

**Department of Mechanical Engineering**  
**List of Final Year Projects**

Sr. #	Final Year Project Title:	Supervisor	No. of Students	Student Name:	Registration Number:
1	Design of test bench for engine compartment to measure temperature, pressure and flow rate.	Prof. Dr. Shahab Khushnood	3	Mubashar Iftikhar	14-ME-55
				Usama Iqbal	14 ME 65
				Usman Anwar	14-ME-149
2	Repairing and Up-gradation of Test bench for Recoil Mechanism	Prof. Dr. Riffat Asim Pasha	3	Ahsan Naseer	14-ME-109
				M Osama Saeed	14-ME-142
				Israr Ahmed	14-ME-112
3	Design and Development of Abrasive water jet cutting machine	Prof. Dr. Riffat Asim Pasha	4	Muhammad Muneeb Waheed	14-ME-17
				Muhammd Asad Iqbal	14-ME-54
				Muhammad Mohsin Dar	14-ME-11
				Muhammad Usman Chattha	14-ME-182
4	Parallel Car Parking	Prof. Dr. Shahid Khalil	5	Huzaiifa Saleh Qureshi	14-ME-53
				Muhammad Ahmad Nawaz	14-ME-77
				Nouman Rafiq	14-ME-67
				Haris Bin Aqeel	14-ME-20
				Muhammad Bilal	14-ME-157
5	To design and fabricate the Fiber Extraction Machine for banana stem	Prof. Dr. Shahid Khalil	3	Waqas Rehman	14-ME-36
				Dilshad Ali	14-ME-38
				Nabeel Ahmad Khan	14-ME-18
6	Design and Experimental Analysis of Cooling Vest for Human Comfort	Dr. Muzaffar Ali	4	Haris Naseer	14-ME-108
				Humayun Nawaz	14-ME-104
				Hamza Zafar	14-ME-116
				Muhammad Usman	14-ME-188
7	Design and Experimental Analysis of Solar thermal Tower using heliostat	Dr. Muzaffar Ali	5	Mehran Tariq	14-ME-69
				M Bilal	14-ME-64
				Yasir Ammar Haider	14-ME-63
				Zubair Ahmad	14-ME-58
				Rizwan Ali	14-ME-71
8	Bio sensing thermostatic HVAC smart controller using dynamic approach	Dr. Muzaffar Ali	4	Jamsheed Sajid	14-ME-85
				Arslan Mazhar	14-ME-52
				Muhammad Anees Ul Hasnain	14-ME-75
				Muhammad Azhar Hussain	14-ME-84
9	Design, Analysis and fabrication of bullet proof jacket	Dr. Muhammad Ali Nasir	3	Sabih ul Hassan	14-ME-100
				Shah Zaib Aslam	14-ME-40
				Bilal Aftab	14-ME-32
10	Leakage detection in pipeline by using piezo resistive material membrane	Dr. Muhammad Ali Nasir	3	Zeeshan Iqbal	14-ME-105
				Syed Mueed Ali	14-ME-98
				Muhammad Ali	14-ME-91
11	Design and fabrication if solar copter	Dr. Muhammad Ali Nasir	3	Sarmad Rehan	14-ME-82
				Mutahar Bilal Khan Niazi	14-ME-78
				Aezaz raheem paracha	14-ME-87
12	Design and manufacturing of peristaltic pump	Engr. Zahid Suleman Butt	3	Muhammad Burhan Khan	14-ME-134
				Muhammad Bilal	14-ME-168
				Muhammad Umer Khalid	14-ME-124
13	Design, Modelling and Fabrication of VAWT based Unit for Condensation of Atmospheric Humidity	Engr. Zahid Suleman Butt	5	Muhammad Hassan Talha	14-ME-185
				Habib Ullah	14-ME-189
				Muhammad Bilal Ahmed	14-ME-177
				Hafiz Hamza Rehman	14-ME-153
				Muhammad Khubaib	14-ME-181
14	A comprehensive study and analysis of Hypersonic Hybrid Vehicle	Dr. Nazeer Ahmad Anjum	4	Taimoor Ahmad Choudhry	14-ME-05
				Muhammad Shaf Asher Gul	14-ME-178
				Talah Naeem Tabani	14-ME-50
				Syed Abdullah Shah	14-ME-33

15	Design and Fabrication of Plastic Extrusion Machine	Dr. Nazeer Ahmad Anjum	5	Muhammad Abdul Quddoos	14-ME-90
				Muhammad Kashif	14-ME-56
				Muhammad Farrukh Mehmood	14-ME-61
				Muhammad Iqbal	14-ME-57
16	Design and fabrication of Ball Bearing testing bench	Dr. Nazeer Ahmad Anjum	3	Muhammad Hamza Sidique	14-ME-72
				Muhammad Zulqarnain Falak	14-ME-143
				Muhammad Irfan Kundi	14-ME-145
17	Application of nano fluid in cooling of mini channel heat sinks	Dr. Hafiz Muhammad Ali	4	Zeshan Akram Mahmood	14-ME-140
				Danial Rasheed	14-ME-125
				Wajih ur Rehman	14-ME-115
				Abu Sufyan	14-ME-107
18	Heat Transfer Enhancement In PCM's Using Different Composites	Dr. Hafiz Muhammad Ali	4	Saad Ullah Zahid	14-ME-120
				Muhammad Hamza Ilyas	14-ME-14
				Muhammad Dawood Rana	14-ME-99
				Shahroz Saeed	14-ME-73
19	Thermal management of PV module by nano fluid	Dr. Hafiz Muhammad Ali	4	Muhammad Bassam	14-ME-173
				Muhammad Niaz khan	14-ME-83
				Nauman Arshad	14-ME-74
				Zarghoon Ali	14-ME-81
20	Development of Indigenous Fretting Wear/Wear Test Bench	Dr. Waqar Ahmad Qureshi	4	Danyal Khaliq Siddique	14-ME-95
				Muhammad Touqeer	14-ME-21
				Nauman Zia	14-ME-43
				Muhammad Ammar	14-ME-89
21	Design and fabrication of hybrid renewable energy system.	Dr. Abid Hussain	5	Zeesan Ahmed Siddiqui	14-ME-59
				AHSAN ALI	14-ME-04
				Shoaib Ahmed	14-ME-03
				Kashif Bashir	14-ME-126
22	To Investigate the thermal effectiveness of metallic oxide nano fluid through a compound parabolic trough collector with variable concentration ratio	Dr. Abid Hussain	5	Muhammad Haseeb Rasool	14-ME-39
				Haroon Tariq	14-ME-08
				Hamza Ali	14-ME-163
				Sohaib Ahmed	14-ME-25
23	Design And Fabrication of Solar Desalination For Drinking Water	Dr. Abid Hussain	4	Muhammad Wasiq Tanveer	14-ME-01
				Muhammad Zeshan	14-ME-34
				Irfan Haydar	14-ME-159
				Muhammad Umar Fayyaz	14-ME-68
24	Energy conservation in cement industry	Engr. Abdul Mobeen	4	Rizwan Haider	14-ME-186
				Nadeem Younis	14-ME-197
				Mohammad aamir hayat	14-ME-79
				Muhammad asim	14-ME-206
25	Design, fabrication and experimental study of conjugate heat transfer within a bottom heated vertical concentric cylindrical enclosure	Dr. Muhammad Shehryar	5	Mohammad moqeen	14-ME-192
				Muhammad inran	14-ME-167
				Sajjid hussan shah	14-ME-155
				Muhammad Aqeel Sabir	14-ME-114
26	Dynamic response analysis of heat transfer and fluid flow past two cylinders in inline arrangements.	Dr. Muhammad Shehryar	5	Ali Raza	14-ME-101
				AMMARA ALI	14-ME-144
				Jaleel ur Rehman	14-ME-113
				Arslan Mustafa	14-ME-133
27	Design and fabrication of Gas Turbine Engine	Engr. Muhammad Asif Raza	5	Hamad Shafiq	14-ME-154
				Zeeshan Tahir	14-ME-166
				Muhammad Hamza	14-ME-119
				Awais Murtaza	14-ME-123
28	Conversion of 2-stroke engine to modified performance oriented compressed air engine	Engr. Muhammad Asif Raza	5	Mubashar Ali	14-ME-106
				Mubashir Rauf	14-ME-146
				Hammad Hassan	14-ME-127
				Hamza Bin Khalid	14-ME-150
29	Design and development of cermet material	Dr. Aneela Wakeel	4	Shahjahan arshad	14-ME-137
				Zohaib Arshad	14-ME-135
				Muhammad Qasim	14-ME-07
				Aftab Shabir	14-ME-148
30	Welding simulations of aluminum alloy joints by finite element analysis	Dr. Aneela Wakeel	5	Abdul Basit	14-ME-129
				M. Hassan Tariq	14-ME-45
				M. Faisal Majeed	14-ME-76
				Hamza Tariq	14-ME-161
				Hafiz Muhammad Waqar rauf	14-ME-158
				Usman	14-ME-164
				Kamran Zafar	14-ME-170
				Gohar Javed	14-ME-156
				Muhammad Ramzan	14_ME_118
				Munir Ahmed	14-ME-180
				Muhammad Ramzan	14-ME-118
				Asad Ali	14-ME-138

31	Design, analysis and mechanical characterization of crank shaft	Dr. Aneela Wakeel	3	Mohammad Waleed Naeem	14-me-86
				Muhammad Usman	14-ME-62
				Labeeb Arshad	14-ME-97
32	Development of materials for Armor inspired by Sea Shell	Dr. Azhar Hussain	5	Ammad Khalid Khan	14R/13-ME-154
				Khizir Abbas	14-ME-175
				Shahid Mehmood	14R/13-ME-171
				Husnain Ahmed	14-ME-205
				Bilal Bashir	14-ME-169
33	Design of laser propulsion system	Dr. Azhar Hussain	3	Hamza safdar	14-ME-44
				Syed Muhammad Ali	14-ME-24
				Heera Mushtaq	14-ME-41
34	Development of phase change materials	Dr. Azhar Hussain	4	Muhammad usman	14-ME-48
				Rana Ammad Sadaqat	14-ME-66
				Adil Ehsan	14-ME-12
				Faizan Muhammad Siddiqui	14-ME-136
35	Design and fabrication of wind tree	Engr. Sana Zulfiqar	4	Amaar Jaffar	14-ME-111
				Hamza Nisar	14-ME-183
				Hassan Javaid	14-ME-171
				Nisar Ahmad	14-ME-121
36	Design and fabrication of two wheel motorized scooter	Engr. Sana Zulfiqar	5	Irtiza Muhammad	14-ME-194
				Hamza Ashraf	14-ME-162
				Soban ahmed	14-ME-02
				Muhammad Hamza Qasim	14-ME-70
				Nadeem Ahmad	14-ME-110
37	Experimental and transient analysis of solar assisted desiccant system integrated with M-Cycle with different configurations of HMXs	Engr. Muhammad Usman	4	Muhammad Rameez ud din	14-ME-132
				Muhammad Hamza Haider Bai	14-ME-131
				Muhammad Usman Rafique	14-ME-103
				Muzammil Noor	14-ME-60
38	Experimental Analysis of desiccant air conditioning system with geothermal cooling	Engr. Muhammad Usman	5	Basit Ali	14-ME-16
				M. Umair Aslam	14-ME-09
				Muhammad Abdullah Khan	14-ME-122
				Talha Nasir	14-ME-102
				TAJAMMAL HUSSAIN	14-ME-96
39	Efficiency enhancement of PV modules by using different techniques	Engr. Muhammad Usman	3	Muhammad Bilal	14-ME-80
				Hassan Ameer	14-ME94
				Danish Hussain	14-ME-93
				Fahad Ali	14-ME-117
40	Experimental performance and investigation of hybrid absorption chiller for air conditioning.	Engr. Najam Ul Hassan Shah	4	Noor Muhammad khan	14-ME-176
				Muhammad Sarim	14-ME-179
				Abdul hameed	14-ME-207
				Aneeq Ahsan	14-ME-199
41	Experimental analysis of Encapsulated phase change material based thermal energy storage	Engr. Najam Ul Hassan Shah	5	Muhammad Arslan Ameen	14-ME-28
				M Ahmad Raza Tahir	14-ME-30
				Marya Saeed	14-ME-184
				Khalid Rafique	14-ME-29
				Nadir Abbas	14-ME-23
42	Aerodynamic modification of Airfoil.	Muhammad Ebrahim	4	Ahmad Shahbaz	14-ME-174
				Ali Bin Tariq	14-ME-160
				Waqid Erbaz	14R/13-ME-123
				Mian Waleed Ali	14-ME-139
43	CFD Simulation of train aerodynamics	Engr. Aamir Sohail	4	Shahzad Sabir	14-ME-42
				Waqar Hassan	14-ME-49
				Ihtesham ur Rehman	14-ME-165
				Muhammad Junaid Khan	14-ME-46
44	CFD modeling of condensation process of water vapor.	Engr. Aamir Sohail	5	Muhammad Taha Sajjad	14-ME-22
				Mujadid Akhter	14-ME-31
				Faaz-Ul-Islam	14-ME-19
				ABDUL BAR	14-ME-13
				Aamer Ali	14-ME-47
45	Design and Fabrication of Intelligent Braking system for automobiles	Engr. Aamir Sohail	4	Hurmat Fatima	14-ME-152
				Muhammad Shahid	14-ME-27
				Zainab Shujaat	14-ME-06
				Rehan Aslam	14-ME-37
46	Applications of nanofluids in solar energy	Engr. Muhammad Usama Junaid	5	Noshairwan javaid	14-ME-130
				Abdul Wahab	14-ME-35
				Ali Hassan	14-ME-147
				Ahsan Raza	14-ME-26
				Ejaz Ali	14-ME-151