	2018
92.			Aegis school of Data Science	2018
93.			Cubez Technocrats Pvt. Ltd.	2018
94.			PSP-IP & Associates	2018
95.			Aphron Infotech Pvt. Ltd.	2018
96.			IDP Education India Pvt. Ltd.	2018
97.			V Kumar Solutions	2018
98.	Indeed Inspiring InfoTech		2018	
99.	Rack son IT Developers		2018	
100.	Arena Animation, Pune		2018	
101.	Connect2Tech		2018	
102.	Accucia Softwares		2018	
103.	Gauss and Riemann, Pune		2018	
104.	Tech Mainstay Software Pvt Ltd.		2018	
105.	IoTCOE		2018	
106.	Tectiq Technology Pvt. Ltd.		2018	
107.	MMG Infotech.in		2018	
108.	Samarthview Global Edutech LLP Technologies		2018	
109.	Wisdom Sprouts		2018	
110.	Mass Technologies	2018		
111.	First Year	Mahavitaran, small training centre, M.S.E.D.C.L., Pune	2018	
112.	Mechanical Engineering	Dynamic Energy Engineering	2018	
113.		Green Drive India, Thergaon, Pune 33	2018	
114.		Autocluster Pune	2018	
115.		Unique Control Pvtl Ltd, Narhe, Pune	2018	
116.		PressComps Engineering, Bhosari, Pune	2018	
117.		PressTech Engineering, Bhosari Pune	2018	
118.		SOHA Technologies Pvt. Ltd, Navi Mumbai	2018	
119.		Sanjivani Studios, Consulting Engineers & Designers, Pune	2018	

Sr No	Department	Organization	Year of MoU signed
120.		Dn'A, Digital Marketing & Web Analytic Academy, Akurdi, Pune	2018
121.		Department of Mechanical Engineering, Hawassa University, Institute of Technology, Hawassa, Ethiopia	2018
122.		Institute of Engineers (India), Pune Local Centre	2018
123.		Parag Marketing Services, Pune	2018
124.		Solcon Engineers, Pune	2018
125.		Gratitude Consulting, Pune	2018
126.		Automotive Test Systems, Kasarwadi, Pune	2018
127.		Toolroom and Engineering Services, Bhosari, Pune	2018
128.		Sagar Gears Pvt. Ltd, Talawade, Pune	2018
129.		PDB Engineers, Bhosari, Pune	2018
130.		HIMTEJ Stampings Pvt Ltd, Chakan Pune	2018
131.		ORYX SOLAR ENERGY	2018
132.		SVR InfoTech, Katraj, Pune	2018
133.		Kristech Automation, Sinhgad Road, Pune	2018
134.		Dept. of Molecular & Integrative Physiology, Medical School, University of Michigan	2018
135.		BIT, Bahir Dar University, Ethiopia	2018
136.		IFS Academy	2018
137.		Pushkaraj Ispat (India) LLP, Sangamner	2018
138.		SAICAD Centre, Wagholi, Pune	2018
139.		Shaqra University	2018
140.		JAAS Automotive (I) Pvt. Ltd	2018
141.		Varadom Technologies Pvt. Ltd, Pune	2018
142.		Supreme Rubber Industries	2018
143.		V R Coating Pvt Ltd	2018
144.		PMS Robotics Research Centre, Pimple Saudagar, Pune	2018
145.		DesignTechnology	2018
146.		Department of Electrical and Electronics Engineering, Gazi University, Turkey	2018
147.		Success Automation	2017
148.		Shubhangad Industries	2017
149.		Nova Bulk Handlers	2017
150.		Rahul Darvekar & Associates	2017
151.	Civil Engineering	TPF Engineering Pvt Ltd	2018
152.		SSLondhe and Associate	2018
153.		Construction Excellence Testing and research	2018

Sr No	Department	Organization	Year of MoU signed
154.		Green Earth	2018
155.		Inavit Structural Consultants	2018
156.		Apex Consultant	2018
157.		Know How School	2018
158.		M/s B.K.Khose	2018
159.		Veracity Structural Consultancy	2018
160.		Samarth Comprehensive Civil Consultancy	2018
161.		Swara Groups	2018
162.		Govardhan Anusandhan Kendra	2018
163.		Lotus Infrastructure	2018
164.		Sanjiwani Studios Consulting Engineers and Designers	2018
165.		SOHA Technologies	2018
166.		A.R Engineers and Consultants	2018
167.		MD Consultants	2018
168.		Strong Tech Engineering Services and Research Pvt Ltd	2018
169.		Zoom Software	2018
170.		Technovision Consultant	2018
171.		SAI CAD Centre	2018
172.		Descon Engineers	2018
173.		Sikachi The Place Maker ,Pune	2018
174.		Tech Yuga Structural Solution Pvt. Ltd	2018
175.		Jkumar Infrastructure Project Ltd	2018
176.		AUM Technologies	2018
177.		Viraj Envirozing India Pvt. Ltd Sister concern Viraj ParyavaranPrashala	2018
178.		Thermax Ltd.	2018
179.		Accurate Engineering Pvt. Ltd	2018
180.		Mahindra CIE Automotive Ltd.	2018
181.		S. N. Coatings and Allieds	2018
182.		Shreyash Tools & Components	2018
183.		Divgi TTS Pvt. Ltd.	2018
184.		Tekpro Systems	2018
185.	Production	Bhakti Industries	2018
186.	(Sandwich)	Rotech Engineers	2018
187.	Engineering	Aman Stampings Pvt. Ltd.	2018
188.		S. R. Heat Treatments	2018
189.		Suneco Pvt. Ltd.	2018
190.		GSD Metallurgy Labs	2018
191.		Dhatu Parikshak Metallurgy labs	2018
192.		Enigma Automation	2018
193.		Fabri-tek Equipments Pvt. Ltd.	2018
194.		OFMAP Solutions Pvt. Ltd.	2018

Sr No	Department	Organization	Year of MoU signed
195.		OmShrinivas Extrusions Pvt, Ltd.	2018
196.		Atma Industries	2018
197.		Pranav Industries	2018
198.		Protech Stampings Pvt. Ltd.	2018
199.		Manthan Industries	2018
200.		Master Engineers Pvt. Ltd.	2018
201.		A.G. Enterprises Pvt. Ltd.	2018
202.		Param CadCam Solutions	2018
203.		Sahaj Hydrotech	2018
204.		C2C IOT & Company	2018
205.		Zencon Infotech Pvt. Ltd.	2018
206.		BBM Acoustic Pvt. Ltd.	2018
207.		KnH India Pvt. Ltd.	2018
208.		MSM Engineering	2018
209.		2M Technologies	2018
210.		Arihant Fibrotech Pvt. Ltd.	2018
211.		Tooltech Engineers	2018
212.		Multiple Tools	2018
213.		Emkyee Tools	2018
214.		Deming Forum of India	2018
215.		Vighnaharta Industries	2018
216.		Sky Elevators India Pvt. Ltd.	2018
217.		Varadavinayaka Enterprises	2018
218.		Educad Learning Solutions Pvt. Ltd.	2018
219.		Dias C Tools and Components	2018
220.		ThinkQuotient Software Pvt. Ltd.	2018
221.		n-Gen Training Centre	2018
222.		Baiza Ingale Food & Beverages	2018
223.		Touchwood Automation	2018
224.		Autocal System	2018
225.		DNYAN Automation Private Limited, Pune	2018
226.		Mikro Inotech India Pvt. Ltd	2018
227.		MoresonTechnovation Pvt. Ltd	2018
228.		Industrial Automation Solution	2018
229.	Instrumentation and control Engineering	Beatbox Interactive System	2018
230.		RoboCharm	2018
231.		Prescient Automation	2018
232.		Logicon Technosolutions Pvt. Ltd. Pune	2018
233.		VMS Controls	2018
234.		Neobless Clinic	2018
235.		ATE, Welding Engineering Robotics and Automation Pvt. Ltd	2018
236.		Amteq Automation	2018

***Annexure –VI: Details of Honours and recognitions
received by teachers***

Sr No	Year of recognition	Name of Faculty	Designation	Expert /chairperson / Resource person
1.	2017-2018	Dr. M A Potey	Associate Professor	Peer Reviewer Committee member at IEEE Pune Con 2018
2.	2017-2018	Dr. N A. Deshpande	Associate Professor	<ol style="list-style-type: none"> 1. Reviewer for Applied Water Science: Springer Journal (ISSN: 2190-5495, Journal No.13201) 2. Session Chair for 4th International Conference on Computing, Communication, Control and Automation which is technically co sponsored by IEEE Pune Section during 16th to 18th August, 2018. 3. Reviewer for GCWCN2018 (2018 IEEE Global Conference on Wireless Computing and Networking . 4. Elected the Faculty Sponsor (from 01-Jun-18) for the PRADNYAN DYPCOE-AK ACM Student Chapter
3.	2017-2018	Mrs. D B. Gothwal	Assistant Professor	Reviewer for International Journal of wireless networks & Broadband Technologies
4.	2017-2018	Dr. V A Kulkarni	Associate Professor	Reviewer for Journal of Non-Crystalline solids
5.	2017-2018	Dr. G K Jadhav	Associate Professor	Reviewer for <ol style="list-style-type: none"> 1. International Research Journal of Scientific Studies 2. International Journal of Mechanical Science
6.	2017-2018	Dr. B. B. Musmade	Professor	ISA Transaction Reviewer
7.	2017-2018	Mr. V S Vibhute	Assistant Professor	Technical Advisor for “Water distribution system using SCADA” at MIDC Chinchwad
8.	2017-2018	Mr. K D Bamane	Assistant Professor	Peer Reviewer Committee member at IEEE PuneCon 2018

Sr No	Year of recognition	Name of Faculty	Designation	Expert /chairperson / Resource person
9.	2017-2018	Mr. A J Patankar	Assistant Professor	Reviewer and Session Chair for 4th International Conference on Computing, Communication, Control and Automation which is technically co sponsored by IEEE Pune Section, 2018.
10.	2017-2018	Dr. P. Malathi	Professor	1.Reviewer IETE Journal 2.Reviewer IEEE Transaction on Antenna and Wave Propagation Editorial board member and reviewer for Journal on software Engineering
11.	2017-2018	Dr. D.G. Khairnar	Professor	CMI level award in Management and Leadership Reviewer 1. Elsevier 2. International Conference on ITNG-2018 3. IEEE transaction on Aerospace and Engineering
12.	2017-2018	Dr. M Sharma	Associate Professor	Reviewer 1. IEEE Transactions on Industrial Electronics 2. IEEE Transactions on Cybernetics 3. IET control theory and application
13.	2017-2018	A S. Shinde	Assistant Professor	Reviewer PGCON Shivaji University
14.	2017-2018	R S Patil	Assistant Professor	1.Keynote Speaker for 4 th International Conference on Water Resource & Environment , I-Shou University, Taiwan 2.Pier Reviewer SPRINGER NATURE- Water Resource Management Journal
15.	2017-2018	Dr. T Bagul	Associate Professor	Session chair – International Conference on Emerging Trends in Science, Engineering & Technology (ICETSET-18)
16.	2017-2018	S V Pataskar	Assistant Professor	Session chair – International Conference on Emerging Trends in Science, Engineering & Technology (ICETSET-18)
17.	2017-2018	Dr. S S Datta	Associate Professor	Co-chair for technical session “GSP7-Geo Environmental Engineering-2” at GeoShanghai Conference

Sr No	Year of recognition	Name of Faculty	Designation	Expert /chairperson / Resource person
18.	2017-2018	S S Pathak	Assistant Professor	Session chair –Fifth Civil PGCON-2018
19.	2017-2018	A R Patil	Assistant Professor	Session chair –Fifth Civil PGCON-2018
20.	2017-2018	Dr. B S Balapgol	Professor	Jury Member- BUILDTECH-2018 Workshop
21.	2017-2018	Dr. A B More	Associate Professor	Advisor & Programme Executive member- IMPARC, AIRS
22.	2017-2018	Dr V S Jatti	Associate Professor	Session chair –MechanicalPGCON-2018
23.	2017-2018	Dr T Dey	Associate Professor	Session chair –Mechanical PGCON-2018
24.	2017-2018	Dr R S Hingle	Professor	Session chair –Mechanical PGCON-2018
25.	2017-2018	Dr. M A Potey	Associate Professor	Ph.D
26.	2017 - 2018	Dr. S. S. Sarnobat	Associate Professor	Ph.D
27.	2017 - 2018	Dr. S S Datta	Associate Professor	Ph.D
28.	2017 - 2018	Dr. T R Bagul	Associate Professor	Ph.D
29.	2018- 2019	Dr. P Shinde	Assistant Professor	Ph.D
30.	2018- 2019	Dr. N K Kamble	Assistant Professor	Ph.D

Annexure –VII: List of FDP's Attended by Faculty

Sr. No.	Title of the Faculty Development Programme	Number of faculty
1.	One Day FDP on "Python Programming"	09
2.	Two Days FDP on Software Modeling & Design	17
3.	One day FDP on Outcome based education	16
4.	Five days FDP on "Modernization in Industry & Education"	04
5.	One Week FDP on "Deep Learning & Image Processing(Hands on)"	01
6.	One week FDP on ESIoT	01
7.	Three days workshop on "ICT Tools for OBE"	17
8.	One Day workshop on syllabus revision of BE	01
9.	Three days workshop on "Train the Trainer workshop on User Interface Technologies"	01
10.	Three days workshop on Web Technology	01
11.	Two days National level seminar on IoT	01
12.	One week STTP on "Human Values and Professional Ethics"	02
13.	Five Days FDP on "Formation of course Outcomes and Attainments of Cos, Pos and PSOs"	24
14.	International Conference on Emerging Trends in Science Engineering and Technology	03
15.	AICTE-ISTE STTP on Machine Learning	03
16.	Three days FDP on Lab Practice-1	03
17.	FDP on ICT tool for Blended Teaching Learning: Moodle	10
18.	International conference	03
19.	Certificate Course on Valuation	06
20.	NPTEL courses	23
21.	STTP on Outcome Based Education	12
22.	Skill Development Program	08
23.	One Week FDP on Plumbing Systems Design	35
24.	One day FDP on Design flow Automation and Testing in VLSI using Perl	20
25.	Five days FDP on Advance Software development	04
26.	Short course on "Game theory & Competitive Strategies for 4G/5G wireless network", at IIT kanpur	02
27.	International conference on emerging trends in Science & Technology	14
28.	Outcome based education- An Effective Teaching Learning Practice & Assessment	14
29.	Seminar on Recent Advances in Impurity Profiling of pharmaceuticals	02
30.	PMMMNTT's Train The Trainer: Enhancing Chemistry Teaching Skills	02

Sr. No.	Title of the Faculty Development Programme	Number of faculty
31.	Research Proposal, Paper, IPR & Patent Drafting	01
32.	Motivating the Motivators for Effective Teaching & Learning	24
33.	Short Term Training Program on ICT Tool for Blended Teaching Learning Moodle	02
34.	Workshop on Induction Program for Students conducted by AICTE	02
35.	One Day FDP on CO-PO Attainment	20
36.	FDP on “ASP MVC Azure Application Development”	28
37.	Outcome Based Education – An Effective Teaching Learning Practice and Assessment	20
38.	Outcome based Education-An effective teaching learning practice and assessment	37
39.	Recent Trends in New Product Development	01
40.	Design and Development of Air Conditioning Systems	01
41.	Solar Energy Systems	01
42.	Workshop on medical biomaterials	02
43.	Three days Faculty Development Programme 'Motivating the Motivators for Effective Teaching -Learning Process' Organized by First Year Engineering Department	01
44.	One week Short Term Training Program on ICT Tool for Blended Teaching Learning: Moodle	02
45.	Pedagogy for Online and Blended Teaching Learning Process	06

Annexure –VIII: List of Workshop Attended by Students

Sr. No.	Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
1.	AutoCAD Training Program	30 th August 2018	26	Apex Consultants
2.	Joy At Work	16 th August 2018	118	Sunil Shinde
3.	Stress Management Session	14 th August 2018	46	Sunil Shinde
4.	Soft skills training for BE	26 th June 2018 to 31 st July 2018	80	Department of Soft skills DYPEC
5.	Language Lab.	1 st August 2018	750	Department of Soft skills DYPEC
6.		26 th July 2018	795	Department of Soft skills DYPEC
7.	YOGA	21 st June 2018	130	Art of living
8.	7 Days Hit office training programme	30 th May 2018	16	EDSS Pvt. Ltd.
9.	“Structural Software Training workshop” (STAAD PRO, ETABS)	11 th February - 21 st April 2018	45	Think Tank Engineers
10.	Laptop Repairing Workshop	28 th March 2018 to 29 th March 2018	30	Success Institute
11.	Skill Development Programme on “MSP & Primavera Software	8 th February 2018	12	Infinity Solutions Pvt Ltd.
12.	Youth Empowerment Skills Seminar	21 st to 25 th January 2018	29	Art of Living Foundation & Dr. Tushar Bagul
13.	Valuation of Real Estate	20 th January 2018	45	Institute of Valuers, Pune Chapter
14.	Aptitude Training	19 th January 2018	515	APART
15.	JLPT	15 th January 18	08	TRAINER by TCS

Annexure –IX: Students Progression

a. Student support mechanism for competitive examinations

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of students who have passed in the competitive exam	Number of students placed
2018-2019	APART	512	-	-
2017-2018	Importance of GATE for Education Abroad	345	65	-
2017-2018	How to prepare for IELTS Exam	258	17	-
2017-2018	Career Opportunities after GATE Exam	342	65	-
2017-2018	Higher Education abroad & Techniques to crack GRE Exam	376	22	-
2017-2018	Introduction Session of APPART Aptitude training for TE students	478	236	94

b. Details of student qualified in competitive examinations

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
GATE	05	1. EC18S52104132 2. CE18S72101087 3. CE18S82112034 4. CS18S32129069 5. CE18S72101087
CAT	02	1. 2017F344/2017-19 2. 7025354
GRE	02	1. 227329 2. 259347
State Government Services	03	1. 1700000003954707621314 PN011245 2. 1818779067 3. Computer Student

c. Details of student counseling and career guidance

Year	Name of the scheme	Number of benefited students by Career Counseling activities
2018-2019	Guest Lecture by "Mr. Dheeraj Shokeen" on Group Discussion & Personal Interview Techniques	46
2018-2019	TCS Carrier counseling lecture	149
2018-2019	Expert lecture by Mrs. Jasmita Kaur , Dean Placement on carrier opportunities and awareness for FE students.	500
2018-2019	Career guidance Industry Expectations from fresher during recruitment by "Xorient Solutions"	175
2017-2018	Career guidance on "Opportunities after GATE Exam"	513

d. Details of Campus Placements

Number of Organizations Visited	On campus		Off Campus
	Number of Students Participated	Number of Students Placed	Number of Students Placed
Academic Year 2017-18			
Production			
40	52	21	04
Information Technology			
107	87	72	02
Instrumentation And Control			
42	47	20	05
Electronics And Telecommunication			
67	98	75	08
Civil Engineering			
35	69	32	00
Computer Engineering			
107	121	107	10
Mechanical			

55	135	94	07
On campus		Off Campus	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
Academic Year 2018-19			
Production			
04	40	01	-
Information Technology			
27	132	56	-
Instrumentation And Control			
07	40	02	-
Electronics And Telecommunication			
15	114	22	-
Computer Engineering			
27	119	60	-
Mechanical			
08	139	04	-
Civil			
06	102	02	-

e. Details of Social Activities participation

Sr. No.	Title of the Activities	Organizing unit/ agency/ collaborating agency
1.	River cleaning	Rotary Club
2.	Tree plantation	NSS, Water Purification Plant, Nigdi
3.	Nirmal Waari Abhiyan	NSS/Sevasahayog
4.	Vanmohotsav	NSS
5.	Pain Free Tree	NSS/Angolichi Goli
6.	Social Awareness	NSS/Sevasahayog
7.	Traffic Awareness	NSS/Pimpri Chinchwad City Vikas Manch
8.	Free Eye Checkup	NSS/Lenskart
9.	Ganesh Festival Nirmalya	NSS/Nirmalya Collection
10.	Orphanage	NSS/Tara Sofosh Dhadphale Centre

Sr. No.	Title of the Activities	Organizing unit/ agency/ collaborating agency
11.	Tree plantation	DYPCOE, Computer Department
12.	Swatch Bharat Abhiyan (Cleaning)	NSS
13.	Social Activity (Leprosy Home)	DYPCOE, Information Technology
14.	Social Activity (PC Awareness at ZP School)	DYPCOE, Information Technology
15.	Social Activity (Kerala Flood Relief Fund)	DYPCOE, Information Technology
16.	Social Activity (Tree plantation)	DYPCOE, Information Technology
17.	Water Olympiad 2019	Rotary Club Pune Sinhgad Road
18.	Water Conservation	DYPCOE, Civil Department
19.	Social Activity (Tree plantation)	DYPCOE, Instrumentation Department
20.	E- Waste Collection Drive	DYPCOE, E and TC Department
21.	Visit to Nachiket Balgram	DYPCOE, Mechanical Department

Abbreviations

Sr. No.	Abbreviations	
1.	IQAC	Internal Quality Assurance Cell
2.	AQAR	Annual Quality Assurance Report
3.	FDP	Faculty Development Program
4.	PEI	Physical Education Institutions
5.	SPPU	Savitribai Phule Pune University, Pune
6.	AAA	Academic and Administrative Audit
7.	AAB	Academic Advisory Board
8.	MoU	Memorandum of Understanding
9.	LMS	Learning Management Systems
10.	IIT	Institute of Technology
11.	NMEICT	National Mission on Education Through Information and Communication Technology
12.	UG	Undergraduate Program
13.	PG	Postgraduate Program
14.	PhD	Philosophy of Doctorate
15.	CBCS	Choice Based Credit System
16.	HRD	Human Resource Development
17.	IPR	Intellectual Property Rights (Ipr)
18.	UPS	Uninterruptible Power Supply
19.	ISBN	International Standard Book Number
20.	JRF	Junior Research Fellowship
21.	SRF	Senior Research Fellowships
22.	NSS	National Service Scheme
23.	NCC	National Cadet Corps
24.	MESA	Mechanical Engineering Student Association
25.	MIS	Management Information System
26.	ERP	Entrepreneurship Resource Planning
27.	NPTTEL	National Programme on Technology Enhanced Learning
28.	ICC	Internal Complaint Committee
29.	IELTS	International English Language Testing System Exam
30.	GRE	Graduate Record Exam
31.	E&TC	Electronics and Telecommunication Engineering
32.	FE	First Year
33.	SE	Second Year
34.	TE	Third Year
35.	BE	Bachelor of Engineering
36.	BOS	Board of Studies
37.	R&D	Research and Development
38.	AMC	Annual Maintenance Contract
39.	HoD	Head of Department

Sr. No.	Abbreviations	
40.	HR	Human Resource
41.	NIRF	National Institute Ranking Framework
42.	ATR	Action Taken Report
43.	OBE	Outcome Based Education
44.	COEP	College of Engineering, Pune
45.	LMS	Learning Management System
46.	CSI	Computer Society of India
47.	ACES	Association of Computer Engineering Students
48.	ACM	Association of Computing Machinery
49.	IEI	Institute of Engineers, India
50.	ISA	Instrumentation Student Association
51.	IETE	The Institution of Electronics and Telecommunication Engineers
52.	IEEE	The Institute of Electrical and Electronics Engineers
53.	ISTE	The Indian Society for Technical Education
54.	MOOC	Massive Open Online Course
55.	SWAYAM	Study Webs of Active Learning For Young Aspiring Minds Programme of Ministry of Human Resource Development
56.	KBC	Kaun Banega Crorepati
57.	CO-PO	Course Outcome and Program Outcome
58.	ICT	Information and Communication Technology
59.	CEO	College Examination Officer
60.	BCUD	Board Of College and University Development
61.	AICTE	All India Council for Technical Education
62.	DYPCOE	D Y Patil College of Engineering
63.	GATE	Graduate Aptitude Test In Engineering
64.	TOEFL	Test of English as Foreign Language
65.	GRE	Graduate Record Examination
66.	CAT	Common Admission Test
67.	ITes	IT Enabled Services
68.	SC	Scheduled Cast
69.	ST	Scheduled Tribes
70.	VJ	Vimukti Jati
71.	NT	Nomadic Tribes
72.	OBC	Other Backward Classes
73.	TFWS	Tuition Fee Waiver Schemes
74.	RFID	Radio Frequency Identification
75.	WiFi	Wireless Fidelity
76.	CCTV	Closed Circuit Television
77.	RO	Rivers Osmosis
78.	BOAT	Board of Apprenticeship Training
79.	CD	Computer Disc
80.	JLPT	Japanese Language Proficiency Test
81.	IT	Information Technology

Sr. No.	Abbreviations	
82.	TG	Teacher Guardian
83.	ICE	Immigration and Customs Enforcement
84.	UGC	University Grant Commission
85.	TEI	Text Encoding Initiatives
86.	CPE	Continuous Particle Electrophoresis
87.	MOODLE	Modular Object-Oriented Dynamic Learning Environment
88.	IITB	Indian Institute of Technology, Bombay
89.	ICA	Independent Computing Architecture
90.	IPR	Intellectual Property Rights
91.	PC	Personal Computer
92.	RC	Remote Centre
93.	UPSC	Union Public Service Commission
94.	MPSC	Maharashtra Public Service Commission
95.	BS-IV	Bharat Stage-IV
96.	ANN	Artificial Neural Network
97.	DCP	Duel Cross Pattern
98.	LBP	Local Binary Patterns
99.	ACO	Ant Colony Optimization
100.	SOLS	Similarity-Oriented Logic Simplification
101.	DSRC	Dedicated Short-Range Communication
102.	ASCE	American Society of Civil Engineers
103.	PCMC	Pimpri Chinchwad Municipal Corporation
104.	TDR	Transfer of Development Rights
105.	IS	Indian Standard
106.	CFPR	Carbon Fiber Reinforced Plastic
107.	NDT	Non Destructive Testing
108.	UNL	Universal Networking Language
109.	d-iHMM	Hierarchical Hidden Markov Model
110.	SVM	Support Vector Machine
111.	DOS	Disc Operating System
112.	DDOS	Distributed Denial of Service
113.	CNG	Compressed Natural Gas
114.	ISSN	International Standard Serial Number
115.	VLM	Vortex Lattice Method
116.	IJARIE	International Journal of Advance Research And Innovative Ideas In Education
117.	FDM	Frequency Division Multiplexing
118.	FEA	Finite Element Analysis
119.	HHO	Home Heating Oil
120.	FFT	Fast Fourier Transform
121.	EFI	Electronic Fuel Injection
122.	EDM	Electrical Discharge Machines
123.	MQC	Metrology And Quality Control

Sr. No.	Abbreviations	
124.	CMM	Coordinate Measurement Method
125.	WSN	Wireless Sensor Network
126.	K-NN	Nearest Neighbors Algorithm
127.	COEP	College of Engineering Pune
128.	BSNL	Bharat Sanchar Nigam Limited
129.	ACM	Association for Computing Machinery
130.	SCADA	Supervisory Control and Data Acquisition
131.	IETE	Institution of Electronics and Telecommunication Engineers
132.	ISA	Instrumentation Student Association
133.	IMPARE	Ignited Minds Professional and Academic Research Consortium
134.	ES IoT	Embedded System Internet of Things
135.	STTP	Short Term Training Program
136.	ASP	Active Server Page
137.	MVC	Model View Controller
138.	TCS	Tata Consultancy Services
139.	RO	Reverse Osmosis