



**SHAHAJIRAO PATIL VIKAS PRATISHTHANS. B. PATIL COLLEGE OF
ENGINEERING, INDAPUR, DIST: PUNE.**

S. B. PATIL COLLEGE OF ENGINEERING, INDAPUR, DIST: PUNE.

DEPARTMENT OF MECHANICAL ENGINEERING

ACA – R-77	Departmental Annual progress report	Academic Year: 2019-20
Rev : 00		Semester: I / II
Date: 01.07.2014		

Ref: SPVP/SBPCOE/MECH/2019-20/F21/

“NAAC Accredited“

Date: 31/06/2020

To,
The Principal,
SBPCOE, Indapur.

Subject: Submission of departmental annual progress report for AY 2019-20.

R/sir,

With reference to above subject we are submitting herewith our departmental annual progress report.

A. Strength of Class

Sr. No.	Class	Strength of Class
1	SE Mechanical	41
2	TE Mechanical	49
3	BE Mechanical	100

B. Result:

Class: B. E. Mechanical Engineering

	Subject	HP	CAD	DOM	ELE-I	ELE-II	EE	MSD	IE	AMP
Subject wise Result	Passed students	100	100	100	100	100	99	99	99	98
	Failed students	0	0	0	0	0	0	0	0	1
	Absent Students	0	0	0	0	0	1	1	1	2
	Appeared Students	100	100	100	100	100	100	100	100	99
%tage Result		100	100	100	100	100	99	99	99	98



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Over All Result of Class SE	TOTAL students	100	Total First Class	34
			% First Class	34.00
			Total FCD	21
	All clear students	93	% First Class with Distinction	21.00
			All clear % result	93.00
			Total % tage result with ATKT	100.00
	Total ATKT	NA		
	% ATKT Result	100.00		

BE Mechanical Topper AY 2019-20 Sem-II		
Name of Students	SGPA	Rank
SHINDE SHIVANI ARUN	8.74	I
JADHAV VAIBHAV SADASHIV	8.68	II
SONNE PANDURANG NARAYAN	8.52	III

Class: TE Mechanical Engineering

	Subject	DME-I	HT	TOM	TM	MQC	NMAO	DME-II	RAC	MTX	MP-II
Subject wise Result	Passed students	24	23	33	18	38	42	39	43	42	47
	Failed students	25	22	11	26	10	7	10	6	7	2
	Absent Students	00	04	05	05	01	00	00	00	00	00
	Appeared Students	49	45	44	44	48	49	49	49	49	49
%tage Result		49.00	51.10	75.00	40.90	79.20	84.00	78.00	86.00	84.00	94.00

Over All Result of Class SE	TOTAL students	49	Total First Class	30
			% First Class	61.22
			Total FCD	13
	All clear students	34	% First Class with Distinction	26.53
			All clear % result	69.38
			Total % tage result with ATKT	93.87
	Total ATKT	12		
	% ATKT Result	24.48		



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TE Mechanical Topper AY 2019-20 Sem-II		
Name of Students	SGPA	Rank
KHATAKE SATYAJIT TANAJI	8.85	I
JADHAV SWAPNIL TANAJI	8.8	II
GAIKWAD AMIT RAVINDRA	8.76	III

Class: SE Mechanical Engineering

	Subject	MP-I	THD	MS	SOM	M-III	FM	TOM-I	EM	ATD	EEE
Subject wise Result	Passed students	32	25	20	18	18	40	40	40	40	40
	Failed students	7	14	19	20	21	0	0	0	0	0
	Absent students	2	2	2	3	2	1	1	1	1	1
	Appeared Students	39	39	39	38	39	40	40	40	40	40
%tage Result		82	82.05	64.1	51.28	47.36	100	100	100	100	100

100

Over All Result of Class SE	TOTAL students	41	Total First Class		08
			% First Class		20.00
			Total FCD		06
	All clear students	30	% First Class with Distinction		14.63
	Total ATKT	15	All clear % result		34.14
	% ATKT Result	50.00	Total % tage result with ATKT		100.00

SE Mechanical Topper AY 2019-20 Sem-II		
Name of Students	SGPA	Rank
DABADE SAMADHAN DILIP	9.58	I
BONGANE HRUSHEEKESH DNYANADEV	9.22	II
JADHAV RUSHIKESH DIPAK	8.68	III



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C. Student Achievement:

1) Paper Publication

Sr. No.	Name of the Teacher/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	SHINDE MAHESH	Design Analysis & Optimization of Centrifugal Blower	IRJET	Volume 6 & pg no-1060-1068	Nov 2019	Issue 11, S.NO:105
2	NANDGUDE SHUBHAM	Design Analysis & Optimization of Centrifugal Blower	IRJET	Volume 6 & pg no-1060-1068	Nov 2019	Issue 11, S.NO:105
3	POOJA MAGAR	Design Analysis & Optimization of Centrifugal Blower	IRJET	Volume 6 & pg no-1060-1068	Nov 2019	Issue 11, S.NO:105
4	TAVATE CHAITANYA K.	Design Analysis & Optimization of Centrifugal Blower	IRJET	Volume 6 & pg no-1060-1068	Nov 2019	Issue 11, S.NO:105
5	SHINDE AKSHAY R.	Performance Enhancement of Closed loop Thermosyphon	JETIR	vol-06	Dec 19	
6	RAWTAR FIROZ K.	Performance Enhancement of Closed loop Thermosyphon	JETIR	vol-06	Dec 19	
7	SHETE SACHINE S.	Performance Enhancement of Closed loop Thermosyphon	JETIR	vol-06	Dec 19	
8	CHAVAN ADITYA S.	Performance Enhancement of Closed loop Thermosyphon	JETIR	vol-06	Dec 19	
9	GANGALE SITARAM	Design Analysis & Optimization of Drag Chain Conveyor	IRJET	vol-06	Dec-019	
10	KHANAT VIPUL	Design Analysis & Optimization of Drag Chain Conveyor	IRJET	vol-06	Dec-019	
11	KALE RAJARAM	Design Analysis & Optimization of Drag Chain Conveyor	IRJET	vol-06	Dec-019	
12	CHAVAN SWAPNIL	Design Analysis & Optimization of Drag Chain Conveyor	IRJET	vol-06	Dec-019	
13	YADAV PRITAM A.	Design and Development of Vegetable Harvester	IRJET	Vol-06 pg no-358-361	Nov 2019	ISSN: 2395-0056
14	RASKAR ABHISHEK R.	Design and Development of Vegetable Harvester	IRJET	Vol-06 pg no-358-361	Nov 2019	ISSN: 2395-0056
15	NIMBALKAR AJAY S.	Design and Development of Vegetable Harvester	IRJET	Vol-06 pg no-358-361	Nov 2019	ISSN: 2395-0056
16	RANAWARE ABHIJEET H.	Design and Development of Vegetable Harvester	IRJET	Vol-06 pg no-358-361	Nov 2019	ISSN: 2395-0056
17	GHOHARE AKASH	Design, Analysis & optimization of pipe stack heat exchanger(22m)	IRJET	Volume: 06 Issue: 10 pg no-660-662	Oct 2019	ISSN: 2395-0072



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18	JADHAV VAIBHAV	Design, Analysis & optimization of pipe stack heat exchanger(22m)	IRJET	Vol-06 Issue: 10, pg no-660-662	Oct 2019	ISSN: 2395-0072
19	MALI PRATIK	Design, Analysis & optimization of pipe stack heat exchanger(22m)	IRJET	Vol-06 Issue: 10, pg no-660-662	Oct 2019	ISSN: 2395-0072
20	NEWASE SAGAR	Design, Analysis & optimization of pipe stack heat exchanger(22m)	IRJET	Vol-06 Issue: 10, pg no-660-662	Oct 2019	ISSN: 2395-0072
21	MARKAD RAJENDRA G.	Design and Development of thermal management of Fuel Cell	IJERT	Vol 8, Issue 10, pg no 158-162	Oct-2019	ISSN: 2278-0181
22	DHAKTODE SHUBHAM H.	Design and Development of thermal management of Fuel Cell	IJERT	Vol 8, Issue 10, pg no 158-162	Oct-2019	ISSN: 2278-0181
23	CHORMAL SACHINE B.	Design and Development of thermal management of Fuel Cell	IJERT	Vol 8, Issue 10, pg no 158-162	Oct-2019	ISSN: 2278-0181
24	CHAUDHARI VAIBHAV M.	Design and Development of thermal management of Fuel Cell	IJERT	Vol 8, Issue 10, pg no 158-162	Oct-2019	ISSN: 2278-0181
25	EIJGAR SHUBHAM S.	Design and Manufacturing of Battery drive motorizes Agriculture weeder	JETIR	Vol 6, Issue 6, pg no-889-891	June-2019	ISSN-2349-5162
26	ADSUL SIDDHANATH S.	Design and Manufacturing of Battery drive motorizes Agriculture weeder	JETIR	Vol 6, Issue 6, pg no-889-891	June-2019	ISSN-2349-5162
27	RAUT SANGRAM R.	Design and Manufacturing of Battery drive motorizes Agriculture weeder	JETIR	Vol 6, Issue 6, pg no-889-891	June-2019	ISSN-2349-5162
28	VYAVHARE NIKHIL K.	Design and Manufacturing of Battery drive motorizes Agriculture weeder	JETIR	Vol 6, Issue 6, pg no-889-891	June-2019	ISSN-2349-5162
29	SHINDE ABHIJIT	Design, analysis and improvement of manufacturing process for reducing failure modes of drag chain for fertilizer material	IJSRD	Vol 7, Issue 09, pg no - 194-196	2019	
30	PAWAR SWAPNIL S.	Design, analysis and improvement of manufacturing process for reducing failure modes of drag chain for fertilizer material	IJSRD	Vol 7, Issue 09, pg no - 194-196	2019	
31	ABHIJIT KALE	Design, analysis and improvement of manufacturing process for reducing failure modes of drag chain for fertilizer material	IJSRD	Vol 7, Issue 09, pg no - 194-196	2019	
32	RUSHIKESH BARGE	Design, analysis and improvement of manufacturing process for reducing failure modes of drag chain for fertilizer	IJSRD	Vol 7, Issue 09, pg no - 194-196	2019	



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		material				
33	MAHAJAN YASH GOPAL	Design and Analysis of Biogas Digester	IRJET	Volume 6, Issue 11, S.NO:78, pg no-426-429	Nov 2019	
34	NALE PRADIP S.	Design and Analysis of Biogas Digester	IRJET	Volume 6, Issue 11, S.NO:78, pg no-426-429	Nov 2019	
35	SALUNKE PAVAN R.	Design and Analysis of Biogas Digester	IRJET	Volume 6, Issue 11, S.NO:78, pg no-426-429	Nov 2019	
36	YADAV YOGESH M.	Design and Analysis of Biogas Digester	IRJET	Volume 6, Issue 11, S.NO:78, pg no-426-429	Nov 2019	
37	SAWANT ABHIJIT S.	Development of Hybrid two wheeler operating on CNG and Petrol	IJSRD	Vol. 7, Issue 08, pg no-525-528	2019	ISSN-2321-0613
38	SHAISH MANE D.	Development of Hybrid two wheeler operating on CNG and Petrol	IJSRD	Vol. 7, Issue 08, pg no-525-528	2019	ISSN-2321-0613
39	SHINDE PANDURANG P.	Development of Hybrid two wheeler operating on CNG and Petrol	IJSRD	Vol. 7, Issue 08, pg no-525-528	2019	ISSN-2321-0613
40	PINGLE AKSHAY K.	Development of Hybrid two wheeler operating on CNG and Petrol	IJSRD	Vol. 7, Issue 08, pg no-525-528	2019	ISSN-2321-0613
41	KHUMBHAR ADESH J.	Heat Transfer In Liquid Jet Impingement	IRJET	Vol-06 Issue: 10	Oct 2019	
42	KADAM RANJEET R.	Heat Transfer In Liquid Jet Impingement	IRJET	Vol-06 Issue: 10	Oct 2019	
43	MILE ANIKET S.	Heat Transfer In Liquid Jet Impingement	IRJET	Vol-06 Issue: 10	Oct 2019	
44	PATIL SANDEEP B.	Heat Transfer In Liquid Jet Impingement	IRJET	Vol-06 Issue: 10	Oct 2019	
45	NAMDEO SHINDE	Design of Solar power Autonomous water boat for water quality and quantity mesurement	IJERT	Vol-08 Issue 09, pg no-720-723	Sept-2019	
46	BHAGAT DATTA	Design of Solar power Autonomous water boat for water quality and quantity mesurement	IJERT	Vol-08 Issue 09, pg no-720-723	Sept-2019	
47	SONNE PANDURANG N.	Design of Solar power Autonomous water boat for water quality and quantity mesurement	IJERT	Vol-08 Issue 09, pg no-720-723	Sept-2019	
48	SONAVANE SANDIP R.	Design of Solar power Autonomous water boat for water quality and quantity mesurement	IJERT	Vol-08 Issue 09, pg no-720-723	Sept-2019	
49	DHAVAL AISHWARYA D.	Development of E-Bike for improve motor efficiency	IRJET	Volume: 06 Issue: 12, pg	Dec 2019	



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				no-585-588		
50	SHINDE SHIVANI A.	Development of E-Bike for improve motor efficiency	IRJET	Volume: 06 Issue: 12, pg no-585-588	Dec 2019	
51	DIVASE PRADIP D.	Development of E-Bike for improve motor efficiency	IRJET	Volume: 06 Issue: 12, pg no-585-588	Dec 2019	
52	DEVSHETE MAYUR V.	Development of E-Bike for improve motor efficiency	IRJET	Volume: 06 Issue: 12, pg no-585-588	Dec 2019	
53	MANE SHITAL B.	Design ,Analysis and Optimization of E-Bike	IRJET	Volume: 06 Issue: 11, pg no-1597-1599	Nov 2019	
54	GAWADE ANJALI A.	Design ,Analysis and Optimization of E-Bike	IRJET	Volume: 06 Issue: 11, pg no-1597-1599	Nov 2019	
55	DHUMAL SURAJ T.	Design ,Analysis and Optimization of E-Bike	IRJET	Volume: 06 Issue: 11, pg no-1597-1599	Nov 2019	
56	WAGHMODE PANKAJ	Design ,Analysis and Optimization of E-Bike	IRJET	Volume: 06 Issue: 11, pg no-1597-1599	Nov 2019	
57	ANPAT TEJAS M.	Design And Development of Air Prehater to Improve Engine Effiiciency	IJSRD	Vol. 7, Issue 10	2019	
58	JOSHI MANDAR S.	Design And Development of Air Prehater to Improve Engine Effiiciency	IJSRD	Vol. 7, Issue 10	2019	
59	KALE SACHIN S.	Design And Development of Air Prehater to Improve Engine Effiiciency	IJSRD	Vol. 7, Issue 10	2019	
60	PAWAR SHRIRAM	Design And Development of Air Prehater to Improve Engine Effiiciency	IJSRD	Vol. 7, Issue 10	2019	
61	MULANI SARTAJ AJIM	Fabrication of Roller Bending Machine	IRJET	Vol-06, Issue- 11	Nov 2019	
62	MULANI SAJIT KHULBALIN	Fabrication of Roller Bending Machine	IRJET	Vol-06, Issue- 11	Nov 2019	
63	SHINDE RUSHIKESH RAJABHAU	Fabrication of Roller Bending Machine	IRJET	Vol-06, Issue- 11	Nov 2019	
64	BHUJBAL SAURABH PRAMOD	Fabrication of Roller Bending Machine	IRJET	Vol-06, Issue- 11	Nov 2019	

Staff Achievement

Sr. No	Name of the Staff	Name of the Event	Date/Period of event	Organized By
AY 2019-20 Semester: I				
1	Dr. S. G. Kolgiri	One Day Online Webinar on "Post Covid World- Career Opportunities for Engineers"	26 Aug 2020	
		One Day Online Webinar on "Role of Mechanical Engineers in Energy Sector"	30 Aug 2020	



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		One Day Attended a webinar on "BS VI-emerging vehicles"	15 Sept 2020	Mechanical Department SBPCOE, Indapur.
		Two Days Online Workshop on "Road Safety Awareness Program"	3 rd and 4 th Sept 2020	Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE, Indapur
		One Days Online webinar on "Insights of NIRF Ranking "	26 th Sept 2020	Research and Development SBPCOE, Indapur and Dr Sudeep Thepade Prof, PCCOE Pune were the session speaker.
		One Days Online webinar on "TPO-Enhancement of Employability "	18 Sept 2020	T & P Department SBPCOE, Indapur.
2	Prof. D. U. Adhasure	Two Days Online Workshop on "Road Safety Awareness Program"	3 rd and 4 th Sept 2020	Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE, Indapur
3	Prof. K. M. Kare	One Days Online webinar on "TPO-Enhancement of Employability "	18 Sept 2020	Organized by T & P Department SBPCOE, Indapur.
		One Day Online Webinar on "Role of Mechanical Engineers in Energy Sector"	30 Aug 2020.	
		One Day Online Webinar on "Post Covid World- Career Opportunities for Engineers"	26 Aug 2020.	
		Two Days Online Workshop on "Road Safety Awareness Program"	3 rd and 4 th Sept 2020	Organized by Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE, Indapur.
4	Prof. G. N. Khare	One Days Online webinar on "TPO-Enhancement of Employability "	18 Sept 2020	Organized by T & P Department SBPCOE, Indapur.
		One Day Attended a webinar on "BS VI-emerging vehicles "	15 Sept 2020	Organized by Mechanical Department SBPCOE, Indapur.
		Two Days Online Workshop on "Road Safety Awareness Program"	3 rd and 4 th Sept 2020	Organized by Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE, Indapur
		One Day Online Webinar on "Post Covid World- Career Opportunities for Engineers"	26 Aug 2020	
5	Prof. A. V. Amrute	Two Days Online Workshop on "Road Safety Awareness Program"	3 rd and 4 th Sept 2020	Organized by Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE, Indapur
6	Prof. S. A. Deshmukh	One Day Attended a webinar on "BS VI-emerging vehicles "	15 Sept 2020	Organized by Mechanical Department SBPCOE, Indapur.
		Two Days Online Workshop on "Road Safety Awareness Program"	3 rd and 4 th Sept 2020	Organized by Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE, Indapur
		one Day Online Webinar on "Role of Mechanical Engineers in Energy Sector"	30 Aug 2020	



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		one Day Online Webinar on “Post Covid World- Career Opportunities for Engineers”	26 Aug 2020	
		One Days Online webinar on “TPO-Enhancement of Employability “	18 Sept 2020	Organized by T& P Department SBPCOE, Indapur.
7	Prof. K. L. Pavai	One Days Online webinar on “TPO-Enhancement of Employability “	18 Sept 2020	Organized by T& P Department SBPCOE, Indapur.
		One Day Online Webinar on “Post Covid World- Career Opportunities for Engineers”	26 Aug 2020	
		Two Days Online Workshop on “Road Safety Awareness Program”	3 rd and 4 th Sept 2020	Organized by Honda Motorcycle and Scooter India Pvt. Ltd and Mechanical Department SBPCOE , Indapur
		One Day Attended a webinar on "BS VI-emerging vehicles “	15 Sept 2020	Organized by Mechanical Department SBPCOE, Indapur.
8	Prof. S. N. Gaikwad	One Days Online webinar on “TPO-Enhancement of Employability “	18 Sept 2020	Organized by T& P Department SBPCOE, Indapur.
		One Day Online Webinar On “Introduction to FEA”	21 Aug 2020	
		One Day Online Webinar on “Role of Mechanical Engineers in Energy Sector”	30 Aug 2020	
		One Day Attended a webinar on "BS VI-emerging vehicles “	15 Sept 2020	Organized by Mechanical Department SBPCOE, Indapur.

D. Events organized by the department

Sr. No	Title	Organized Date	Coordinator	Activity details
1.	A Tech Talk Alumni Webinar series “SBPCOE’s Dexterous Alumni”	1 July to 7 July 2020.	Prof. Kolgiri S.G.	Discuss with our alumni.
2.	One Day Online Webinar on “Post Covid World-Career Opportunities for Engineers” held at,	26 Aug 2020	Prof. Gaikwad S.N.	Mr Bippin Dattar CMO and Sr V P at Klaus Multiparking systems India was the session speaker for this Webinar.
3.	Two Days Online Workshop on “Road Safety Awareness Program”	3 rd and 4 th Sept 2020 by	Prof. Gaikwad S.N.	Honda Motorcycle and Scooter India Pvt. Ltd, Mr Swapnil Jawharkar was the session speaker for this Workshop.
4.	One Day Online Webinar on “Role of Mechanical	30 Aug 2020.	Prof. Khare G.N. and Prof.	Discussion regarding Role of Mechanical Engineers in Energy



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	Engineers in Energy Sector"		Kare K.M.	Sector"
5.	Organized One Day Attended a webinar on "BS VI-emerging vehicles “	15 Sept 2020	Prof. Khare G.N. and Prof. Kare K.M.	Organized by Mechanical Department SBPCOE, Indapur.

**Prepared by
Prof. D.U. Adhasure**

**HOD
Dr. S.G. Kolgiri**