

**K.L.N. COLLEGE OF ENGINEERING, Pottapalayam – 630 612****Final Year Project list 2016-2017****Branch: Mechanical Engineering****Batch : 2013-2017****Subject Code & Name: ME6811&Project Work****Sem:VIII**

<b>S.No</b>	<b>Reg no</b>	<b>Name Of Student</b>	<b>Name of Guide</b>	<b>Title</b>	<b>PROJECT NUMBER</b>
<b>1.</b>	910613114055 910613114031 910613114011	N.Mohammed Arif K.C.Gobi V. Anbarasan	Mr. K.K. Arun vignesh Asst Prof-2	Improvement of Productivity by mounting cell	KLNCE/PRO/MECH/2016-17/ 001
<b>2.</b>	910613114107 910613114084 910613114087 910613114070	T.M Vignesh K. Saravanan K.J.Senthel N.B.Prabhu	Mr.G.R.Raghav Asst Prof-2	Failure Analysis of Bolt Forging Transfer Arm Spring	KLNCE/PRO/MECH/2016-17/ 002
<b>3.</b>	910613114001 910613114014 910613114109	M.R.Ajai N.G. Aravind K.G.Vigneshbabu	Mr. K.J. Nagarajan Asst Prof-2	Design and fabrication of face cream blending machine	KLNCE/PRO/MECH/2016-17/ 003
<b>4.</b>	910613114078 910613114072	S.S.Ramkumar N. Pranav	Mr. T.L. Vijaya kumar Asst Prof-2	Value Stream Mapping of 15GL water heater	KLNCE/PRO/MECH/2016-17/ 004
<b>5.</b>	910613114061 910613114062 910613114071	P.R.Naveen R. Nirmalkumar K.A.Prabhukarthik	Mr.N.Nagasubramaniam, Asst.Prof-2	Numerical investigation of conjugate natural convection in a square enclosure with Al <sub>2</sub> O <sub>3</sub> and Cu water based Nano fluids	KLNCE/PRO/MECH/2016-17/ 005
<b>6.</b>	910613114085 910613114052 910613114030	V. Saravanan K.Maheshwaran V. Dwaraga kannan	Mr.S.Nallathambi Asst Prof-2	Enhancement of Heat Transfer for Electronic Devices using Heat Pipe with Nano Fluid	KLNCE/PRO/MECH/2016-17/ 006
<b>7.</b>	910613114027 910613114028 910613114059	V. Desikaraman K. Dinesh kumar K. Muthupandi	Mr.P. Sabarinath ASP	Porosity Analysis in Brake Drum	KLNCE/PRO/MECH/2016-17/ 007
<b>8.</b>	910613114025 910613114037	K.S. Barath Narayanan M. Indian	Mrs.B.Devi, AP	Design and Fabrication of Seed releasing Mechanism using drone	KLNCE/PRO/MECH/2016-17/008

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9.	910613114115 910613114050 910613114074	T.R Vishnuchand M.Madhana Gopalan R.R.Praveen Kumar	Mr.M.Satheesh Kumar Asst Prof-2	CFD Analysis of Double Pipe Helical Coil Heat Exchanger	KLNCE/PRO/MECH/2016-17/ 009
10.	910613114029 910613114041 910613114051	R.Diwahar S.Kannan A.Madhan kumar	Mrs.B.Devi Asst Prof-2	Design and fabrication of Self- Maintaining solar power system	KLNCE/PRO/MECH/2016-17/ 010
11.	910613114067 910613114068 910613114066	A.V.Prabhagar R.Prabakar V.Piraisudan	Mr.T.L. Vijayakumar Asst Prof-2	To Design a Die and Fixing Sensor to avoid Tool Breakage in Broaching Operation	KLNCE/PRO/MECH/2016-17/ 011
12.	910613114108 910613114015 910613114086	T.S.Vignesh M.Aravinth Raj Kumar M.Satheesh	Mrs.B.Devi Asst Prof-2	Process capability improvement and setting time Reduction	KLNCE/PRO/MECH/2016-17/ 012
13.	910613114076 910613114303 910613114090 910613114310	C.Ramanathan V.S.Ganeshkumar K.V.SiddharthBabu M.Manikandan	Mr. R.Ashokkumar Asst.Prof(SG)	Effect of reinforcement of SiC and alumina through welded zone of friction stir welded AA6101 and AA1350 aluminium alloys	KLNCE/PRO/MECH/2016-17/ 013
14.	910613114003 910613114018 910613114021	G.C.Aajy C.M.Arunkumar G.Arunpandi	Mr.R.Pandiarajan Asst Prof-2	Corrosion behavior of Alumi- nium based Metal Matrix Composites reinforced with SiC	KLNCE/PRO/MECH/2016-17/ 014
15.	910613114010 910613114023 910613114309	S.Anand G.Balachandar M.Kithiyon	Mr.R.Pandiarajan Asst Prof-2	Metallurgical and Mechanical characterization of stir cast AA6061-SiC composite	KLNCE/PRO/MECH/2016-17/ 015
16.	910613114024 910613114004 910613114034	O.M.Balaji M.Ajithkumar R.Gowtham	Dr.M.R.Thansekhar Professor	Experimental investigation of flow Mal-Distribution in wavy Micro Channel	KLNCE/PRO/MECH/2016-17/ 016
17.	910613114035 910613114043 910613114042	S.Gunalaa B.Karthick Raja M.Karthikeyan	Mr.K.K. Arun Vignesh	Implementation of 5S concept in BSNL depot store	KLNCE/PRO/MECH/2016-17/ 017
18.	910613114012 910613114040 910613114022	A.AntonyLourdu Griffin R.M.Kannan C. Azarrudheen	Mr.T.L. Vijayakumar	Design and fabrication of trimming equipment	KLNCE/PRO/MECH/2016-17/ 018

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19.	910613114118 910613114116 910613114069	C.R.J Yoganath T.R.Vishnu Kumar M.T. Prabhu	Mr.R. Ashok Kumar, Assistant Professor (SG)	Effects of Reinforcement of Alumina through Weld Zone Of Friction Stir Welded AA6101 and AA1350 Aluminium Alloys	KLNCE/PRO/MECH/2016-17/ 019
20.	910613114013 910613114100 910613114319	M. Anu Santhoshini R.Thiruvenkadasamy R. Vigneshwaran	Dr. A.N. Balaji, Professor	Characterization of Green Coconut Empty Fruit Bunch Fibre-Reinforced Polymer Composites	KLNCE/PRO/MECH/2016-17/ 020
21.	910613114117 910613114102 910613114096 910613114005	J.JVishnuvardhan J. Venkatesh M. Subash N. Ajith Kumar	M.r.K.J. Nagarajan, Assistant Professor -2	Mechanical Properties of Bamboo And Rice Husk Reinforced Polyester Resin	KLNCE/PRO/MECH/2016-17/ 021
22.	910613114063 910613114065 910613114082 910613114083	A.S. Nithin Chand T. Parthasarathi S. SaiVignesh K.P.SandeepSekhar	Mr. M.A. Saravanan., Assistant Professor-2	Heat Transfer and Friction Factor Studies in pipe with Swirl Generator	KLNCE/PRO/MECH/2016-17/ 022
23.	910613114064 910613114017 910613114901	V. Palaniyappan S. Arun Krishnan A.K. Govindan	Mr.M.Satheesh Kumar Assistant Professor-2	CFD analysis of shell and tube heat exchanger	KLNCE/PRO/MECH/2016-17/ 023
24.	910613114026 910613114057 910613114058	J.H.Bharath K.S.Muraliprasad V.Muthappan	Mr. N.Nagasubramanian, Assistant Professor-2	Numerical Investigation of Conjugate Natural Convection in a Square Enclosure With Al <sub>2</sub> O <sub>3</sub> and Cu water based Nano fluids with linearly Varying Temperature on Left Wall	KLNCE/PRO/MECH/2016-17/ 024
25.	910613114110 910613114092 910613114105 910613114315	S. Vigneshwaran I. Sonaimuthu K.M. Vignesh S. Saravanan	Mr. T.Samynathan, Assistant Professor-2	Implementation Of Underlinking Paint Tray and Rollers Using Hydraulic Cylinder	KLNCE/PRO/MECH/2016-17/ 025
26.	910613114048 910613114056 910613114075	N.Lakshmanan T. Mohan Raj S. Rahul	Mr.T.L.Vijaykumar, Assistant Professor-2	Low Cost Automation By Improving Productivity In Press Shop	KLNCE/PRO/MECH/2016-17/ 026

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27.	910613114002 910613114036 910613114112	B. Ajay K. Illavarasu T.S.Vinayak	Mrs.C.Anbumeenakshi, Assistant Professor (SG)	Implementation of Lean Concepts to Improve Productivity in sheet metal industry – Madras radiators and pressing Ltd.	KLNCE/PRO/MECH/2016-17/ 027
28.	910613114007 910613114009 910613114008 910613114053	S.Ajith Kumar B.R.Anand L.M.Akilarajan V.Manoj	Mrs. B.Devi, Assistant Professor-2	Productivity Improvement in dispenser Assembly Line Using Line Balancing concept with VSM	KLNCE/PRO/MECH/2016-17/ 028
29.	910613114038 910613114044 910613114089 910613114033	R. Jawaharpandiyan G.Karthik Raja S. Shiva S. Gokulraj	Mr. M.A. Saravanan., Assistant Professor-2	Product Improvement in Cover Sealed Brake	KLNCE/PRO/MECH/2016-17/ 029
30.	910613114311 910613114111 910613114114	B.Muthuvelpandian V.Vijendrapandi M.Vinothkumar	Mr.G.R.Raghav Assistant Professor-2	Corrosion analysis of Cobalt - Graphite Nano composites	KLNCE/PRO/MECH/2016-17/ 030
31.	910613114020 910613114016 910613114032 910613114060	M.Arunkumar U.Arjun Kumar I.GokulKarthikeyan C.Naresh Kumar	Mr.K.K.ArunVignesh, Assistant Professor-2	Compressor safety in Air conditioning system	KLNCE/PRO/MECH/2016-17/ 031
32.	910613114302 910613114091 910613114099 910613114098	T.Devaraj J.Siva P.Tamilan B.Surendhar	Mr.G.R.Raghav Asst Prof-2	Wear analysis of Magnesium and Cobalt of Nano Composites	KLNCE/PRO/MECH/2016-17/ 032
33.	910613114113 910613114079 910613114316	B.B. Vinothkumar L.R.Sabarees J.S.Sathish Kumar	Mrs.C.Anbumeenakshi, Assistant Professor (SG)	Experimental Investigation of Heat Transfer in partially Heated Micro channel Heat Sink	KLNCE/PRO/MECH/2016-17/ 033
34.	910613114306 910613114308 910613114313 910613114095	V. Karthick Prabhu B.Kishore Raja P. Ranjith Kumar J. Subash	Mr.D.Muthukrishnan Asst.Prof(Sr.gr)	Corrosion and Wear Properties of A356/ TiO <sub>2</sub> Nanotubes Composite Surface Layer Produced by Friction Stir Processing	KLNCE/PRO/MECH/2016-17/ 034

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35.	910613114097 910613114703	J.Sugumaraselvasankar P.Yogananth	Mr.D.Muthukrishnan Asst.Prof(Sr.gr)	Elimination of scrap using blender bar (Screw Rod)	KLNCE/PRO/MECH/2016-17/ 035
36.	910613114045	Kathiresan M	Mr.S.Nallathambi, Assistant Professor-2	Enhancement of Heat Transfer in Automotive Radiators using heat pipes with nano fluids	KLNCE/PRO/MECH/2016-17/ 036
37.	910613114080 910613114101 910613114104 910613114106	K.N.Sabarinathan B.Ukeswaran R.B. Venkatesh N.Vignesh	Mr. V.Sivaramkumar Associate Professor	Improving the Efficiency and Fuel Consumption Rate of Boilers at TVS Sri Chakra Pvt. Ltd.	KLNCE/PRO/MECH/2016-17/ 037
38.	910613114054 910613114046 910613114049 910613114047	M. Mathi Ganesh S. Kesavakumar A.Logan G. Koteeswaran	Mr. Mohanraj Assistant Professor-2	Reduction of V-belt rejection by varying wire band length in VRC Machine	KLNCE/PRO/MECH/2016-17/ 038
39.	910613114073 910613114307 910613114318 910613114081	A.R.J.PrasannaRaajan V.M.Kesavan K.R.Vignesh K.A.D.Saiprasanna	Mr. K.K. Arun Vignesh Assistant Professor-2	Wear characteristics of friction stir welded AA6101 and AA1350 aluminum alloys	KLNCE/PRO/MECH/2016-17/ 039
40.	910613114077 910613114088 910613114093	R.Ramesh A.Sheik Abdul Razeeth S.srinivasan	Mr. G.R.Kathiresan Professor	Application of Kaizen practices in process improvement for spring manufacturing unit	KLNCE/PRO/MECH/2016-17/ 040
41.	910613114301 910613114006 910613114019	M. Arun kumar P. Ajith kumar K. Arun kumar	Mr. T. Samynathan Asst Prof-2	Energy reduction by optimization of Bolt manufacturing Machine	KLNCE/PRO/MECH/2016-17/ 041
42.	910613114701 910613114094	M.Arunkumar C.Sri Vidhya shankar	Dr.P.Udhayakumar Professor	Reducing process time in manufacturing outer blank	KLNCE/PRO/MECH/2016-17/ 042
43.	910613114312 910613114305 910613114317 910613114314	M.Ranjith R.Harish Kumar G.Venkatesh S.Saran	Dr.P.Udhayakumar, Professor & Head	Design and development of pattern making in 3D Printing	KLNCE/PRO/MECH/2016-17/ 043
44.	910613114103	J.Venkatesh (05.09.96)	Mr.E.V.Ganeshbabu, Assistant Professor-2	Optimization of Wire Cut EDM Process Parameters by using Orthogonal Array Model and Taguchi Approach	KLNCE/PRO/MECH/2016-17/ 044