

K.L.N.COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Final year students project details for the academic year 2017-2018 (BATCH 2014-18)

S. No.	Roll No.	Name of the Students	Name of the Guide	Project Title	Project Number
1	151901 151910 151922	C.Arunkumar M.Ramkumar R.Karthikeyan	Mr.R.Pandiyarajan	Mechanical and Metallurgical Characterization of Friction Stir Welding Joint in Aluminum Matrix Composite	KLNCE/PRO/MECH/2017-18/001
2	141314 141315 141037 141034	M.S.Maheswaran S.Vigneshkumar S.K.Dineshwar C.Dineshkumar	Mr.R.Pandiyarajan	Investigation of hybrid metal matrix composite of AA 6061 ZrO ₂ SiC by stir casting method	KLNCE/PRO/MECH/2017-18/002
3	141002 141011	M.Manikandaprabu D.Kabilan	Dr.A.N.Balaji	Cycle Time Reduction in Locking Pawl Production	KLNCE/PRO/MECH/2017-18/003
4	141043 141032 141323 151934	M.Santhoshkumar B.Palanikumar G.S.AravindSiddarth M.Rameshkumar	Mr.M.A.Saravanan	Design and Fabrication of Mechanical Spider	KLNCE/PRO/MECH/2017-18/004
5	141039 141024 141308 141116	J.Ashik M.Kumaresan V.Balaji R.Srinath	Mr.R.Ashokkumar	Effect of tool traverse speed on the mechanical properties of friction stir welded AA5052 and AA6106-T6 aluminium alloys	KLNCE/PRO/MECH/2017-18/005
6	141113 141121 151908 141110	R.G.Preethambabu T.K.Sailosh M.J.Ramkrish R.B.Venkateshbabu	Mr.R.Ashokkumar	Effect of tool rotational speed on the mechanical properties of friction stir welded AA5052 and AA6101-T6 aluminium alloys	KLNCE/PRO/MECH/2017-18/006
7	151903 141023 141048 141045	S.R.Pradeepkumar G.Mohanraja M.Mayakrishnan M.IIavarasan	Mr.R.Ashokkumar	Effect of tool axial load on the mechanical properties of friction stir welding AA5052 and AA6101 aluminium alloys	KLNCE/PRO/MECH/2017-18/007
8	141305 141050 141321	S.Ramakrishnan T.Suresh K.Sethurajan	Mr.K.K.Arunvignes h	Composites of AA6063 & silicon carbide & molybdenum dioxide	KLNCE/PRO/MECH/2017-18/008

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9	141030 141040 141101 151913	O.R.P.Rukesh M.Saravanakumar K.C.Vishnuprashanth S.V.Venkatesh	Mr.K.J.Nagarajan	Design of Die for the elimination of burr on bolt head	KLNCE/PRO/MECH/2017-18/009
10	141031 151902 141309	M.Srivanthkumar J.Ajithpandian C.Srivignesh	Dr.M.R.Thansekhar	Experimental Investigation of Cooling of a CPV System with Fresnel Lens as Concentrator	KLNCE/PRO/MECH/2017-18/010
11	141312 141324 141306	L.Kalidas M.Kalaiselvam N.Manoj	Mr.N.Nagasubramanian	Numerical investigation of free convection in a partially heated square enclosure with nano fluids	KLNCE/PRO/MECH/2017-18/011
12	141302 141053 141117 141055	D.Vimalraj A.Pitchai K.R.Sunmukesh V.Franklinramvel	Mr.M.Karlmarx	Design and fabrication of desilting robot on water surface	KLNCE/PRO/MECH/2017-18/012
13	141029 141317 141107	C.Chakkravarthy R.Vishnuprakash S.M.Ramkumar	Mr.D.Satheeshpandian	Wastage reduction and process improvement in spacer production	KLNCE/PRO/MECH/2017-18/013
14	141019 151925 151904 151911	K.Vigneshkumar M.Kannan D.Pandidhurai R.Soundar	Mr.D.Satheeshpandian	Productivity improvement in industry using rubber moulding machine by redesigning the die	KLNCE/PRO/MECH/2017-18/014
15	141105 141111 141035 141122	K.G.Balaji K.J.Balaji V.Dineshkumar M.S.Vijaynaganesh	Dr.A.N.Balaji	Experimental investigation on mechanical properties of kusha mat and tamarind seed powder reinforced polymer composites	KLNCE/PRO/MECH/2017-18/015
16	151914 151928 151920 151934	N.V.Prasanna N.Naveenkishore K.D.Jaswanthkumar M.Rameshkumar	Mr.T.Samynathan	Dry sliding wear behavior of aluminium&zirconium matrix alloy by using stir casting method	KLNCE/PRO/MECH/2017-18/016
17	151927 151906	K.C.Ganeshprasad T.R.Suriyaprakash	Mr.T.L.Vijayakumar	Implementation of lean tools in M25 module	KLNCE/PRO/MECH/2017-18/017

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18	141010 141311 141310	S.M.Dhanambhalaji M.K.Mohamedashwaqhas an S.Nishithroshan	Dr.A.N.Balaji	Cycle time improvement in BCP warehouse and time study of high reach utilization	KLNCE/PRO/MECH/2017-18/018
19	151923 151916 151919	B.Mohammedraffic raja R.Manikandan P.Pradeepkumar	Mr.T.Samynathan	Assembly of oil indicator parts using "POKA-YOKE" method	KLNCE/PRO/MECH/2017-18/019
20	141042 151933 151921	S.Ramesh B.Veerapandian K.Venkatesh	Mr.T.Samynathan	Experimental analysis on thermal efficiency of solar panel with and without cooling using desalinized water	KLNCE/PRO/MECH/2017-18/020
21	151917 141054	S.Arunbalaji A.Vasanthakumar	Mr.M.Karlmarx	Man Power Planning of Deflashing Process	KLNCE/PRO/MECH/2017-18/021
22	151912 151930 141051	G.Keerthivasan S.Sugapradeepraj G.Aravind	Mr.A.M.Nagarajan	Product cycle time reduction in injection moulding machine	KLNCE/PRO/MECH/2017-18/022
23	141003 141016 141041 141047	M.Sathishmohan U.Vignesharavindan P.Sathishkumar M.Velmurugan	Mr.G.M.Nagarajan	Design and fabrication of producer gas generator	KLNCE/PRO/MECH/2017-18/023
24	141013 141120 141307 141008	A.Infantraj O.S.Balaji C.Ajithkannan A.Dostmohammed	Mr.G.R.Raghav	Experimental investigation of mechanical and tribological properties of Co-W-Gr nano composites	KLNCE/PRO/MECH/2017-18/024
25	141004 141106 141304 141303	B.Ganeshkumar R.S.Karthikeyan D.Balasubramani M.Harisankar	Dr.C.Anbumeenaksi	Experimental investigation of heat transfer in microchannel heat sink using TiO ₂ nano fluid	KLNCE/PRO/MECH/2017-18/025
26	141014 141015 141114 141320	R.Arunkumar M.PeriyaBoopathi N.I.Kishorekumar M.Prabu	Mrs.S.Porselvi	Cycle time reduction in production of safety valve	KLNCE/PRO/MECH/2017-18/026

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27	141017 151926 141102 141005	S.Tharankumar B.V.Hariharan T.C.Prasanakumar A.Sutharsan	Mr.D.Muthukrishnan	Effect of nano TiO ₂ particles on AA6063 by friction stir processing	KLNCE/PRO/MECH/2017-18/027
28	141027 141046 141001 151905	R.Nethajimuthaiah C.P.Prakashpandi M.Pandiselvam R.Prakash	Mr.M.Karlmarx	Reduction of Painting Defects Rejection	KLNCE/PRO/MECH/2017-18/028
29	141033 141301 141012	B.Jayendrasenthil P.Manoj M.Mathavan	Mr.M.Satheesh Kumar	Experimental investigation of flow mal distribution in wavy microchannel	KLNCE/PRO/MECH/2017-18/029
30	141119 141036 151907 141118	K.K.Gowtham L.M.Harishbabu K.S.Harianand P.C.Shesathiri	Dr.P.Sabarinath	Investigation on the mechanical properties of egg shell powder reinforced composites	KLNCE/PRO/MECH/2017-18/030
31	141313 141052 141319	S.Ashwin Ebenezer M.Rajapandi M.Tendulkumar	Mr.K.K.Arunvignesh	Hazard identification and risk analysis for tyre manufacturing industries	KLNCE/PRO/MECH/2017-18/031
32	151915 151918 151931	J.sutharsanan M.Anand R.Prasanth	Mrs.B.Devi	Lead time reduction in hydraulic press using automation	KLNCE/PRO/MECH/2017-18/032
33	141006 141316 141115	B.SabariHariharapandian M.Mithunbalachander T.L.Yokeshwaran	Dr.P.Sabarinath	Design and Fabrication of Passive safety system for side impacts in car	KLNCE/PRO/MECH/2017-18/033
34.	151924 151929 151932	G.Saravanan T.Krishna R.Santhosh Kumar	Mr.M.Karlmarx	Minimization of rejection of component using deflashing pressure study	KLNCE/PRO/MECH/2017-18/034
35.	141018 141007 141028 141009	K.G.Arunkumar P.Gobi Krishnan D.Mathankumar M.Gurumurali	Mr.M.Satheesh Kumar	Experimental investigation of heat transfer performance of wavy microchannel with altered header configuration & nano fluid	KLNCE/PRO/MECH/2017-18/035

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36.	141049 141026 141103 141112	G.Aravindan M.Karthick S.J.Arunkumar J.D.Sanjaikhannah	Mr.T.L.Vijayakumar	Analysis of Mechanical properties of egg shell / terminaliachebula filled sisal fiber reinforced polymer composites	KLNCE/PRO/MECH/2017-18/036
37.	141104 141022 141318 151909	M.S.Amitkumar G.Kishore Kumar V.Venkatesh A.Thilagar	Mr.G.R.Raghav	Mechanical properties of luffa – coir fibre with epoxy resin hybrid composites	KLNCE/PRO/MECH/2017-18/037
38.	141108 141109 141325 141038	J.G.Balaji M.S.Kumaresan P.Karthikeyan P.Marimukeshkumar	Mr.E.V.Ganeshbabu	Analysis and removal of scale deposition in boiler by blow down method	KLNCE/PRO/MECH/2017-18/038