

PERIYAR CENTENARY POLYTECHNIC COLLEGE

PERIYAR NAGAR - VALLAM -THANJAVUR - 613 403

AUTONOMOUS INSTITUTION

DEPARTMENT OF MECHANICAL ENGINEERING

ACTIVITIES REPORT –2018 -2019

AWARDS RECEIVED BY FACULTY/STUDENTS

❖ **100% result award**

The following faculty members have produced **100% Result Award** for the subject Distribution and Utilization during the year 2018-2019.

SL.NO	FACULTY NAME	SUBJECT NAME
1	K.Saravanakumar	Computer Design and Manufacturing
2	K.Gopi	Process Planning and Cost Estimation
3	S.Jeevanandam	Process Planning and Cost Estimation
4	S.Maniarasan	Refrigeration and Air Conditioning
5	D.Rajkumar	Machine Drawing
6	M.Kumar	Machine Drawing
7	D.Muthukumaran	Industrial and Management & Special Machines
8	S.Rajasekaran	Renewable Energy and Energy Conservation
9	S.Dhanapal	Electrical Drives and Control

❖ **Best out going Student Award**

Selvan K.Vigneshwaran, III year Mechanical Engineering received the Best out going student award during the academic year 2016- 2019.



❖ **Best Science Project Award "Tree climber".**

S.NO	NAME OF THE STUDENTS	GUIDE NAME
1.	Hariharasudhan.s Harish kumar .s.k Iniyavan.c Jayasundar.n Johnson.p	Mr.D.Rajkumar



❖ **Best Hostel student Award**

Selvan C.INIYAVAN III Year Mechanical Engineering received the Best Hostel student award during the year 2018-2019



❖ **Best Hostel Room Award**

Selvan C.INIYAVAN III Year Mechanical Engineering received the Best Hostel Room award during the year 2018-2019



❖ Sports

❖ Annual Sports Meet 2018-2019

❖ Kabaddi

S. No	Name of the Student	Prize	Year
1	T.Ragupathy	1 st Prize	III Year
2	P.Amarjith	1 st Prize	III Year
3	S.Ajay	1 st Prize	III Year
4	A.Ashraf	1 st Prize	III Year
5	N.Vignesh	1 st Prize	III Year
6	S.Subash	1 st Prize	III Year
7	A.Kalaiselvan	1 st Prize	III Year
8	R.Arunraj	1 st Prize	III Year
9	V.Vijayarman	2 nd Prize	III Year
10	M.Nilavan	2 nd Prize	III Year
11	Kabilan	2 nd Prize	III Year
12	M.Rohith	2 nd Prize	II Year
13	M.Hariharan	2 nd Prize	II Year
14	A.Balathulasi Manickam	2 nd Prize	II Year

❖ **Volley ball**

S. No	Name of the Student	Prize	Year
1	P.Deepak Kumar	1 st Prize	III Year
2	M.Manikandan	1 st Prize	III Year
3	M.Ranjith	1 st Prize	III Year
4	Mohana Kannan	1 st Prize	III Year
5	G.Veeramani	1 st Prize	III Year
6	C.Kalishwaran	1 st Prize	II Year
7	B.Santhosh	1 st Prize	II Year
8	M.Iyyapan	2 nd Prize	II Year
9	A.Vignesh	2 nd Prize	II Year
10	S.Karthik Raja	2 nd Prize	III Year
11	A.Balathulasi Manickam	2 nd Prize	II Year

❖ **100 Mts**

S. No	Name of the Student	Prize	Year
1	A.Radha Krishnan	3 rd Prize	II Year

❖ **200 Mts**

S. No	Name of the Student	Prize	Year
1	R.Ajay	3 rd Prize	II Year

❖ **400 Mts**

S. No	Name of the Student	Prize	Year
1	G.Veeramani	3 rd Prize	III Year

❖ **Volley ball –Divisional**

S. No	Name of the Student	Prize	Year
1	P.Deepak Kumar	2 nd Prize	III Year
2	R.Subash	2 nd Prize	III Year
3	M.Iyyapan	2 nd Prize	III Year
4	M.Ranjith	2 nd Prize	III Year

5	A.Vignesh	2 nd Prize	II Year
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❖ **Basket ball – Divisional**

S. No	Name of the Student	Prize	Year
1	S.Kaliya Perumal	3 rd Prize	III Year

❖ **Hockey**

S. No	Name of the Student	Prize	Year
1	G.Veeramani	I st Prize	III Year

❖ **100 % Attendance**

The following students received the appreciation certificate for the 100% attendance during the academic year 2018- 2019.

Sl.No	Name	Year
1	Akash E	III
2	Harish Kumar S K	III
3	Iniyavan C	III
4	Karthi G	III
5	Karthik P	III
6	Nishanth K V	III
7	Prasanna S	III
8	Praveen S	III
9	Vasudevan V	III
10	Vigneshwaran K	III
11	Vijayarvarman V	III
12	Ajithkumar S	II
13	Maheshwaran M	II
14	Raja Prabu M	II
15	Rajkumar G	II
16	Raj Ragavendra V	II
17	Sanjairajan P	II
18	Sivabalan P	II

19	Surya B	II
20	Vasantha Kumar S	II
21	Vikash P	II
22	Yeswanth K	II
23	Kasinathan S	II



❖ **Best NSS Award**

Selvan C.Iniyavan III Year Mechanical Engineering received the Best NSS volunteer award during the year 2018-2019

❖ **AUTONOMOUS RESULT**

OCTOBER -2018 V – SEMESTER

Sl. No	Name of the Subject	Name of the Staff Handled	Total No. of Students	No. of Students Appeared	No. of Students Passed	%
1.	Design of Machine elements	Mr. K.Saravana kumar Mr. M.Kumar	136	136	132	97.05
2.	Thermal and Automobile Engineering	Mr.S.Jeevanandam Mr.S.Rajasekaran	136	135	130	96.29
3.	Process Planning and Cost Estimation	Mr. K.Gopi Mr.S.Jeevanandam	136	135	135	100
4.	Renewable Energy Sources and Energy Conservation	Mr.S.Rajasekaran Mr.L.Viveknijanthan	136	134	132	98.51
5.	Process Automation Practical	Mr.D,Muthukumara n	136	130	127	97.69
6.	Thermal and Automobile Engineering Practical	Mr.S.Jeevanandam Mr.S.Rajasekaran	136	127	127	100
7.	Life and Employability Skills Practical	Mrs.R.Ramanidevi	136	129	129	100

No. of Students Appeared : 136

Total No. of Students Passed : 116 OVERALL PERCENTAGE = 85.29 %

III- SEMESTER

Sl. No	Name of the Subject	Name of the Staff Handled	Total No. of Students	No. of Students Appeared	No. of Students Passed	%
1.	Strength of Materials	Mr. S.Maniarasan Mr. X. George fernantes	145	142	139	97.98
2.	Manufacturing Processes	Mr. K.Gopi Mr.D,Muthukumaran	145	143	137	95.80
3.	Machine Drawing	Mr. D.Raj kumar Mr. M.Kumar	145	143	143	100
4.	Computer Applications and CAD Practical	Mr. S.Maniarasan Mr. X.George Fernantes	145	143	143	100
5.	Foundry and Welding Practical	Mr. K.Saravanakumar Mr.L.Viveknijanthan	145	142	141	99.29
6.	Lathe and Drilling Practical	Mr. K.Gopi Mr.D,Muthukumaran	145	140	139	99.28
7.	Metrology and Metallography Practical	Mr. D.Raj kumar Mr. M.Kumar	145	141	138	97.87

No. of Students Appeared : 143 No. of Students Passed : 128

OVERALL PERCENTAGE = 89.51%

APRIL 2019-III YEAR VI SEM

Sl. No	Name of the Subject	Name of the Staff Handled	No. of Students registered	No. of Students Appeared	No. of Students Passed	%
1.	Industrial Engineering & Management	Mr.D.Rajkumar Mr.D.Muthukumaran	135	133	132	99.24
2.	Computer Aided Design & Manufacturing	Mr.K.Saravana Kumar Mr.S. Jeevanandam	135	134	132	98.50
3.	Refrigeration & Air Conditioning	Mr. S.Rajasekaran Mr.L.Viveknijanthan	135	135	134	99.25
4.	Computer Aided Design & Manufacturing Practical	Mr.K.Saravana Kumar, Mr.L.Viveknijanthan Mr.S. Jeevanandam	135	131	131	100
5.	Machine Tool Testing & Maintenance Practical	Mr. S. Maniarasan Mr.M. Kumar	135	134	134	100
6.	Refrigeration & Air Conditioning Practical	Mr.S. Rajasekaran Mr. X. George fernantes & Mr.L.Viveknijanthan	135	132	132	100
7.	Project Work	Mr.K.Saravana Kumar Mr.K. Gopi	135	134	134	100

No. of Students Appeared : 135

No. of Students Passed : 128

OVERALL PERCENTAGE = 94.81%

IV- SEMESTER

Sl. No	Name of the Subject	Name of the Staff Handled	No. of Students registered	No. of Students Appeared	No. of Students Passed	%
1.	Heat power engineering	Mr.S.Maniarasan Mr. M.Kumar	144	144	131	90.97
2.	Special machines	Mr.K.Gopi Mr.D.Muthukumaran	144	144	134	93.05
3.	Fluid Mechanics & Fluid Power	Mr.S.Varadarajan Mr. X. George Fernantes	144	143	139	97.20
4.	Electrical Drives & Control	Mr. M.Kumar Mr. S. Rajasekar Mr. D.Rajkumar Mr.S.Maniarasan	144	144	123	85.41

5.	Strength Of Materials & Fluid Mechanics Practical	Mr. X. George Fernantes Mr. D.Rajkumar	144	137	137	100
6.	Special Machines Practical	Mr.D.Muthukumaran Mr.K.Gopi	144	142	140	98.59
7.	Electrical Drives & Control Practical	Mr.S. Dhanapal	144	129	125	96.89

No. of Students Appeared : 144

No. of Students Passed : 107

OVERALL PERCENTAGE = 74.30%

Review of the department activities

➤ Passed out student details

Passed out students (2016-2019)

Total No of Students - 135
Passed out - 123

➤ **Placement-2019**

Sl.No	Company Name	Selected students
1	Ford	53
2	Hosur Industrial Association (HIA)	45
3	Hinduja Global Solution	05
4	Saint Gobain India	01
5	Sakthi Auto Component Ltd	01
6	Larsen & Toubro (L & T)	08
7	Hyundai , Chennai	33
8	Lucas TVS, Pondicherry	41
9	Rane (Madras), Pondicherry	01

➤ **Higher Studies Students**

44 students have gone for higher studies

ACADEMIC PERFORMANCE-APRIL 2019

2016-2019 BATCH

Semester	I sem	All clear	II sem	All clear	III SEM	All clear	IV sem	All clear	V sem	All clear	VI sem	All clear
Appeared	106		102		139		137		136		135	
Passed	97	97	93	91	119	114	116	115	116	114	128	123
Percentage	92		91		85.61		84.67		85.29		94.81	

2017-2020 BATCH

Semester	I sem	All clear	II sem	All clear	III sem	All clear	IV Sem	All clear
Appeared	115		115		143		144	
Passed	98	98	107	106	128	126	107	107
Percentage	85.21		93.04		89.51		74.30	

2018-2021 BATCH

Semester	I sem	All clear	II Sem	All clear
Appeared	115	92	110	100
Passed	92		102	
Percentage	80		92.72	

PROJECT LIST 2016 – 2019

Sl. No	Guide Name	Reg No	Name of the Student	Titles
1	Mr.K.Saravana Kumar B.E.,	11116001 11116002 11116003 11116004 11116005 11116006	Aakash.A Ajay.A Ajith edward.M Akash.E Akash.V Amarjith.P	Waste Disposal Control In Trains At Railway Station Premises.
2	Mr . K.Gopi B.E.,	11116007 11116008 11116009 11116010 11116012 11116013	Andrus.A Aravindan.S Aravinth.K Arulprakash.P Arunkumar.V Arun kumar.B	Shell And Tube Heat Exchanger
3	Mr. M.Kumar B.E.,	11116014 11116015 11116016 11116017 11116018 11116019	Arun Kumar.R Arunraj.G Avinas.G Avinash.R Ayyappan.B Balachandar.C	Automatic Indexing Mechanism
4	Mr.S.Maniarasan B.E.,	11116020 11116021 11116022 11116023 11116024 11116025	Balaji.M Bharanidharan.S Bharathi Kannan.V Dinakaran.D Girigar Jon.A Gokul.R	Design And Fabrication Of Polythene Bag Shredder
5	Mr.D.Rajkumar B.E.,	11116026 11116028 11116030 11116031 11116032 11116033	Gopianand.M Hariharasudhan.S Harish Kumar .S.K Iniyavan.C Jayasundar.N Johnson.P	Design And Fabrication Of Tree Climber

6	Mr.D.Muthukumaran, B.E.,	11116034 11116035 11116036 11116037 11116038 11116039	Kabilan.B Kabilan.S Kalaiselvan.A Kalith Hussain.M Kaliyaperumal.S Kannan.M	Design And Fabrication Of Chip Crushing Machine
7	Mr. X. George Fernantes, B.E.,	11116040 11116041 11116042 11116043 11116044 11116045	Karan.R Karthi.G Karthik.P (07.06.2000) Karthik.P (12.8.2001) Kathiravan.M Kishorekumar.M	Design And Fabrication Of Compressed Air Engine Modified With Turbo Charger
8	Mr..S. Jeevanandam M.Tech.,	11116046 11116048 11116049 11116051 11116054 11116055	Kishore Kumar.S Madhan.J Madhusuthanan.S Manikandan.S Martin.F Mathavan.V	Design And Fabrication Of Solar Air Cooler
9	Mr..S. Rajasekar B.E.,	11116056 11116058 11116059 11116060 11116061	Mohamed Salmon.M Mohana Kannan.V Nelson.S Nilavan.M Nishanth.K.V	Drone With Camera For Automatic Door Opening And Closing
10	Mr .L. Vivek Nijanthan Btech.,	11116062 11116063 11116064 11116065 11116066	Poovarasam.D Pradeep.S Pragatheshwaran.M Prasanna.S Prasanth.R	Water Purification Using Uv Rays
11	Mr.K.Saravana Kumar B.E.,	11116068 11116069 11116070 11116071 11116072	Praveen.P Praveen.S Praveen Kumar.B Premnath.U Prithiviraj.M	Design And Fabrication Of Rotational Pipe Welding
12	Mr.K.Gopi B.E.,	11116073 11116074 11116075 11116076 11116078	Raghavan.R Ragupathi.T Raimand Packiam.S Raja.P Ramkumar.R	Hydraulic Press Machine For Foundary Ramming Machine
13	Mr.M.Kumar B.E.,	11116079 11116080 11116082 11116083 11116084 11116085	Ranjith.M Ranjithkumar.T Sanjai.R Santhosh.C Sasikaran.S Seenivasan.K	Design And Fabrication Of Pedestal Spot Welding
14	Mr.S.Maniarasan B.E.,	11116086 11116087 11116088 11116089 11116091 11116092	Selvendran.R Sesualexander.S Sivanesh.J Subash.S (2000) Subhash.M Surendra Kumar.M	Design And Fabrication Of L – Clamp Cam Based Punching Machine

15	Mr.D.Rajkumar B.E.,	11116093 11116094 11116095 11116097 11116098 11116100	Suresh.P Suriya Moorthy.V Suriyaprakash.V Surya.E Tamilvendhan.R Udhayakumar.P	Design And Fabrication Of Profile Bending Machine
16	Mr.D.Muthukumaran, B.E.,	11116101 11116102 11116103 11116104 11116105 11116106	Vasudevan.V Veeramani.G Venkat.K Vignesh.K Vigneshwaran.E Vigneshwaran.K	Design And Fabrication Of Motorized Wheel Chair
17	Mr. X. George Fernantes,B.E.,	11116107 11116108 11116109 11116110 11116111 11116112	Vijai.S Vijayarman.V Wilson.M Yogaraj.B Yogeshwaran.P Gokulakrishnan.G	Design And Fabrication Of Hybrid Refrigerator
18	Mr..S. Jeevanandam M.Tech.,	21117113 21117114 21117115 21117116 21117117 21117118	Adhavan .M Ahamed. Y Ajay .S Ajithkumar .S Akilan. K Anbu Surya. K	Design And Fabrication Of Automatic Wash Basin
19	Mr..S. Rajasekar B.E.,	21117120 21117121 21117122 21117123 21117124 21117125	Arunkumar. S(07.07.2001) Arunraj .R Ashraf .A Balachandar. T Bharath Kumar .B Deepakkumar. P	Design And Fabrication Of Child Rescue System For Borewell
20	Mr..L. Vivek Nijanthan B.Tech.,	21117126 21117127 21117128 21117129 21117130 21117131	Dhinesh Kumar. S Elayakavi .R Ezhilarasan. P Hariharan. P Karthikraja .S Mathan .E	Design And Fabrication Of Hand Operated Multipurpose Machine (Drilling, Slotting & Cutting)
21	Mr.K.Saravana Kumar B.E.,	21117132 21117133 21117134 21117135 21117136 21117137	Muralitharan. R Muruganandam .V Muthu. R Muthupandi .N Naveenkumar .S Prakash.S	Design And Fabrication Of Pedal Operated Flour Mill
22	Mr.K.Gopi B.E.,	21117138 21117139 21117140 21117141 21117142	Praveenkumar .G Rahupathi. R Ranjith .M Santhosh Kumar . S Sheikibukan S. B	Design And Fabrication Of Cooling Tower
23	Mr.M.Kumar B.E.,	21117143 21117144 21117145 21117146 21117147	Srikaran. R Subash .R Sundaramoorthy. R Thuyavan. R Vignesh .N	Design And Fabrication Of Aluminium Can Crusher

24	Mr.S.Maniarasan B.E.,	21117148 21117149 21117150 21117151 21117152	Vignesh .S Vignesh. T Vijayan .P Vinoth Kumar. S Vishnu .S	Design And Fabrication Of Automatic Inside And Outside Lapping Machine
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DEPARTMENT ASSOCIATION

Guest Lecture

S. No	Date	Year/Sem	Topic	Resources Persons
1.	30.01.2019	II/IV	Hydraulic Machines	Dr.K.Kannan Hod/Mechanical Anjalai Ammal Mahalingam Engineering College,kovilvenni
2.	31.01.2019	III/VI	Industrial awareness	Mr.R.Saravanakumar Engineers cadd Toyota krioshar motors pvt.ltd
3	04.02.2019	II/IV	Expansion process of steam	Mr.A.Arun B.E.M.Tech Asst professor Mechanical Department, Arasu engineering college kumbakonam
4	15.02.19	III/VI	Refrigeration and Air Conditioning	Dr .J.Kingston Barnabas Asst professor Mechanical Department, Anjalai Ammal Mahalingam Engineering College,kovilvenni



EMDP

Sl.No	Date	Year/Sem	Topic	Resource person
1	30.01.2019	III/VI	CIM	Mr.G.Senthilkumar Prim tech-Thanjavur
2	09.03.2019	II/IV	Heat power engineering	Mr.N.Sivakumar Asst professor Mechanical Department, Periyar Maniammai institute of science & technology vallam
3	11.03.2019	III/VI	Industrial automation	Mr.P.Arul murugan Artison,BHEL Trichy
4	14.06.2019	III/V	Personality Development	Mr.R.Ayyanathan Lect/English PCPC, Vallam



Other programmes for the students

Continuing Education

The following courses have been organized for the students.

S.No	Name of the Subject	Year / Sem	Date
1.	Industrial safety	III / VI	December 2018 to February 2019
2.	Nx-CAD	II / IV	December 2018 to February 2019

PERIYAR SCIENCE CLUB

Sl.No	Name of the Student	Year/Sem	Topic	Prize/
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				Participated
1	Hariharasudhan.s Harish kumar .s.k Iniyavan.c Jayasundar.n Johnson.p	III/VI	Design And Fabrication Of Tree Climber	I Prize
2	Ranjith.m Ranjithkumar.t Sanjai.r Santhosh.c	III/VI	Design And Fabrication Of Pedestal Spot Welding	Participated
3	Vasudevan.v Vigneshwaran.k	III/VI	Design And Fabrication Of Motorized Wheel Chair	Participated
4	Vijai.s Vijayarman.v Yogeshwaran.p	III/VI	Design And Fabrication Of Hybrid Refrigerator	Participated



Maniammaiar Centenary celebration -2019

Essay competition held on 8.03.2019 venue-PMIST

S. No	Name of the Student	Prize	Year
1	M.Adalf Ricky	I st	II

Parent-Teachers Meeting

- Parents-teachers meeting was organized on 11.01.2019. They were informed about the student Performance, Attendance Particulars, Placement Opportunities Higher Studies and coaching class details.

