



Department of Mechanical Engineering

Final Year Projects (Session 2021)



Sr. #	Final Year Project Title:	Supervisor	Registration Number:	Student Name:
1	Optimizing Digital Radiography Parameters for Thickness Variation Detection: A Comprehensive Study for Quality Assurance in Industrial Applications	Dr. Riffat Asim Pasha	21-ME-173	Sadia Riaz
			21-ME-37	Maryam
			21-ME-09	Sajjal Nawaz
2	Design optimization and fabrication of grain segregation system	Dr. Riffat Asim Pasha	21-ME-133	Muhammad Suleman
			21-ME-113	Mesam Shafqat Mehdi
			21-ME-137	Muhammad Habib
3	Development of High Altitude Pseudo Satellite (HAPS)	Dr. Riffat Asim Pasha	21-ME-52	ABDUL WAHHAB
			21-ME-58	Ayesha Noor
			21-ME-58	Ayesha Noor
			21-ME-70	Zoha Kaleem
4	design and simulation of Jet Engine chamber	Dr. Riffat Asim Pasha	21-ME-141	Abdul-Mughees
			21-ME-181	Sameer Sarwar Magsi
			21-ME-165	Safdar Sardar
5	E-scooter design optimization	Dr. Riffat Asim Pasha	21-ME-126	Ahmed Hussain
			21-ME-119	Hajra Bibi
			21-ME-23	Warda Azeen
			21-ME-138	Muhammad Mursaleen
6	Sealed components qualification testing system	Dr. Riffat Asim Pasha	21-ME-169	Muhammad Haseeb Khan
			21-ME-174	M Ahmed Sajid
			21-ME-89	Faizan Arshad
			21-ME-105	Jawad Akhtar
7	Design analysis and manufacturing of collected volatile condensable material Machine	Dr. Riffat Asim Pasha	21-ME-114	Mubashar Hussain
			21-ME-54	Muhammad Sultan Javed
			21-ME-110	Abdullah Mehmood
			21-ME-94	Abdullah Munawar

8	Design and development of proton exchange membrane fuel cell	Dr. Muzaffar Ali	21-ME-124	Muhammad Talha
			21-ME-04	Muhammad Faaiz
			21-ME-24	Hasnain Abdullah
			21-ME-164	Abdul Rafay
9	Design and development of turret traverse mechanism of VT-4 Tank	Dr. Muhammad Ali Nasir	21-ME-117	M. Savaiz Hannan
			21-ME-109	Saad Shahbaz
			21-ME-45	Haider Shahbaz
			21-ME-13	Muhammad Shoaib Zafar
10	Modeling and analysis of exterior ballistic for 12.7 mm bullet	Dr. Muhammad Ali Nasir	21-ME-103	Muhammad Abdullah Malik
			21-ME-115	Ali Hassan Khalid
			21-ME-163	Muhammad Yousaf Raza
			21-ME-179	Muhammad talal azhar
11	Design and development of FDM 3D printer for product design	Dr. Muhammad Ali Nasir	21-ME-147	Irfana Alam
			21-ME-131	Muhammad Atiq ur rehman
			21-ME-175	M Umair Saeed
			21-ME-139	SHAYAN
12	Design and Development of universal digital Air conditioner test bench for military automotive system to conduct performance analysis	Dr. Muhammad Ali Nasir	21-ME-154	Shahid Rasheed Malik
			21-ME-22	Ahmad Jawad Hassan
			21-ME-122	Muhammad uzair Ali
			21-ME-10	Muhammad Ahsan Aftab
13	Fabrication of cellulose Based-Mixed Matrix Membranes for Ground water Filtration	Dr. Muhammad Ali Nasir	21-ME-43	Zeeshan Tanveer
			21-ME-35	Farhan Tauqeer
			21-ME-19	Muhammad Fiaz
			21-ME-55	Saad Umar
14	Tribological investigation of graphene nanoparticles as an additive to lubricating oils	Dr. Mubashir Gulzar	21-ME-14	Muhammed Umer Khurshid
			21-ME-26	Usman Hafeez
			21-ME-30	Ibrahim Haider
			21-ME-182	Husnain malik
15	Optimization of coils for eddy current sensor	Dr. Mubashir Gulzar	21-ME-44	Muhammad Kashan Haider
			21-ME-32	Muhammad Zahid
			21-ME-48	Jabran Ali
			21-ME-12	Muhammad Tayyab
16	Development of wear rate measuring system for sliding tribo meter	Dr. Mubashir Gulzar	21-ME-82	Syed Muhammad Kumail Abbas
			21-ME-129	Komal Ijaz
			21-ME-90	Ayesha Mushtaq
			21-ME-06	Muhammad Subhan
17	A numerical solution to 2D float plate problem with constant conductivity heat transfer	Dr. Mubashir Gulzar	21-ME-62	Asad Saleem
			21-ME -143	Alisha bakhat

18	Automated Enhancement of Rotary Fatigue Testing Machine for Intelligent Shutdown Upon Specimen Failure.	Dr. Shahid Mehmood	21-ME-168	Muhammad Umair Imran
			21-ME-100	Jawad Alam
			21-ME-160	Zaheem Khan
			21-ME-116	M Umar Farooq
19	Design and fabrication of UTM by using hydraulic press	Dr. Shahid Mehmood	21-ME-80	Shahzaib
			21-ME-71	Muhammad Shaheer Abdullah
			21-ME-135	Syed Mubeen Fakhar Gilani
			21-ME-120	Hasnain Khan
20	Evaluation of Ground Penetrating Radar mapping for reinforced concrete structures	Engr. Zahid Suleman Butt	21-ME-145	Muhammad Athar Khan Chandia
			21-ME-153	Safiullah Noor
			21-ME-157	Abdul Moez
			21-ME-73	Muhammad Shahid Aslam
21	Artificial Intelligence for Structural Integrity Analysis	Dr. Waqar Ahmad Qureshi	21-ME-07	Maria Bibi
			21-ME-125	Ahmad Mehmood
			21-ME-33	Ch Anees-Ur-Rehman
			21-ME-15	Jawad Ul Hassan
22	Efficiency enhancement of photovoltaic thermal system by using solar collector	Dr. Abid Hussain	21-ME-96	Sheeraz Ahmad
			21-ME-84	Muhammad Abubakr siddique sheikh
			21-ME-108	Kashir Bilal
			21-ME-75	USMAN ALI
23	Fabrication and optimization of a low concentrated solar system for sub tropical climate	Dr. Abid Hussain	21-ME-59	Muhammad Makki Shah
			21-ME-111	Muhammad Shahryar
			21-ME-27	Huzaifa Shahid
			21-ME-99	Muhammad Talal Hassan
24	Fabrication of a roadside Vertical axis wind turbine.	Dr. Abid Hussain	21-ME-66	Azka Zahid
			21-ME-142	Waqas Ahmed Tahir
			21-ME-134	MUHAMMAD Ahmad Kamal
			21-ME-190	Ehtisham Haider
25	Design and Fabrication of Thermal Stove	Dr. Abid Hussain	21-ME-21	Areeb Arslan
			21-ME-53	Muhammad Awais
			21-ME-177	Faique Ahmed
26	Design and Fabrication of Flexible Shacker Table	Dr. Azhar Hussain	21-ME-149	Muhammad Talha Iqbal
			21-ME-101	Muhammad Dawood Ashraf
			21-ME-46	M Sohaib Akbar
			21-ME-121	M. Shoaib iqbal

27	Design of flexible carbon converting furnace	Dr. Azhar Hussain	21-ME-161	Ali shabab
			21-ME-187	Muhammad Huzaifa
			21-ME-183	Muhammad Hamza
			21-ME-151	Najam ul Hassan
28	Advancement of a Metal Filament and Extruder for Fused Deposition Modeling (FDM) 3D Printer	Dr. Azhar Hussain	21-ME-189	Muhammad Ahmed
			21-ME-128	Ali hassan
			21-ME-188	Muhammad Abdullah
			21-ME-81	Muhammad Mubeen Tahir
29	Design Of Micro Jet Engine And Its Applications For Emergency Services	Dr. Azhar Hussain	21-ME-72	Kashif Matti
			21-ME-60	Muhammad Waleed Ahmed
			21-ME-41	GHULAM-E-MUHAMMAD
			21-ME-112	Muhammad Haseeb Tahir
30	Multi Stage Biogass Reactor Design and Fabrication	Dr. Azhar Hussain	21-ME-92	Syed Muhammad Ali Shah
			21-ME-64	Muhammad Maaz Tahir
			21-ME-83	MUZAMIL HANIF
			21-ME-91	Mujtaba Ijaz
31	Performannce Analysis of Solar Assisted Dessicant Wheel Integrated Heating and Humidification System in Pakistan	Dr. Javed Akhtar	21-ME-77	Abdul Moiz
			21-ME-85	Awais Mansoor
			21-ME-01	Owais Ahmad Khan
			21-ME-93	Muhammad Farhan Ali
32	performance investigation on compound parabolic collectors system using MWCNT.	Dr. Javed Akhtar	21-ME-191	Danish Mahmood
			21-ME-67	Muhammad Asim
			21-ME-127	MUHAMMAD BILAL ISHAQ
			21-ME-68	Anas Naveed
33	Design and Development of solar assisted hybird air conditioning and desalination system	Dr. Muhammad Usman	21-Me-57	M.Huzaifa
			21-ME-76	Muhammad Aarsal Abbasi
			21-ME-61	Syed Muhammad Shaheer Abbas
			21-ME-49	Muhammad Talha Rahim
34	Design and performance analysis of cross-flow heat and mass exchanger for indirect evaporative cooling.	Dr. Muhammad Usman	21-ME-97	M MUKHTAR UL HASSAN
			21-ME-86	Muhammad Haris Rauf
			21-ME-05	Muhammad Waseem
35	Optimal control of dehumidification bed using IOT	Dr. Muhammad Usman	21-ME-29	Waleed akhtar
			21-ME-17	MUHAMMAD HAMMAD
			21-ME-65	Arslan Ali
			21-ME-25	Muhammad Awais Hussain Shah

36	Design and development of thermochemical energy storage using calcium hydroxide	Dr. Najam Ul Hassan Shah	21-ME-106	Muhammad Zain Ul Abdeen
			21-ME-166	Muhammad Ali Khan
			21-ME-78	Syed Huzaifa Ali
			21-ME-98	Wajeesh Ahmed Khan
37	Design and Development of an Innovative Concentrated Solar Photovoltaic System Integrated with Novel Thermal Management Module	Dr. Najam Ul Hassan Shah	21-ME-158	Shouket Ali
			21-ME-107	Muhammad Asad Jamil
			21-ME-47	Jamshed Iqbal
			21-ME-31	Muhammad Shafay Butt
38	Development and control of electro hydraulic actuator	Dr. Sajjad Sabir	21-ME-02	Irtaza Ahmer
			21-ME-162	Muhammad Muneeb
			21-ME-38	Abdul Ahad
			21-ME-03	ZAIN UL ABIDEEN
39	Development and control of soft gripper	Dr. Sajjad Sabir	21-ME-102	Muhammad shoaib
			21-ME-146	Hanzla Tariq
			21-ME-20	Muhammad Usama Farooqi
			21-ME-150	Muhammad Wasif Ansar
40	Development and design of RAM pump for plantation on mountains	Engr. M. Sumair	21-ME-34	Ahmed Raza
			21-ME-184	Saif ur Rehman
			21-ME-172	Muhammad Faisal
			21-ME-196	Yawar Shabbir
41	Economic design and fabrication of 3D printer.	Engr. M. Sumair	21-ME-88	Malik Muhammad Saif Haider
			21-ME-104	Muhammad Daniyal
			21-ME-132	Ali Usman Saqib
			21-ME-11	MOHAMMAD MOUSA
42	modelling and control simulation of air handling unit	Dr. Amar Ul Hassan Khawaja	21-ME-198	Mohamed Nusky Ahamed
			21-ME-194	Muhammadu Nayeem Nafeel Ahamed
43	Analysis and testing of aircraft winglets	Engr. Ahmed Zaheer	21-ME-192	Muhammad Awais Ali
			21-ME-148	Haris Ahmed
			21-ME-176	Usama irfan
			21-ME-28	Muhammad Ayyan Nadeem
44	Development of convertible wheelchair stretcher prototype	Engr. Ahmed Zaheer	21-ME-155	Muhammad Samiullah
			21-ME-136	Zabi Ullah
			21-ME-152	Naqib ur Rehman
			21-ME-79	Muhammad Asadullah Munawar