



Department of Mechanical Engineering

Final Year Projects (Session 2019)



Sr. #	Final Year Project Title:	Supervisor	Registration Number:	Student Name:
1	Design and Fabrication of Electric Scooter	Dr. Riffat Asim Pasha	19-ME-181	Saghar Ali Rabbani
			19-ME-193	Abdul Rehman
			19-ME-191	Haris Ejaz
			19-ME-153	Ammad Ejaz
2	Design and Development of Oil Dehydration Plant	Dr. Riffat Asim Pasha	19-ME-05	Waqas Ayyaz
			19-ME-10	Adeel Maqsood Ahmad
			19-ME-46	Ali Haider
			19-ME-01	Sana Fatima
3	Design and Development of Extreme High Vacuum System	Dr. Riffat Asim Pasha	19-ME-95	Muhammad Saad Khokhar
			19-ME-194	Muhammad Umer Farooq Qureshi
			19-ME-82	Muhammad Zahid
			19-ME-78	Zohaib Bashir
4	Design and analysis of Vacuum Insulated Tanks	Dr. Riffat Asim Pasha	19-ME-184	Syed Burair Mehdi
			19-ME-195	Saim Shakeel
			19-ME-157	Mohammad Zulqarnain
			19-ME-175	Abdullah
5	Design and Development of cylindrical chamber of vacuum gauge calibration system	Dr. Riffat Asim Pasha	19-ME-92	Malik Taimoor Khan
			19-ME-58	Muddasir Iqbal
			19-ME-25	M Umer Salman
			19-ME-143	Duwa Abrar
6	Implementation of Machine Learning And Development of Intelligent Predictive Control for Solar Assisted Desiccant Based Air Conditioning System	Dr. Muzaffar Ali	19-ME-127	Mohammad Jassim
			19-ME-123	Muhammad Awais Ur Rehman
			19-ME-104	Ali Azhar
			19-ME-121	Moiz Javed
7	Design and Development of Desiccant based high capacity Dew Point Indirective Evaporative Cooler	Dr. Muzaffar Ali	19-ME-42	Danyal Iqbal
			19-ME-47	Muhammad Hassan Ameer
			19-ME-107	Muhammad Talha Aziz
			19-ME-105	Abdullah

8	Design and Development of Super insulated Cryogenic fluids.	Dr. Muzaffar Ali	19-ME-170	Maaz Ahmed
			19-ME-160	Muhammad Hammad Khaliq
			19-ME-161	Ali Mohsin Hussain
			19-ME-171	Muhammad Saim
9	Design and Development of solar assisted dehumidification system for high latent load applications	Dr. Muzaffar Ali	19-ME-114	Muhammad Owais Sajid
			19-ME-126	Ahmad Nadeem
			19-ME-134	Abdul Haseeb
			19-ME-122	Ali Uzair Awan
10	Experimental Comparative analysis of solar CPC system with multiple profiles and nanofluids.	Dr. Muzaffar Ali	19-ME-34	Ali Hasnain
			19-ME-23	Muhammad Asad
			19-ME-36	Maria Masood
			19-ME-38	Mohsin Riaz
11	Design and Development of PCM based passive cooling in energy efficient buildings	Dr. Muzaffar Ali	19-ME-100	Syeda shahirbano
			19-ME-48	Muhammad Ahmad Rafi
			19-ME-149	Usama Malik
			19-ME-90	Aasma Bibi
12	Design and Development of Bench press drill machine	Dr. Muhammad Ali Nasir	19-ME-165	Muhammad Abdullah
			19-ME-158	Muhammad Ammar Younas
			19-ME-173	Inaam Ullah Mesum
			19-ME-120	Muhammad Kamran Khan
13	3D Modelling And Technical Specofication Determination Of Hydraulic Station Of Vt4 Tank	Dr. Muhammad Ali Nasir	19-ME-45	Mohammad Awais Ahmed
			19-ME-2	Muhammad Haris
			19-ME-20	Isra Zafar
			19-ME-7	Muhammad Hamza
14	Design and Development of Hybrid bikes by using hub motor	Dr. Muhammad Ali Nasir	19-ME-148	Muhammad Saad Ali
			19-ME-147	Muhammad Soban
			19-ME-166	Muhammad Dawood
15	Design and Fabrication of Mechanized Automobile Jack	Dr. Muhammad Ali Nasir	19-ME-116	Muhammad Junaid Khan
			19-ME-102	Muhammad Abdullah
			19-ME-13	Abdullah Bin Abdul Qayyum Satti
			19-ME-28	Ch. Muhammad Areeb
16	Design and Fabrication of VT-4 Tank Fuel radiator test Bench with CFD Analysis	Dr. Muhammad Ali Nasir	19-ME-37	Muhammad Subhan Javed
			19-ME-39	Hussain Imran Khan
			19-ME-17	Hafiz Muhammad Awais Madni
17	Design and Development of Off Road RC Robot Car	Dr. Muhammad Ali Nasir	19-ME-12	Fateh Khan
			19-ME-35	Arbaz Yasir
			19-ME-18	Mujahid Abbas
			19-ME-26	Muhammad Muzammal Mustafa

18	Development of friction measuring tribotester	Dr. Mubashir Gulzar	19-ME-150	Mesam Abbas
			19-ME-201	Muhammad Usama
			19-ME-188	Aoun Abbas
			19-ME-155	Basit Ali
19	Development of sliding wear test rig	Dr. Mubashir Gulzar	19-ME-54	M Hamza Asif Abbasi
			19-ME-137	Naseer Ahmad
			19-ME-130	Muhammad Ali
			19-ME-129	Muhammad Waqas
20	Development of portable emission analyzer	Dr. Mubashir Gulzar	19-ME-09	Muhammad Hamza
			19-ME-08	Nauman Farooq
			19-ME-49	Ahsan Ali Khan
			19-ME-31	Raja Numan Jhangir
21	Development of Dual Energy Generator Using Solar and Wave Power	Engr. Zahid Suleman Butt	19-ME-164	Abdul Rehman Qamar
			19-ME-186	Muhammad Raheel
			19-ME-162	Abdullah Ahsan
			19-ME-185	Muhammad Azam Yasin
22	Design and fabrication of a hydraulic seat rise wheelchair for a partially paralyzed patient.	Engr. Zahid Suleman Butt	19-ME-139	Syed Muhammad Afaq Shah Gillani
			19-ME-115	Changez Khan
			19-ME-140	Khawar Zeeshan
			19-ME-163	Muhammad Waqas Siddiqui
23	Fabrication of solar based water purification system	Engr. Zahid Suleman Butt	19-ME-86	Subhan Ahmad
			19-ME-81	Umair Siddique
			19-ME-87	Muhammad Ubaid Ur Rehman
			19-ME-80	Waqar Ahmad
24	Design Analysis of hydropower turbine	Engr. Zahid Suleman Butt	19-ME-154	Muhammad Waleed
			19-ME-131	Aleena Kanwal
			19-ME-176	Abdullah Hashim
			19-ME-187	Tayyaba Arif
25	CFD Simulation Of Wind Turbine Blade	Engr. Zahid Suleman Butt	19-ME-112	Hamas amanat Chattha
			19-ME-132	Muhammad Asad
			19-ME-142	Ali Mardan Shah
			19R-18-ME-137	Kamran Hassan Bhat
26	analysis of 448 MW GE Gas Turbine Installed At Quaid-e-Azam Thermal Power Plant, Bhiki	Engr. Abdul Mobeen	19-ME-178	Zain Zahid
			19-ME-180	Muhammad Zain Ul Islam
			19-ME-198	Abdul Wahab
			19-ME-69	Ghina Fatima

27	analysis of 10MW blohm voss steam turbine installed at pof power plant	Engr. Abdul Mobeen	19-ME-101	Muhammad Ehزاز Ali Khan
			19-ME-109	Kaleem Ullah
			19-ME-159	Hafiz Osama Mahmood
			19-ME-110	wakeel ahmad
28	Investigation of HVAC system of railway coaches	Engr. Abdul Mobeen	19-ME-61	Rao Taimoor Ahmad
			19-ME-52	Muhammad Bin Tahir
			19-ME-57	Muhammad Shoaib Khaliq
			19-ME-75	Muhammad Moazim Ali
29	Energy generation through water waves using a wave generator	Engr. Abdul Mobeen	19-ME-117	ZAIN UL ABIDEEN
			19-ME-128	Ali Abdullah
			19-ME-135	Syed Muhammad Umar Shah
			19-ME-141	Uzair saleem
30	Tribological characterization of spherical ball bearings	Dr. Waqar Ahmad Qureshi	19-ME-21	Syed Haider Ali Zia
			19-ME-33	Syed Faizan Ali Shah
			19-ME-50	Hafiz Ahtasham Ali
31	Design and development of inverted Pendulum Control System	Dr. Waqar Ahmad Qureshi	19-ME-93	Muhammad Abu Sufyan
			19-ME-99	Muhammad Numan Ashraf
			19-ME-74	Umair Shahid
			19-ME-96	Muhammad Usama Riaz
32	Characterization of Smart Structures	Dr. Waqar Ahmad Qureshi	19-ME-55	Muhammad Bilal
			19-ME-63	Ali Raza
			19-ME-85	Muhammad Sadaqat
			19-ME-60	Muhammad Adnan
33	Six Sigma Methodology for Design of Membrane based Filtration System	Dr. Abid Hussain	19-ME-136	Ali Awais
			19-ME-125	Nayyar Hussain
			19-ME-190	Shahzad Hussain
			19-ME-83	Dilshan Ali
34	Water Purification using membrane	Dr. Abid Hussain	19-ME-59	Muhammad nayab ali
			19-ME-73	Muhammad Basit Iqbal
			19-ME-56	Muhammad Hassan Saleem
			19-ME-64	Muhammad Faisal
35	Thermal Management of Electric Heatre using PCM inserted in Perforated Pin Fins	Dr. Abid Hussain	19-ME-168	Zain Ur Rehman
			19-ME-197	Muhammad Ahmad Suleman
			19-ME-183	Mutahir Ali
			19-ME-174	Abdullah Majeed
36	Design and Fabrication of portable Cable Machine	Dr. Abid Hussain	19-ME-94	Ehtisham Siddique
			19-ME-77	Zeeshan Amer
			19-ME-66	Arslan Rasheed
			19-ME-97	Hassan Arshad Abbasi

37	Design and Fabrication of Peltier Air Conditioner.	Dr. Abid Hussain	19-ME-113	Muhammad Shahzaib Javed
			19-ME-118	Muhammad Nauman
			19-ME-111	Muhammad Haseeb
			19-ME-106	Farukh Basheer
38	investigation of chromium effect on Fe-mn-Si Based shape memory alloy	Engr. Rana Ata ur Rahman	19-ME-24	Usman Afzal
			19-ME-44	Ahmed Yar Hussain
			19-ME-03	Tayyab Javed
			19-ME-32	Bilal Ahmed
39	Production and characterization of FeMnAl based shape memory alloys (FeMnAl-SMAs) with proper ternary additions.	Engr. Rana Ata ur Rahman	19-ME-43	Muhammad Awais Abbas
			19-ME-16	Muhammad Bilal Arshad
			19-ME-41	Muhammad Saad Sarfraz
			19-ME-15	Muhammad Arbaz
40	Manufacturing and characterization of Fe-mn-Si Based shape memory alloy	Engr. Rana Atta ur Rahman	19-ME-11	Syed Ali Raza Zaidi
			19-ME-51	Raja usama Haider kayani
			19-ME-14	Muneeb Haider Khan
			19-ME-30	Mesam Raza Jaferi
41	Design of intensive firing roasting and melting furnace for non ferrous metals.	Dr. Azhar Hussain	19-ME-172	Usman Hassan
			19-ME-196	Muhammad Abdullah Saeed
			19-ME-156	Abdullah Javed
			19-ME-124	Muhammad Luqman
42	Design and Fabrication of Thermal barrier Coating	Dr. Aneela Wakeel	19-ME-89	Awais Ali
			19-ME-68	Mursleen Kiani
			19-ME-22	Muhammad Waleed Mukhtar
			19-ME-70	Muhammad Kamran
43	Composite materials manufacturing of hockey stick and tennis racket	Dr. Azhar Hussain	19-ME-72	Muhammad Hasnain
			19-ME-27	Muhammad Talha
			19-ME-19	Muhammad Abu Hurayrah
			19-ME-40	Sabeeh ul Waqar
44	Design and fabrication of gravity separator for chromium ore	Dr. Azhar Hussain	19-ME-167	Umair Aamir
			19-ME-133	Mushtaq Hussain Shah
			19-ME-138	Mohsin Ali
			19-ME-151	Muhammad Nacem Sajjad
			19-ME-200	Washal

45	Investigation of corrosion behavior of pipelines material after different coatings	Dr. Aneela Wakeel	19-ME-145	Haris Iqbal
			19-ME-144	Muhammad Usman
			19-ME-103	Shan Rasool
			19-ME-179	Kamran Nazir
46	Thermal Managemnet of bifacial PV Panels	Engr. Ebrahim Khalid	19-ME-79	Muhammad Hassaan
			19-ME-65	Muhammad Talha Naeem
			19-ME-62	Muhammad Noman
			19-ME-53	Muhammad Saqib
47	Solar based water Desalination Plant	Engr. Ebrahim Khalid	19-ME-108	Ashhal Abbas
			19-ME-91	Syed Muhammad Danial Sohaib
			19-ME-76	Muhammad Zohaib Shahid Gurmani
			19-ME-67	Syed Muhammad Huzaiifa Qamar