

Evaluative Report of Department of Production Engineering

1. Name of the department: Department of Production Engineering

2. Year of Establishment: 1984

3. Names of Programmes / Courses offered:

Sr. No.	Name of the programme	Year of Establishment	Intake
1	UG- BE Production Engineering	1984	60
2	PG –ME Production Engineering	2006	18
3	Ph.D.	2008	-

4. Names of Inter disciplinary courses and the departments/units involved: Nil

5. Annual/ semester/choice based credit system (programme wise)

Sr. No	Name of the programme	Pattern/System(Annual/semester/choice based credit system)
1	BE Production Engineering	Semester wise credit based system (from AY 2015-16)
2	ME Production Engineering	Semester wise credit based system
3	Ph.D.	----

6. Participation of the department in the courses offered by other departments

Sr. No.	Name of the Department	Class	Name of the Course
1	Computer Engineering Department	FE	Engineering Graphics I
2	Computer Engineering Department	FE	Basic Mechanical Engineering
3	Computer Engineering Department	FE	Engineering Graphics- II
4	Electrical Engineering Department	TE	Industrial and Technology Management

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts

UG

	Sanctioned	Filled
Professors	02	02
Associate Professors	03	01
Asst. Professors	09	10

PG

	Sanctioned	Filled
Professors	01	01
Associate Professors	01	00
Asst. Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (A+B)*	No. of Ph.D. Students guided for the last 4 years
Dr. Keshav N. Nandurkar.	Ph.D.	Professor/ Principal	Production Engineering	30y 3m	05 Completed 01 Ongoing
Dr. Padmakar J. Pawar	Ph.D.	Professor/ HOD		21y 6m	06 Ongoing
Dr. Sanjaykumar R. Gangurde	Ph.D.	Professor		24y 7m	NA
Dr. Nanasaheb B. Gurule	Ph.D.	Associate Professor		19y 5m	NA
Amol S. Kamble	M.E.	Assistant Professor		12y 6m	NA
Sandip B. Gunjal	M.E.			14y 7m + 1y 6m	NA
Avinash B. Bhusnar	M.E.			12y 7m	NA
Amol A. Sonawane	M. Tech			4y 9m	NA
Mangesh Y. Khalkar	M.E.			7y 8m	NA
Sudish Ray	M.E.			7y 3m	NA
Neelambari K. Sonawane	M.E.			4y 8m	NA
Vaibhav S. Gaikwad	M. Tech			2y 6m + 1y 6m	NA
Anil D. Mandlik	M.E.			1y 8m + 10y	NA
Nilesh S. Wachaura	M. Tech			1y 7m + 2y	NA
Santosh B. Sangle	M. Tech.			1y 4m	NA

*A – Teaching Experience in K.K. Wagh Education Society

*B – Teaching Experience in Other institute + Industry

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary Faculty (AY: 2016-17)

Sr. No.	Class	Semester	Lect Delivered By temp faculty/Total Lectures conducted for the class (A/B)	Practical's Handled By temp faculty/Total Practical's Handled for the class (C/D)	Total (A+C)/(B+D)	Percentage
1	FE	I	20/204	09/48	29/252	11.50
2	SE	I	--	--	--	--
3	TE	I	--	--	--	--
4	BE	I	--	--	--	--
5	FE	II	--	--	--	--
6	SE	II	--	--	--	--
7	TE	II	--	--	--	--
8	BE	II	--	--	--	--

(AY: 2017-18)

Sr. No.	Class	Semester	Lect Delivered By temp faculty/Total Lectures conducted for the class (A/B)	Practical's Handled By temp faculty/Total Practical's Handled for the class (C/D)	Total (A+C)/(B+D)	Percentage
1	FE	I	54/225	25/63	79/288	27.43
2	SE	I	--	--	--	--
3	TE	I	--	--	--	--
4	BE	I	--	--	--	--
5	FE	II	87/207	24/45	111/252	44
6	SE	II	--	--	--	--
7	TE	II	--	--	--	--
8	BE	II	--	--	--	--

13. Student -Teacher Ratio (programme wise)

	2017-18	2016-17	2015-16	2014-15	2013-14
UG	14.83	15.76	17.57	15.14	14.75
PG	30.06	18.13	12.39	11.62	9.93

14. Number of academic support staff (technical) and administrative staff

Sr. No	Type of Staff	Sanctioned	Filled
1	Support Staff (Technical)	--	03 as on

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

Ph.D.	PG
04	11

16. Number of faculty with on-going projects

a) National: 02

b) International: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR and total grants Received

Sr. No.	Project Funded by	Duration	Principal Investigator	Project Title	Grand Sanctioned in Rs.
1	AICTE	2015-2016	Dr. P. J. Pawar	Modernization & Removal of Obsolescence Scheme (MODROBS) "Programmable Logic Controller"	5,88,235
2	Savitribai Phule Pune University	2015-2016	S. B. Gunjal	Experimental Investigations with Magnetic Abrasive Finishing (MAF) processes for nano-metric surface finish of hard to machine Metals	1,70,000
3	University of Pune – Pune	2013-2014	Dr. P. J. Pawar	Development of Redundant Manipulator System with Optimum Movement Control for Obstacle Avoidance	1,90,000
4	University of Pune	2009-10	N. B. Gurule	Development Of Powder Mixed Electrical Discharge Machining (PMEDM) System For Nano metric Surface Finish Of Hard-To-Machine Metals: An Experimental Study"	3,00,000
5	University of Pune	2007-08	Dr. P. S. Kalos	To develop an intelligent online monitoring & controlling system for turning operation	3,00,000
Total					15,48,235

18. Research Centre /facility recognized by the University

Research Centre in Production Engineering from 2008, of Savitribai Phule Pune University, Pune

19. Publications:

Number of Journal Publications by all faculty:	
Number of paper published in peer reviewed journal:	47
Number of publication listed in international database:	55
Books with ISBN Number /ISSN Number with detail of publisher:	---

Name of Faculty	Number of paper published in peer reviewed journal	Number of publication listed in international database	Citation Index	Impact Factor	H – index
1	Dr. K. N. Nandurkar	20	115	---	5
2	Dr. P. J. Pawar	20	557	Applied soft computing 3.288	11
3	Dr. S. R. Gangurde	8	38	---	3
4	Dr. N. B. Gurule	5	12	--	1
5	Prof. V. S. Gaikwad	2	8	--	0

20. Areas of consultancy and income generated – Nil**21. Faculty as members in****a) National Committees:**

Sr. No.	Name of the Faculty	Name of the Committee
1	Dr. K. N. Nandurkar	Chairman, IPE, Nashik Local Centre

b) International Committees: (Reviewers of journal, transactions) - Nil**Editorial Boards – Dr. K. N. Nandurkar****c) Any other committee:**

Dr. K. N. Nandurkar

- Member, Board of Studies (Production & Industrial Engineering) (2017-2018).
- Coordinator BOS (Production & Industrial Engineering) (2015-2017)
- BOS Chairman, Member of FOE & Academic Council(2014-2015)
- Elected as member of BOS and Faculty of Engineering, Sant Gadge Baba Amravati University, Amravati, India for second term
- Appointed as VC nominee for selection committee and Chairman LIC Committee for various institutes under SPPU Pune University.

Dr. P.J. Pawar

- Nominated as member BOS (Production & Industrial Engineering) 2015 onwards

22. Student projects

Academic Year	UG		PG	
	% of students who have done in-house projects	% projects in organization outside the Institute	% of students who have done in-house projects	% projects in organization outside the Institute
2017-18	40	60	100 %	--

2016-17	11	89	Nil	--
2015-16	31	69	Nil	100 %
2014-15	63	37	Nil	100 %
2013-14	09	91	Nil	100 %

23. Awards / Recognitions received by faculty and students

Academic Year	Total Number of students awards	Total Number of Faculty awards	Recognitions received by faculty
2017-18	-	02	-
2016-17	-	-	-
2015-16	08	-	-
2014-15	-	-	-
2013-14	-	01	-

University Toppers till date

Sr. No	AY	Class	Name of student	University rank	Percentage
1	2003-04	BE	Bhange Abhijit	1 st	70.60
2	2002-03	BE	Puranik Manish	2 nd	73.20
3	1998-99	BE	Kulkarni Nilesh	1 st	73.67
4	1997-98	BE	Sukhawani Ashwini	1 st	75.66
5	1995-96	BE	Ghode Manoj	1 st	71.73

24. List of eminent academicians and scientists / visitors to the department

Sr.No	Date	Name of visitors	Designation, Name of Affiliated Institute/ Company
A.Y. 2017-18			
1	02-04-2018	Mr. Anish Kulkarni Mr. Vaibhav Deo	Deputy Manager & Manager – Supply Chain Management Mahindra & Mahindra, Satpur, Nasik-422007
2	17-02-2018	Mr. Prashant V. Jagtap	Hindustan Aeronautics Limited,, Aircraft manufacturing Division Nashik, Ojhar Township, P.O. Nashik -422207
3	16-02-2018	Dr. D. K. Sakhare	Principal Scientist , Central Institute of Mining & Fuel Research (CIMFR), Nagpur- 440001
4	16-02-2018	Dr. Shripal Singh	Head, Sr. Principal Scientist & Scientist In charge, Central Institute of Mining & Fuel Research (CIMFR), Nagpur - 440001
5	13-01-2018	Mr. Jayesh C S. Pai	C.E.O, Access –CADD,2nd Floor , Guru Ashih, Opp.BSNL,Canada Corner, Nashik- 422002

6	16-9-2017	Mr. Santosh Jadhav	Deputy Manager , Mahindra & Mahindra Ltd – Nasik Plant, MIDC Satpur, Nashik - 422007
7	05-08-2017	Mr. Deepak Dattatraya Kolhatkar	Manager - Plant Administration, Thyssen Krupp, MidcGonde, Taluka - Igatpuri District:-Nashik -422403
8	18-07-2017	Mr. Shankarji Nagapure	State Head of Yuva Bharat Patanjli, Nashik - 422 010.
A.Y.2016-17			
1	11-02-2017	Yuvraj Vadaje	CEO, UV Knowledge Link Pvt. Ltd., Nashik – 422005
2	03-02-2017	Dipanjan Dey	Deputy Manager, Mahindra & Mahindra Ltd – Nasik Plant
3	20-01-2017	Atul Wagh	Senior Manager- Stamping Mahindra & Mahindra Ltd – Nasik Plant
4	08/12/2016	Dr. D. Datta	Scientist, BARC, Trombay, Mumbai-400085.
5	27-09-2016	Joseph Samson	Road Safety Expert & Trainer Mahindra & Mahindra Nashik -422009
6	03-09-2016	Yogeshwar Himmatrao Shirshat	CEO of serene care, 10, Nandanvan App, Tarwala Nagar, Dindori Road, Nashik, MH.
7	03-09-2016	Smita Bhamare	Owner Step Ahead Study Abroad Consultancy, No.03,Suyash Park,Near Samrat Sweets, Rajiv Nagar,Nashik-422009
8	27-08-2016	Sandeep Sambhaji Aher	Co-founder of eLuminous Technologies, IT Park-29/7, Near Power House,MIDC Ambad, Ambad Industrial Area, Nashik, Maharashtra, India - 422010
9	20-08-2016	Lohit Ravindra Chaudhary	Senior Officer (R&D Automation), INNOVA Rubbers Pvt. Ltd.
10	06-08-2016	Vilas Daga	HR Consultant Nashik
11	30-07-2016	Rakesh Jadhav	Assistant Manager –HUV Quality Assurance, Mahindra & Mahindra, Pune Plant
12	16-07-2016	Ravindra Rikame	Assistant Manager –R&D, Larsen & Toubro(L&T) Limited
13	09-07-2016	Shri. D. S. Bhujbal	Scientist ‘D’ Vehicle Research and Development Establishment (VRDE), Vahannagar, Ahmednagar
14	25-06-2016	Gagare Santosh Babanrao	Principal, Gurukul Education Society’s Institute of Engineering & Technology, Nandgaon.
A.Y.15-16			
15	02-01-2016	Mr. Shri Ganesh Borse	Manager

			Siemens PLM Pune
16	23-01-2016	Mr. Sameer S. Dohole	Asst. Manager – Sourcing (ADS) Atlas Copco India Limited Nashik
17	19-12-2015	Mr. Samarth P. Bansole	Engineering / Manufacturing Management Executive Nashik-
18	30-01-2016	Mr. Satish B. Patil	Vice President SS Chemicals Bhilai, Chhattisgarh
19	08-08-2015	Mr. Rahul Mahajan	(Deputy General Manager), Mahindra & Mahindra
A.Y.14-15			
20	07-03-2015	Dr. Sanjeevan Shashikant Deodhar	Director Marketing, Vatsal Ayurvedic Products (P) Ltd, Ojhar, Nashik
21	28-02-2015	Mr. Balaji A. Shingare	Manager – SCM, ABB India Ltd, Nashik
22	24-12-2014	Mrs. Sulabha Mhaske	Project Manager, Cisco Systems, North Carolina, USA
23	20-09-2014	Mr. Mandar Puranik	Engineer, Bosch India Ltd, Nashik
24	14-09-2014	Mr. Shrikant Padhye	Chairman, SMP Engineers Pvt. Ltd., Nashik
A.Y.13-14			
25	02-01-2016	Mr. Shivram Gopal Krishnan ,	GM Sustainability, TATA Motors, Pune
26	23-01-2016	Dr. Satish S. Ubale B.Sc., M.Sc., M.M.S., Ph.D.	Director, Matrix Business School
27	19-12-2015	Mr. Krishnan Raghunathan	Head- Sales & Marketing, TATA VIOM Network
28	30-01-2016	Mr. Pradip Gosavi,	Asst. Manager, Mahindra & Mahindra Logistics (Aluminous of Production Dept.)
29	08-08-2015	Dr. Aditi Mishal	(Management Consultant)

25. Seminars/ Conferences/Workshops organized & the source of funding

Sr No	Year	Name of Seminars/ Conferences/Workshops	Level	Source of Funding
01	2017- 18	2 nd AIMTDR Student Conference 2018	State	Self Sponsored
		INVASION 2018	State	Self Sponsored
		Workshop on Artificial Intelligence: Research & Application	State	Self Sponsored
		Workshop on Fuzzy Logic and its Application	State	Self Sponsored
02	2016- 17	INVASION 2017	State	Self Sponsored
		International Conference on Manufacturing Excellence	International	University

				Sponsored
		Soft Computing: application in Engineering	State	Self Sponsored
		Syllabus Revision of TE (Production/Production SW/Industrial Engineering) 2015 Credit Course	State	University Sponsored
03	2015-16	INVASION 2016	State	Self Sponsored
		Optimization Aspects of Robotic & Computer Integrated Manufacturing	State	Self Sponsored
		1st AIMTDR Students Conference on “Advances in Industrial Engineering, Manufacturing, Tool Design and Robotics	State	Self Sponsored
06	2014-15	Research Methodology: Recent Trends & Applications	State	Self Sponsored
		Advanced Statistical Methods for Tool & Die Design	State	Self Sponsored
		INVASION 2015	State	Self Sponsored
07	2013-14	INVASION 2014	State	Self Sponsored

26. Student profile programme/course wise:

Academic Year (Graduation)	UG- Production Engg				
	Applications received	Selected (Admission in F.E.)	Enrolled		Pass percentage
			*M	*F	
2017-18	Centralised admission process governed by DTE.	48	39	09	NA
2016-17		57	53	4	
2015-16		58	47	11	
2014-15		66	57	09	
2013-14		62	54	08	

Academic Year (Graduation)	PG- Production Engg				
	Applications received	Selected (Admission in M.E.I)	Enrolled		Pass percentage
			*M	*F	
2017-18	Centralised admission process governed by DTE	1	0	1	NA
2016-17		1	1	0	
2015-16		06	6	0	
2014-15		10	10	0	
2013-14		07	07	0	

*M = Male *F = Female

27. Diversity of Students

Name of the program :UG- Production Engg

Name of the Course	Year	% students from same state	% students from other state	% students from abroad
UG- Production Engg	2017-2018	100	00	00
UG- Production Engg	2016-2017	98.25	1.75	0
UG - Production Engg	2015-2016	98.27	1.73	0
UG - Production Engg	2014-2015	98.48	1.12	0
UG - Production Engg	2013-2014	98.38	1.16	0

Name of the program: PG- Production Engg

Name of the Course	Year	% students from same state	% students from other state	% students from abroad
ME - Production Engg	2017-2018	100	00	00
ME - Production Engg	2016-2017	100	0	0
ME - Production Engg	2015-2016	83.33	16.7	0
ME - Production Engg	2014-2015	90	10	0
ME - Production Engg	2013-2014	87.5	12.5	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Sr. No.	Academic Year	GRE & TOEFL	MBA -CET	GATE
1	2017-18	01	--	02
2	2016-17	04	--	03
3	2015-16	01	--	01
4	2014-15	08	06	05
5	2013-14	04	--	06

29. Student progression (Format to be kept as per original SSR)

Student progression/ Year	UG to PG	PG to M.Phil.	PG to Ph.D.	Ph.D. to Post-Doctoral
2016-17	1	Nil	Nil	Nil
2015-16	3	Nil	Nil	Nil
2014-15	7	Nil	Nil	Nil
2013-14	10	Nil	Nil	Nil

Employed/ Year	Campus Selection	Other than campus recruitment	Entrepreneurship/Self-employment
2017-18	11	--	Nil
2016-17	02	12	Nil
2015-16	15	5	Nil

2014-15	9	12	Nil
2013-14	12	7	Nil

30. Details of Infrastructural facilities

a) Library

	Total No. of Books	Total No. of Titles		Total No. of	Total No. of Titles
UG	300	300	PG	84	84

b) Internet facilities for Staff & Students

Shared 155 Mbps Leased line internet connections for Staff & Students

c) Class rooms with ICT facility: 4 ICT enabled classrooms and 1 seminar hall available

Sr. No.	Class	Class Room No.	Area
1	Class Room 1	D301	78.75 Sq. m each
2	Class Room 2	D302	
3	Class Room 3	D401	
4	Class Room 4	D402	

d) Laboratories :

Sr. No.	Room No.	Lab Name	Lab. Area	Equipment Cost
1	D306-I	Engg. Metallurgy	105 m ²	1199908.00
2	D303-I	Automation Lab	105 m ²	938388.00
3	G107	Metrology Lab	50 m ²	709967.00
4	D308	Computer Graphics Lab	175 m ²	5187782.00
5	-	Cutting Tool Engg. (Shared with workshop)	256 m ²	46948.00
6	D303-II	Robotics Lab	70 m ²	468600.00
7	D306-II	Foundry Testing Lab.	70 m ²	166445.00
8	D406-II	Die and Mould Design Lab.	70 m ²	52410.00

31. Number of students receiving financial assistance from college, university, government or other agencies

A. Y.	Scholarship					Freeship				
	SC	OBC	VJNT	SBC	ST	SC	OBC	VJNT	SBC	ST
2017-18	16	46	12	2	2	7	52	11	1	2
2016-17	13	40	15	3	3	10	50	5	1	1
2015-16	14	40	20	4	1	7	44	8	2	2
2014-15	16	46	14	0	1	10	46	12	1	1
2013-14	14	44	14	3	3	11	29	5	1	0

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts

Sr. No.	Date Of Expert Lecture	Topic	Speaker
1	02-04-2018	Risk Mitigation and Management at various Manufacturing plants	Mr. Anish Kulkarni, Deputy Manager – Supply Chain Management & Mr. Vaibhav Deo, Manager – Supply Chain Management Mahindra & Mahindra, Satpur Nasik-422007
2	26-02-2018	Sensor Technology	Mr. Ajay Haylij Strama Summit Machinery Pvt. Ltd Plot NO-F-88, MIDC Ambad, Nasik-422010
3	17-02-2018	Quality Assurance	Mr. Prashant V. Jagtap Hindustan Aeronautics Limited, Aircraft manufacturing Division Nashik, Ojhar Township, P.O., Nashik District, Maharashtra -422207
4	16-02-2018	Air Pollution	Dr. D. K. Sakhare Principal Scientist Central Institute of Mining & Fuel Research (CIMFR), Nagpur- 440001
5	16-02-2018	Coal Science	Dr. Shripal Singh Head, Sr. Principal Scientist & Scientist In charge Central Institute of Mining & Fuel Research (CIMFR), Nagpur - 440001
6	02-02-2018	Productivity Improvement Techniques	Mr. Makrand Joshi Director J. J. Industries Nasik-422010
7	25-01-2018	Automation with Mechatronics	Mr. Chetan Bhaskar Thakare Business Unit Head Electrical & Software Strama Summit Machinery Pvt. Ltd Plot NO-F-88, MIDC Ambad, Nasik-422010
8	13-01-2018	Simulation of Plant Operations, Tool Design and Industry4.0	Mr. Jayesh C S Pai, C.E.O Access –CADD 2nd Floor , Guru Ashsih, Opp.BSNL,Canada Corner, Nashik- 422002

9	05-01-2018	Advance in Manufacturing Technology	Mr. BHAURAO M SONAWANE Sr. Manager (HR- Training & Organizational Development) Hindalco Industries Limited Ahura Centre, B-Wing, 1st Floor, 82, Mahakali Caves Road, Andheri, Mumbai, Maharashtra 400093
10	30-12-2017	Startup Opportunities in Plastic Moulding Industries	Mr. Subhash D Rajguru, Director, Maharudra Career and Management Academy OM Gurudev 04 N32-P030-08, Ganesh Chowck, New Cidco Nasik – 425009
11	16-9-2017	Advance Product Management System	Mr. Santosh Jadhav Deputy Manager Mahindra & Mahindra Ltd – Nasik Plant, MIDC Satpur, Nashik - 422007
12	31-8-2017	Career Opportunities with CATIA- BIW	Sandip Borse, Marketing Manager, & Mr. Amol Walhe, Project Manager Access –CADD 103/4, Guru Ashish, Opp. BSNL ,Canada Corner Nashik - 422002
13	05-08-2017	Road Safety – Issues and Challenges	Mr. Deepak Dattatraya Kolhatkar, Manager - Plant Administration, Thyssen Krupp, MidcGonde, Taluka -Igatpuri District- Nashik -422403
14	29- 07-2017	Design and Development of Industrial System	Mr. Pradeep Sharma J P Enterprises F-20MIDC Satpur, Nashik - 422007
15	22-07-2017	Application of Robotics in Production Engineering	Mr. Sunil Mule Robochamps Learning Hub, Opp. Vasant Market, Gangapur Link Road, Nashik - 422005
16	18-07-2017	Importance of Yoga for Youth	Mr. Shankarji Nagapure State Head of Yuva Bharat Patanjli Nasik - 422 010.
17	08-07-2017	Practical Exposure of Industry work for upcoming Engineers	Mr. Deepak Kulkarni Anand Nagar, Near Iachamani Ganpati Temple, Upnager, Nashik- 422002
18	01-07-2017	How to plan your Career in ER&D Using CAD CAE Software	Mr. Amol Walhe Project Manager & Mr. Deepak Kale Design Engineer Access –CADD 103/4, Guru Ashish, Opp. BSNL

			,Canada Corner, Nashik - 422002
1	11-02-2017	Current scenario of Automotive Industry & Job Prospects	Yuvraj Vadaje, CEO, UV Knowledge Link Pvt. Ltd., Nashik – 422005
2	03-02-2017	Quality Assurance System	Dipanjan Dey, Deputy Manager, Mahindra & Mahindra Ltd – Nasik
3	28-01-2017	Youth in Today's Education System	Pritesh Ramdas Kare, Sahyadri Farms Producer Co.Ltd, Nashik- 422206
4	20-01-2017	Stamping for Automobiles and Stamping Presses	Atul Wagh, Senior Manager- Stamping Mahindra & Mahindra Ltd – Nasik Plant
5	07-01-2017	Motivational Workshop for S.E Students	Subodh Deshmukh, CEO, Rangshtra Textiles, Hyderabad
6	07-01-2017	Light Weight Materials for Automotive Application	Vijay Kumar S. Jatti, Associate Professor J S P M college of Engineering, Hadapsar, Pune
7	31-12-2016	How to Avoid Procrastination	Sunil Dhantigan, Mechanical Engineer Lean Management Consultant, Nasik
8	27-9-2016	Road Safety	Joseph Samson, Road Safety Expert & Trainer Mahindra & Mahindra Nashik - 422009
9	10-9-2016	Tools for Manufacturing Industries	Anil Ambarsing Jadhav, Asst Manger Research & Development ,CTR Manufacturing Ltd, Ambad, Nashik -422009
10	03-09-2016	Step Ahead Study Abroad	Smita Bhamare, Owner, Step Ahead Study Abroad Consultancy, No.03,Suyash Park,Near Samrat Sweets, Rajiv Nagar,Nashik-422009
11	03-09-2016	Entrepreneurship Development	Yogeshwar Himmatrao Shirshat, CEO of serene care 10, Nandanvan App, Tarwala Nagar Dindori Road, Nashik, Maharashtra, India.
12	27-8-2016	Startup India Standup India for Production Engineering	Sandeep Sambhaji Aher, Co-founder of eLuminous Technologies, IT Park- 29/7, Near Power House, MIDC Ambad, Ambad Industrial Area, Nashik, Maharashtra, India - 422010
13	20-8-2016	Industrial Automation	Lohit Ravindra Chaudhary, Senior Officer (R&D Automation), INNOVA Rubbers Pvt. Ltd
14	06-8-2016	Effective HR Techniques	Vilas Daga, HR Consultant Nashik
15	30-7-2016	Manufacturing Executive System	Rakesh Jadhav, Assistant Manager – HUV Quality Assurance, Mahindra & Mahindra
16	16-7-2016	Industrial Awareness & Communication	Ravindra Rikame, Assistant Manager –R&D, Larsen & Toubro(L&T) Limited

17	09-7-2016	Shock and Vibration Based Design	D. S. Bhujbal, Scientist 'D' Vehicle Research and Development Establishment (VRDE), Vahannagar, Ahmednagar
18	25-6-2016	Entrepreneurship and Export Awareness	Gagare Santosh Babanrao, Principal, Gurukul Education Society's Institute of Engineering & Technology, Nandgaon. (Polytechnic)

33. Teaching methods adopted to improve student learning

1. Discussion on different topics identifying groups
2. Discussion of GATE questions in classroom
3. Presentation and discussion on case studies
4. Use of MOOCS. (MECR/NPTEL etc.)
5. Simulation software's
6. Prototypes/Models
7. Preparation and discussion of MCQ's in classroom
8. Question formation and solving by the students.
9. Discussing content beyond syllabus
10. Demonstrations in the laboratory
11. Conducting Session by Expert faculty.
12. Comprehensive Assignment
13. Mini project

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participation in NSS activities

Sr. No	Academic Year	No. of students worked	
		Male	Female
1	2017-18	23	4
2	2016-17	19	6
3	2015-16	25	1

Sr. No.	Academic Year	No. of students worked	
		Male	Female
4	2014-15	26	3
5	2013-14	25	4

35. SWOC analysis of the department and Future plans

<p>Strengths</p> <ol style="list-style-type: none"> 1. Well qualified and experienced staff 2. Excellent teaching – learning process 3. Accredited two times in the past by NBA 4. Excellent spirit of team work and coordination among staff members 5. Adequate variety and number of activities organized by the department for the staff and students 6. Active research centre 	<p>Weakness</p> <p>The department needs to</p> <ol style="list-style-type: none"> 1. Upgrade laboratory equipment 2. Increase association with professional bodies 3. Retain experienced staff 4. Equip all the classrooms with audio – visual aids 5. Instil research culture within the department
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Opportunities <ol style="list-style-type: none">1. Consultancy in the field of manufacturing2. Entrepreneurship because of “Make in India” and “Start up India” schemes	Challenges <ol style="list-style-type: none">1. To keep students opting for Production Engineering as a career option2. To increase the placements of Production Engineering students3. To create awareness in society about the importance of Production Engineering
Future plans <ol style="list-style-type: none">1. To initiate new Techniques in developing the students to face modern methods of Personality Test and Interviews.2. To make the department Hub for Entrepreneurship and Placement.3. Centre of excellence4. Industry training for faculty and industry persons	