



Department of Mechanical Engineering Final Year Projects (Session 2015)



Sr. #	Final Year Project Title:	Supervisor	No. Of Students	Student Name:	Registration Number:
1	Fault location detection and analysis of rotary machine using vibrational analysis, case Study: 1) misalignment 2) looseness 3) bearing fault 4) belt/pulley faults	Prof. Dr. Shahab Khushnood	3	HASEEB QAMAR	15-ME-162
				Muhammad Farhan Khan	15/14-RME-198
				Muhammad Amjad Iqbal	15-ME-164
2	Fault location detection and analysis of rotary machine using vibrational analysis, case study: spur gear	Prof. Dr. Shahab Khushnood	2	Ahmad Fraz	15-ME-151
				Muhammad Haseeb	15-ME-129
3	Flow induced vibration of tube bundles subjected to crossflow	Prof. Dr. Shahab Khushnood	4	Muhammad Moin Akhtar	15-ME-122
				Muhammad Owais Hassan	15-ME-120
				Muhammad Nasir Ayaz	15-ME-105
				Javaria Qadeer	15-ME-181
4	Design and Development of Bullet proof dress	Prof. Dr. Riffat Asim Pasha	4	Gohar Hussain	15-ME-135
				Muhammad Ahmad	15-ME-126
				Usama Hafeez	15-ME-32
				Muhammad Wasi Ur Rehman	15-ME-117
5	Modelling and simulation of 3D Mech components and development of G&M codes	Prof. Dr. Riffat Asim Pasha	4	Sarim sadiq	15-ME-116
				Hamza Shahid	15-ME-121
				Nadeem Younas	15-ME-142
				UMAR FAROOQ	15-ME-110
6	Design And Experimentation of Energy Harvesting Ramp	Prof. Dr. Shahid Khalil	5	Saifullah	15-ME-140
				Muhammad Arslan	15-ME-190
				Arslan Amjad	15-ME-188
				Muhammad Asad Shahid	15-ME-134
				Nabeel Hayder	15-ME-103
7	Design & Fabrication of a REACTOR to transform plastic waste to syn gas	Prof. Dr. Shahid Khalil	5	Muhammad Abdul Wahab Usama	15-ME-114
				RIZWAN JABBAR	15-ME-109
				MUHAMMAD TAHA SHAUKAT	15-ME-150
				Haroon Karim	15-ME-186
				Usama Rizwan	15-ME-111
8	Piezoelectric based energy harvesting	Prof. Dr. Shahid Khalil	4	Saad Ibrahim Khan Niazi	15-ME-04
				Asfand Zain Majid	15-ME-07
				Ammar Shoaib	15-ME-14
				Abdullah	15-ME-192
9	Development of Hybrid Cooling Systems	Dr. Muzaffar Ali	5	Muhammad Talha Sajid	15-ME-168
				Saad Asad	15-ME-177
				Ahsan Aziz	15-ME-194
				Muhammad Soweed	15-ME-189
10	Benchmarking, Energy assessment and Efficiency enhancement of Chilled water system of Hotel industries in Pakistan	Dr. Muzaffar Ali	5	Firdoos Lone	15-ME-200
				Muhammad Ali Habib	15-ME-175
				Abdul Wahab Shahid	15-ME-172
				Bushra Nadeem	15-ME-176
				Muhammad khizar munir	15-ME-191
11	Product Development of M-Cycle Evaporative Cooler Based on Cross, Counter Flow Heat Exchanger	Dr. Muzaffar Ali	4	Tahir Mehmood	15-ME-174
				Muhammad Saad Ahmad Zahid	15-ME-132
				Syed Mohammed Zagham	15-ME-131
				Saeed Ahmad Khan	15-ME-108
12	Experimental Verification of Compound Parabolic Collectors with Variable Concentration Ratio Using Nano Fluid	Dr. Muzaffar Ali	5	Abdullah saleem	15-ME-64
				Syed Abbas Haider Zaidi	15-ME-55
				Shahryaar Ahmad	15-ME-50
				Hasan Ali	15-ME-60
				Fayyaz Haider	15-ME-51
13	Study design and development of stealth enabled materials for aircrafts/drones applications	Dr. Muhammad Ali Nasir	4	Muhammad Bilal Yousaf	15-ME-54
				Ammar Muhammad Khan	15-ME-11
				Adil Hassan	15-ME-24
				Ahmed Sohail Ghauri	15-ME-01
14	Design and development of ExoSkeleton	Dr. Muhammad Ali Nasir	4	Farhan Abbas	15-ME-12
				Muhammad Farhad Ali	15-ME-28
				Syeda Andaleeb Rehman Hamdani	15-ME-17
				Hamza Shabbir Minhas	15-ME-22
15	DESIGN AND DEVELOPMENT OF FIRE RESISTANT WATER PROOF SCRATCH RESISTANT NANO PAINT FOR AUTOMOBILES	Dr. Muhammad Ali Nasir	3	Muhammad kamran Shaukat	15-ME-47
				MOMIL HUSSAIN	15-ME-61
				MUHAMMAD SHAHAB AMJAD	15-ME-100
				MUHAMMAD SAIF UR REHMAN ABBASI	15-ME-58
16	Design and development of single and double network thermal responsive hydrogel coatings.	Dr. Muhammad Ali Nasir	4	Osama Bin Anwar	15-ME-03
				Temoor Abid	15-ME-05
				Osama Hafeez Rao	15-ME-21
				Faisal Mahmood	15-ME-29
17	Design and development of wood based bio-degradable composites.	Dr. Muhammad Ali Nasir	4	Muhammad Noman Ghaffar	15-ME-42
				Muhammad Shoaib	15-ME-119
				Muhammad Umer Younas	15-ME-68

				Muhammad Saifullah Shahid	15-ME-71
18	Design And Fabrication of experimental setup for desalination	Dr. Hafiz Muhammad Ali	4	Muaz Javed	15-ME-112
				Muhammad Usman Khan	15-ME-143
				Hasan Shabbir	15-ME-86
				Fazeel Ahmad	15-ME-81
19	Convective heat transfer in copper tube by nanofluid	Dr. Hafiz Muhammad Ali	3	Sharjeel Sarwar	15-ME-93
				Muhammad Saqib	15-ME-53
				usama Asif	15-ME-62
20	subjected to be changed	Dr. Hafiz Muhammad Ali	3	Yasir Manzoor	15-ME-147
				Fawad ul mahmood	15-ME-146
21	HELMET AERODYNAMICS STUDY	DR. MUHAMMAD SHEHRYAR	4	Muhammad Zubair Farrukh	15-ME-148
				SOHAIB-UR-REHMAN	15-ME-99
				HAMZA PERVEZ	15-ME-91
				SAQIB ALI	15-ME-66
22	Axial Fan Design For Diverse Industrial Applications	Dr. Muhammad Shehryar	4	WALEED IKRAM	15-ME-88
				Muhammad Zubair Qureshi	15-ME-139
				Humayoon Hanif	15-ME-137
				MUBASHIR HUSSAIN	15-ME-123
23	Atmospheric water generator	Engr. Zahid Suleman Butt	5	Awais Ahmad	15-ME-133
				Muhammad Aafaq Aslam	15-ME-39
				Noman Hafeez	15-ME-35
				Ali Hassan	15-ME-26
				Hafiz Atiq Ur Rehman	15-ME-27
24	Wave Energy Power Device Using WELLS Turbine	Engr. Zahid Suleman Butt	4	Umer Iqbal	15-ME-48
				FARHAN NAZIR	15-ME-65
				Ali Shah Hussain	15-ME-87
				Muhammad Hanzala	15-ME-79
25	Design and Fabrication of Vortex Turbine	Engr. Zahid Suleman Butt	5	HUSSAIN SADIQ	15-ME-06
				Afrus ali	15-ME-153
				Amna Adil	15-ME-179
				Zartasha Shafqat	15-ME-180
				Muhammad Shahrugh Atta	15-ME-157
26	Design and Fabrication of Hydraulic Ram Pump	Engr. Zahid Suleman Butt	4	Muhammad Zubair-u-din	15-ME-161
				M. Umer	15-ME-85
				M Shahzaib Nawaz	15-ME-63
				M.Atif	15-ME-149
27	DESIGNING, MODELING AND MANUFACTURING OF WIRE MESHING MACHINE	Dr. Nazeer Ahmed Anjum	4	M Junaid	15-ME-75
				TANZEEL UR REHMAN	15-ME-25
				ARSLAN SHAHID	15-ME-43
				TALHA AHMAD	15-ME-38
28	DESIGN AND DEVELOPMENT OF FIRE RESISTANT WATER PROOF SCRATCH RESISTANT NANO PAINT FOR AUTOMOBILES	Engr. Abdul Mobeen	3	SYED ABDUL ALI	15-ME-30
				MOMIL HUSSAIN	15-ME-61
				MUHAMMAD SHAHAB AMJAD	15-ME-100
29	Bio Inspired Manta Ray Robot	Dr. Waqar Ahmed Qureshi	4	MUHAMMAD SAIF UR REHMAN ABBASI	15-ME-58
				Usman Ahmad	15-ME-163
				Sajjad Akbar	15-ME-23
				Farrukh Raza Sial	15-ME-89
30	Development of Kalman Filter Based Air Defense System	Dr. Waqar Ahmed Qureshi	4	Muhammad Maarj	15-ME-09
				Muhammad Farhan	15-ME-158
				Muhammad Ali	15-ME-34
				Areeb Ifukhar	15-ME-124
31	Design and fabrication of Dynamic suspension spool valve (DSSV) damper	Dr. Waqar Ahmed Qureshi	3	Muhammad Umair	15-ME-36
				Muhammad Zeeshan Tariq	15-ME-74
				Muhammad Saad Mateen	15-ME-69
32	Investigation and analyzing the optimal machining parameters using physical vapor deposition and to improve	Dr. Abid Hussain	2	Waqar Ahmed	15-ME-78
				Amna Perveen	15-ME-178
				Muneeb Ahmad	15-ME-49
33	Design of vertical axis wind turbine for roadside applications	Dr. Abid Hussain	4	Danyal	15-ME-130
				Aaqib Zafar	15-ME-113
				Muhammad Rizwan javed	15-ME-90
				Muhammad Munir Butt.	15-ME-144
34	Designing of stationary exercise bicycle and its wireless speed synchronization with robotic car	Dr. Aneela Wakeel	4	Ammara	15-ME-20
				Shujjat Hussain	15-ME-08
				Khadija Mehboob Dar	15-ME-10
				Shahzaib Hassan	15-ME-18
35	DESIGN AND FABRICATION OF THERMOREGULATORY DEVICES USING PCMs	Dr. Aneela Wakeel	5	ABDUL MATIN	15-ME-166
				SHAHAB AHMAD	15-ME-171
				TALHA BIN YASEEN	15-ME-169
				UMER BASHARAT	15-ME-173
36	Manufacturing and testing of low thermal conductive ceramic foams as building insulators	Dr. Aneela Wakeel	4	Muhammad Umer	15-ME-67
				Touqir Ahmed	15-ME-19
				Muhammad Shabaan	15-ME-97
				mubashir saleem	15-ME-70
37	Design and fabrication of Lamborghini Aventador by method of sectioning	Dr. Aneela Wakeel	1	Moman Naeem	15-ME-167
38	Study of crack propagation using ANSYS	Dr. Azhar Hussain	5	Ayesha Alam	15-ME-46
				Umar Usman Ali Asim	15-ME-31
				M Abdullah Zaman	15-ME-33
				Shehzad Mustafa	15-ME-72
				Hassan Moez	15-ME-44

39	Design and fabrication of energy extraction system using hydro turbine.	Dr. Azhar Hussain	5	Talha Jamshaid	15-ME-56
				Usama Ijaz	15-ME-45
				Muhammad Numan	15-ME-40
				Muhammad Asim	15-ME-41
				Muhammad Azhar Maqbool	15-ME-15
40	LAB SCALE EXTRUSION MACHINE DESIGN AND DEVELOPMENT	Dr. Azhar Hussain	5	SAKHAWAT ALI	15-ME-197
				ABDUL MANAN	15-ME-182
				WALEED HASSAN	15-ME-185
				WAQAR YOUNIS KHAN	15-ME-195
				HASSAN ALI	15-ME-187
41	Design and experimental investigation of solar thermal tower using nano fluids	Dr. Muzaffar Ali	4	Saqlain Ramzan	15-ME-102
				Sohail Abbas	15-ME-128
				MUHAMMAD HAMAD	15-ME-141
				Ali Mashood	15-ME-104
42	Development of cooling vest and helmet for mobile application	Dr. Muzaffar Ali	4	Ahsan Asghar	15-ME-127
				Sajjad Rasul	15-ME-136
				Shahzad Rafique	15-ME-106
				Zia ur Rehman	15-ME-138
43	CFD simulation of leaks in HVAC ducts	Engr. Aamir Sohail	4	Hamza	15-ME-165
				MUHAMMAD SOHAIB	15-ME-155
				FARAN ALI	15-ME-156
				Muhammad sohaib	15-ME-170
44	An investigation on bubble motion in liquid using CFD.	Engr. Aamir Sohail	4	Muhammad Asif Nawaz	15-ME-82
				Muhammad Tariq	15-ME-94
				Mujahid Hussain	15-ME-92
				Muhammad Ishaq	15-ME-95
45	CFD Simulation of multiphase flow through venturi scrubber	Engr. Aamir Sohail	4	Muhammad Ahmad	15-ME-101
				SHEIKH MUHAMMAD ALI HAIDER	15-ME-76
				Affan Ahmad	15-ME-115
				Murad Ashraf	15-ME-125
46	3D-Solar tracking of parabolic trough by using hydraulics control system	Engr. Muhammad Noman	4	Muhammad Shahbaz Jaffar	15-ME-154
				Ghulam Murtaza	15-ME-184
				Muhammad Abdullah	15-ME-57
				Sohaib Khan	15-ME-52