EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT



DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH

Approved by A.I.C.T.E, New Delhi, Maharashtra State Government, Affiliated to SavitribaiPhule Pune University

Sector No. 29, PCNTDA, NigdiPradhikaran, Akurdi, Pune 411044. Phone: 020-27654470, Fax: 020-27656566 Website: www.dypiemr.ac.in Email: principal/a/dypiemr.ac.in

Profile of the college for Academic and Administrative Audit

Section I

Institutional Profile

Name and Address of the

college / Institution:

Padmashree Dr. D Y Patil Institute Of Engineering, Management And Research,

Sector No 29, PCNTDA (Ravet), Nigdi Pradhikaran, Akurdi, Pune 411044

Telephone No.:

Fax:

020-27656566

020-27654470

Email Address & website:

principal@dypiemr.ac.in

2 Year of establishment :

2012

3 Status of the college: (If minority status, attach

Un-aided

letter of sanction of state Govt)

4 Name of the Principal:

Dr. Mrs. Anupama V. Patil

Status:

Permanent

5 Location of the college:

Urban

Land:

Owned by Trust (Dr. D. Y. PatilPratishthan)

Area of the campus in acres

Total built-up area in sq.

mt.

Its own campus

30 (5 acres exclusively for

14997

DYPIEMR)

If not, specify (Attach separate sheet)

Type of college 7

Co-education

8 Affiliated to Savitribai Phule Pune University, Pune

Whether 2(f), 12 (B) status?

No

10 Name of the Management /

Dr. D. Y. Patil Pratishthan

Trust 11 Name of the Chairman /

Mr. Sanjay D. Patil (President)

Secretary

(Attach the list of existing

Mr. Shripad S. Dharangutti (Secretary)

members)

12 Local management

Yes (List Attached)

Committee:

(whether constituted as per Maharashtra University Act

1994)

Number of meetings

02

scheduled in last year: Number of meetings

02

conducted:

13 Is the Trust / Society /

Yes

Institute registered

Under Public Trust Act 1950 (Charity

Yes

Commissioner):

Under Society registration

No

Act, 1980 (Co-op society

Act):

Registration number of the

E-1175-Kolhapur

trust:

Date and year:

27/12/1990

Section II

Availability of separate UG

Yes

Present Status of

Continuation of Affiliation

by University:

Deficiencies pointed out if any and compliance there

of:

Temporary (Annual affiliation till 2018-19)

Sr. No.	Teaching Courses	Title of Course	Intake Capacity	Affiliation Status		
1	Under Graduate	Chemical Engineering	60			
	Courses	Civil Engineering	120			
		Computer Engineering	120	1		
		Electronics and Telecommunication Engineering	60	Temporary (Annual affiliation till		
		Mechanical Engineering	180	2018-19)		

2	Other Value added	Basic English Skill	525	
	courses	Aptitude & GDPI	209	
		Japanese Language Training (Level N5)	40	
		Cyber Security	106	
		Training Program by Virtusa Polaris	64	
		Android App Development	46	
		NASSCOM	7	

(Attach separate sheet if necessary)

3. Total Number of Students in the college

Academic Year	Male	Female
2017-18	410	117
2016-17	405	97
2015-16	437	131
2014-15	402	105

Section III Human Resources

1 Details of Teaching Staff

a Total Teaching Staff

2017-18 (124 against 116)

 Details of Technical and Other Staff of college Technical staff Total: 24 Non-Teaching Staff: 33

c Teaching Programme –

Availability of Attach Copies of

Yes

Master Time Table

Yes

Departmental Time Table Academic Calendar

Yes Yes

Implementation of academic calendar for last year

2 Efforts for Human Resource Development

n Through Bank

Mode of salary : Through Bank / Cash

b Performance appraisal

Yes

 Employment welfare schemes Yes

Students 3

Admission Procedure a

Through common entrance test (MHCET/JEE)

Reservation Policy b

As per State Government

Curriculum update

As per Savitribai Phule Pune University

Result of examination

Statistics for previous 2 years

Academic Year	Total No of students passed		
2017-18	519		
2016-17	401		
2015-16	306		

Availability for counseling of students:

Yes

Programme for enhancement of weaker students / 6 repeaters:

Yes

7a Games and sports facilities available:

Yes

i P.T. Teacher / instructor

Not Appointed

Information regarding prizes won by the students ii

Zonal/State National International

03

Cultural and sport activities: College / Gathering

03

02

7b Social and academic activities for last two years:

NSS (number of Students):

50

Arrangement for disaster management: Participation in programmes like

Nil Yes

1 Awahan

2 Avishkar

3 Ashwamed

Yes

iii Field visits conducted Details:

Yes

8 Scheme for Student Support:

Utilization of student welfare scheme run by a University:

Yes

Loan facilities: b

Yes

Installment for fees: c

Yes

d Scholarship: Yes

	e	Personality development:		Yes
	f	Personal insurance:		Yes
	9 –a	Number of research projects ongoing) with the faculty	(Completed or	03
	b	Facilities provided to staff for projects / guidance for project promotion of research:		Yes
	10	Number of academic semina conferences/workshops that organized (average of last 2	the institution has	50
	11	Academic linkages / collabo has established (average of l internal quality checks and i	ast two years) for	Yes
			Section IV	
	Int	frastructure		
1	I	nfrastructure Available	Land Availability: Built Area = 14997	30 (5 acres exclusively for DYPIEMR) sq.mtr
a	(Classrooms and Seminar hall	27	
b	I	aboratories	47	
c	A	Administrative blocks	302 sq.mtr.	
d	S	anitary blocks	377 sq.mtr.	
e		Other facilities, auditorium etails	Seminar Halls: 3Amphitheater: 3Library: Having	
			Section V	
	Lib	orary	Section v	
		Library: whether separate arr	angement for Staff	
			3	
		Central Library Space in sq. ft		465
		Capacity		150
		Reading room		Available
a		Number of books		10749

1

A

i

ii a

b	Total number of Title books	1823 Yes
iii	Social welfare book bank	550
	If yes, total number of books	Titles: 96
	Total number of title books	Books: 314
iv	Number of periodicals subscribed annually	
	National	54
	International	4598
V	Cataloguing indexing system:	Both
	(author and subject wise)	
	Innovations in education: CDROM / Internet/Audio Video CD	733 CD
	Cassette:	
vi	Number of computers:	13
xi	Internet facilities:	Yes
xii	Whether qualified librarian appointed:	Yes
	Number of other staff working in library	04
	Number of other staff working in library:	04
xiii	Working hours of library:	12 hrs
2	Heatel for Paya/Girls	
3	Hostel for Boys/Girls	200
	Capacity (Gents):	300
	Capacity (Ladies) : Name of warden / Rector:	Mr. VishwajitKirtane
	Name of warden / Rector:	Mrs. Rane
		Mis. Kane
a	Total accommodation (number of rooms. Type of rooms,	500
	number of students):	
b	Distance from college and hospital:	Within 1 km
		,
c	Whether is there is mess for students:	Yes
e	Recreation facilities – sports and others:	Available / not available as
	recreation memores sports and outers.	per norms
f	Administrative control:	P
•	Tallinia att Collicia	
g	Anti-ragging committees	Yes
i	If yes, attach list of members:	
	Dr. P. P. Halkarnikar	
	Prof. B. S. Gujar	
620	Mr. Y. K. Patil	
ii	Number of ragging cases caught and review in a year:	Quarterly
4	Guest house:	Not available
- 1980	(if available, mention number of rooms with accommodating	and with the state of the state
	capacity)	
_	D 11 11 2 2 2	NI was 19-11
5	Residential quarters for staff:	Not available
	(if available, give the number of the quarters)	
6	Gymnasium:	Available
U	Cymnusium.	Attunuole

Play ground facilities:

Available

Facilities available for games Indoor and Outdoor Yes

7 Water and electricity facilities:

Yes

8 Canteen facilities:

Yes

- 9 Practices of the college to impart value based education:
 - Institute offers different audit courses which impart value based education to the students.
 - Various activities such as expert lectures, workshops, seminars, events are also organized.
- Sensitization to latest managerial concepts such as strategic planning, team work, decision making and computerization:

1. Different college level activities are organized completely by the students to impart the

managerial skills

- Various students clubs such as National Service Schemes, Rotaract Club, Environmental club, National Cadet Corps are active.
- 11 Efforts of the college towards all round personality developments of the learners:

Place: Pune

Date: 16/07/2018



Dr. (Mrs.) Anupama V. Patil

Dr. D. Y. Polit Institute of Engineering

Management & Research Akurdi, Pune - 411 044

Auditor 1: Dr. R. V. Bhortake

Principal,

MMIT, Lohagaon,

Pune

16/07/2018

Auditor 2 : Dr. S. R. Sakhare Head of Dept, Computer Engg., VIIT, Kondhawa, Pune 1617,2013

Observations and Recommendations:

Following are the observations from the academic and administrative audit conducted on 16.07.2018 for the academic year 2017-18.

Institute Strengths:

- 1. Qualified and self motivated faculty
- 2. Well equipped laboratory and excellent infrastructure
- 3. Properly planned academic activities and good track record of academic results.
- 4. Well planned and implemented soft skill and skill development programs.
- 5. Active Industry Institute Partnership cell.
- 6. Good placement record.
- 7. Energy efficient campus with renewable energy source.
- 8. Green and noise free campus.
- 9. Center of Excellence in Computer Department

Institute Weaknesses:

- 1. Participation of faculty at University level academic and administrative activities.
- 2. Research funding from government agencies and industry.
- 3. Consultancy and revenue generation.
- 4. Faculty publications in journals of repute and commercialization of patents.
- 5. Lack of centre of excellence in each department.

Recommendations:

- Centre of excellence can be established in each department to inculcate research culture among the faculty and students.
- 2. Faculty participation in conferences / workshop / Symposium may be enhanced.
- 3. Faculty cadre ration can be improved
- 4. Placement in core industries should be increased.
- 5. Financial assistance should be provided by the institute for student activities such as BAJA, SUPRA, ROBOCON etc.

Dr. S.R. Sakhare

Head, Computer Engineering

V.I.I.T., Pune

Dr. R.V. Bhortake

Principal

M.M.I.T., Pune

DYP DR. D. V. PATEL INSTITUTE OF ENGINEERING, MAYAGEMENT AND RESEARCH

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Website: www.dypiemr.ac.in Email: principal/a/dypiemr.ac.in

Departmental Profile for Academic Audit

(A.Y. 2017-18)

- 1. Name of the Department: Electronics and Telecommunication Engineering
- 2. Number of full time faculty: 12
- 3. Number of faculty on roll: 12
 - a. Part time : Nil
 - b. Visiting: Nil
 - c. Temporary / contractual faculty: Nil
- 4. Number of UG courses: 01
- 5. Number of Students: 209
- 6. Curriculum Revision Information: TE 2015 syllabus
- 7. Research:
 - a. Publications:
 - i. Research Journals

International: 65 National: 00 State: 00

ii. Books Published:

Reference Books: 00 Text Books: 00 Book Chapters: 00

- b. Conferences: International:14 National:00 State:00
- c. Ph.D. Thesis: Submitted :00 Awarded: 00
- 8. Departmental Library:
 - a. Printed Books Added: Total books: 451

- b. Web-resources, CDs Added: 22
- c. e-Books Added : Nil
- 9. Number of faculty using ICT and PPTs/ Innovative teaching methods: 12

10. New equipment and Infrastructure Added:

- 1. MATLAB2017B-5 users
- 2. ARM Microcontroller development board
- 3. GSM interfacing ARM 7 board
- 4. Graphics LCD display interfacing
- TMS320C6748 DSP development board
- LAN restructuring in EDC and DE Lab
- 7. Servo motor position control using Photo electric pick up
- 8. Displacement and velocity measurement using encoder
- 9. Liquid flow measurement
- 10. Weight measurement using load cell
- 11. Liquid level measurement
- 12. Interfacing of 2 sensors to DAS
- 13. MCS51 series development board and its peripherals
- 14. ARM 9 development board

11. Strengths

- a. Well-equipped Labs
- b. Well defined and maintained Teacher Guardian scheme
- c. Innovative &ICT based teaching-learning practices
- d. Project Based Learning (PBL) approach
- Curriculum enrichment through value added courses, curricular gap, contents beyond syllabus

12. Weaknesses

- a. Creating and providing consultancy services to the industry and society and undergoing funded projects
- b. Limited placements in core industries
- c. Publications in indexed journals
- d. Faculty with Ph.D.
- e. Less involvement of alumni

13. Student Feedback on

- a. Curriculum: Yes
- b. Teaching Learning Evaluation Processes: Yes

14. Recommended Actions:

Need to take efforts to increase research
grants and consultancies.

2) More students should participate in various
intercollegiate activity.

Head of Department

HEAD

Department of E & T. C. Engineering

Dr. D.Y. Patil Institute of Enginee Management & Pessearch Akurdi Pune - 41

(Dr. R.V. Bhortake)

Auditor 2 1018 (Dr. S.R. Sakhare)





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Website: www.dypiemr.ac.in
Email: principal@dypiemr.ac.in

Departmental Profile for Academic Audit

(A.Y. 2017-18)

- 1. Name of the Department: Mechanical Engineering Dept.
- 2. Number of full time faculty: 32
- 3. Number of faculty on roll
 - a. Part time: Nil
 - b. Visiting: Nil
 - c. Temporary / contractual faculty: Nil
- 4. Number of UG courses: One
- 5. Number of Students: SE=206, TE=217, BE=216 Total=639
- 6. Curriculum Revision Information:

For curriculum revision letters are sent to the BoS members about modifications necessary in the revised syllabi.

- 7. Research:
 - a. Publications:
 - i. Research Journals

International: 163 National: 00 State: 00

ii. Books Published:

Reference Books: 00 Text Books: 00 Book Chapters: 00

- b. Conferences: International: 16 National: 06 State: 00
- c. Ph.D. Thesis: Submitted: Nil Awarded: Nil

8. Departmental Library:

- a. Printed Books Added: 200 + 100
- b. Web-resources, CDs Added: Nil
- c. e-Books Added : Nil
- 9. Number of faculty using ICT and PPTs/ Innovative teaching methods: 32

10. New equipment and Infrastructure Added:

- BMW engine is added.
- Skill development lab is setup.
- FFT analyzer added in DOM lab.
- iv) In Mechatronics lab following equipments are added:
- v) Pick and place robot, PLC trainer kit, Bottle filling plant, Temp controlled
- vi) PID, Data acquisition system, Water level indicator, DC motor speed controller

11. Strengths

- Qualified and motivated faculty
- b. Well equipped laboratory
- c. Required software are available in CAD lab
- d. Project based learning
- e. Value added courses are implemented

12. Weaknesses

- a. Less number of PhD
- b. Placement needs to improve
- c. Consultancy projects should be initiated
- d. More funded research projects

13. Weakness:

Research funding and participation of student at University, National and International level needs to improve

14. Student Feedback on

- a. Curriculum: Yes
- b. Teaching Learning Evaluation Processes: Yes

15. Recommended Actions:

1)	Placement	in core companies.
2)	Financial	Assistance for student
	activities	like BAJA, SUPRA, etc.

Head of Department

HEAD

Department of Mechanical Engineering Problemashree Dr. D.Y. Patil Institute of Engineer

Management 2 December 6

of Enginee Akurdi Puno - 44 方印

Auditor 1

(Dr. R. V. Bhortake)

Auditor 2

(Dr. S. R. Sakhare)



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Email: principal@dypiemr.ac.in

Departmental Profile for Academic Audit

(A.Y. 2017-18)

- 1. Name of the Department: Computer Engineering
- 2. Number of full time faculty: 21
- 3. Number of faculty on roll
 - a. Part time: Nil
 - b. Visiting: Nil
 - c. Temporary / contractual faculty: Nil
- 4. Number of UG courses : Nil
- 5. Number of Students: 430
- 6. Curriculum Revision Information: Yes
- 7. Research:
 - a. Publications: 62
 - i. Research Journals

International 16 National: 00 State: 00

ii. Books Published:

Reference Books: 00 Text Books: 02 Book Chapters: 00

- b. Conferences: International: 04 National: 00 State: 00
- c. Ph.D. Thesis: Submitted NIL Awarded: 01
- 8. Departmental Library:
 - a. Printed Books Added: 50

- b. Web-resources, CDs Added: 00
- c. e-Books Added: 00
- 9. Number of faculty using ICT and PPTs/ Innovative teaching methods: 21

10. New equipment and Infrastructure Added:

- 1. Server: Tower Model T430, Intel Xeon E5 2609v (1.7GHZ/8C/15MB/85W),8GB
 - DDR4 RAM.4TB SATA HDD.DVD writer, Embedded NIC
- 2. Colour Printer: HP laserjet pro colour printer
- 3. UPS: Powersafe 10 KVA UPS with 12 V SMF batteries, MSRack

11. Strengths

- Faculty are trained to take collaborative effort to achieve a common goal or to complete a task
 in the most effective and efficient way.
- Achieved the goal of increasing performance of students by getting more number of Distinction and First class in University Examination.
- · Provide encouragement and mentoring to students to excel in University examinations.
- Student participation in various National and State Level activities.
- Maximum number of Guest Lecture arranged under various professional bodies such as CSI, ISTE, ACM and curriculum subjects.
- · Arranging regularly industrial visit.
- · Conducting in-house technical training to increase placement ratio.
- · Maximum Faculty are motivated towards higher education.
- · Faculty is encouraged for participating in intercollegiate activities.
- · Faculty are self motivated to participate in Institute Level and Campus Level activities

12. Weaknesses

- · Unable to encourage every student to participate in various activities and training.
- Need improvement in attendance of students by increasing effectiveness of Teacher-Guardian system.
- Need to concentrate on increasing all clear percentage of students.
- Need to take effort in research grants and consultancies.

13. Student Feedback on

- a. Curriculum: Yes/No: Yes
- b. Teaching Learning Evaluation Processes: Yes / No: Yes

14. Recommended Actions:

examinations.

Mead expension Head expension

Department of Computer Engineering Dr. D.Y. Patil Institute of Engineer:



Auditor 1

16/07/2018

(Dr. R.V. Bhortoke)

Auditor 2 10 12018 (Dr. S. R. Sakhare)



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Website: www.dypiemr.ac.in
Email: principal@dypiemr.ac.in

Departmental Profile for Academic Audit

(A.Y. 2017-18)

- 1. Name of the Department: Civil Engineering
- 2. Number of full time faculty: 18
- 3. Number of faculty on roll: 18
 - a. Part time: Nil
 - b. Visiting: Nil
 - c. Temporary / contractual faculty: Nil
- 4. Number of UG courses: 01
- 5. Number of Students: 416
- Curriculum Revision Information: Faculties have participated in syllabus revision workshops. Also provide insights for the revision.
- 7. Research:
 - a. Publications:
 - i. Research Journals

International: 34 National: 00 State: 00

ii. Books Published:

Reference Books: 00 Text Books: 00 Book Chapters: 00

- b. Conferences: International:03 National:01 State:00
- 8. Ph.D. Thesis: Submitted: 01 Awarded: 01

9. Departmental Library:

- a. Printed Books Added: 160
- b. Web-resources, CDs Added: 00
- c. e-Books Added: 55

10. Number of faculty using ICT and PPTs/ Innovative teaching methods: 18

- i. Faculties are using various tools for teaching methods.
- ii. Google classrooms were used for ICT based teaching.
- iii. Also Google forms are used for online survey and feedbacks.
- iv. Mr Mayur Shinde has implemented innovative teaching methodology.

11. New equipment and Infrastructure Added: Nil

12. Strengths

- a. Department consists of team of experienced faculties.
- b. Department consists of conducive environment for faculties and students.
- c. Department is having excellent infrastructure consists of well equipped laboratories, ICT enabled class rooms.
- d. Department is association with Builders association of India which provides internships for the final year students.
- e. Department used to arrange large no of site visits, guest lectures and various events for the students.

13. Weaknesses:

- a. Core company placements count is less.
- b. Department is lacking in research fund and consultancy.

14. Student Feedback on

- a. Curriculum: Yes
- 15. Teaching Learning Evaluation Processes: Yes

	D and ad	Antioner
10.	Recommended	Actions.

)	Placements	ne	d lo	mprove	٠,
	Research				

HAKAM!

Head of Department

HEAD

Department of Civil Engineering Dr. D. Y. Patil Institute of Engineering Management & Research, Akurdi, Pune-411044



Auditor 1

16107/2018 (Dr. R.V. Bhortake)

Auditor 2 Sola nos 8

(Dr. S. R. Sakhare)



DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH

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Departmental Profile for Academic Audit

(A.Y. 2017-18)

- 1. Name of the Department: Chemical Engineering
- 2. Number of full time faculty: 08
- 3. Number of faculty on roll: 08
 - a. Part time: Nil
 - b. Visiting: Nil
 - c. Temporary / contractual faculty: Nil
- 4. Number of UG courses: 01
- 5. Number of Students: 200
- 6. Curriculum Revision Information: Nil
- 7. Research:
 - a. Publications:
 - i. Research Journals

International: 18 National: Nil State: Nil

ii. Books Published:

Reference Books: Nil Text Books: Nil Book Chapters: 01

- b. Conferences: International: 09 National: Nil State: Nil
- c. Ph.D. Thesis: Submitted : Nil Awarded: Nil
- 8. Departmental Library:
 - a. Printed Books Added: 14
 - b. Web-resources, CDs Added: Nil

- c. e-Books Added : Nil
- 9. Number of faculty using ICT and PPTs/ Innovative teaching methods: 08
- 10. New equipment and Infrastructure Added: Nil

11. Strengths

- a. BE Results
- b. Collaborative BE projects
- c. NPTEL courses by students and faculties
- d. Students internships for SE and TE

12. Weaknesses

- a. Funded Research Projects
- b. Consultancy projects & Patents
- c. Value added project to be introduced

13. Student Feedback on

- a. Curriculum: Yes/No
- b. Teaching Learning Evaluation Processes: Yes / No

14. Recommended Actions:

Head of Department

Dr. D. Y. Putil Institute of Engineering Management & Research, Akurdi, Pune-44

Auditor 1

Dept. o

(Dr. R.V. Bhortake)

Auditor 2





DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH

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Website::www.dypicmr.ac.in Email::principal@dypicmr.ac.in

Departmental Profile for Academic Audit

(A.Y. 2017-18)

- 1. Name of the Department: First Year Engineering Department
- 2. Number of full time faculty: 15
- 3. Number of faculty on roll
 - a. Part time : Nil
 - b. Visiting: Nil
 - c. Temporary / Contractual faculty: 12
- 4. Number of UG courses: 5
- 5. Number of Students: 527
- 6. Curriculum Revision Information:

For curriculum revision letters are sent to the BoS members about modifications necessary in the revised syllabi.

- 7. Research:
 - a. Publications:
 - i. Research Journals

International: 3 National: Nil State: Nil

ii. Books Published:

Reference Books: Nil Text Books: Nil Book Chapters: Nil

b. Conferences:

International: Nil National: Nil State: Nil

c. Ph.D. Thesis:

Submitted: Nil Awarded: 01

- 8. Departmental Library:
 - a. Printed Books Added: Nil
 - b. Web-resources, CDs Added: Nil
 - c. e-Books Added : Nil
- 9. Number of faculty using ICT and PPTs/ Innovative teaching methods: 15
- 10. New equipment and Infrastructure Added:

New Equipment's in Chemistry lab:-

- i) Ph meter:-2
- ii) Coloriemeter 2
- iii) Conductometer 2
- 11. Strengths
 - a. Teacher Guardian scheme for students
 - b. Highly qualified faculties (6 faculties with Ph. D. Qualification)
 - c. Use of ICT and Pedagogy activities for Effective Teaching
- 12. Weaknesses
 - a. Research Publications
 - b. Consultancy and IPR activity
- 13. Student Feedback on
 - a. Curriculum: Yes
 - b. Teaching Learning Evaluation Processes: Yes
- 14. Recommended Actions:

2). Should take efforts for patents and research findings.

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Dr. D. Y. Pattl Institute of Engineering

Management & Research

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10107/2018

(Dr. R.V. Bhortake)

Auditor 2

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[Dr. S. R. Sakhave)