

## FINAL YEAR PROJECTS LIST SESSION-2019 (Advisor Wise)

<u>Sr. No</u>	<u>Group Name</u>	<u>Advisor</u>	<u>Title</u>	<u>Participants</u>	<u>Reg Number</u>
1	A2	Dr. Nasir Hayat	Vibration Monitoring and Analysis of Rotating Equipment by Using Portable Vibration Analyzer	Syed Maisam Askari Abdul Rehman Abdullah Mudassar	2019-ME-41 2019-ME-28 2020-P/2019-ME-134
2	D5	Dr. Nasir Hayat	To Design of Hip Joint Perform its 3D Printing	Mamoon Waheed Danish Ali Abdus Salam Subhani	2019-ME-178 2019-ME-191 2019-ME-182
3	D6	Dr. Nasir Hayat	Cross Flow Turbine	Ammar Aref Yaser	2019-ME-294
4	D9	Dr. Nasir Hayat	To Design Knuckle Joint & Perform its 3D Printing	Ali Hamza Usama Siddique	2019-ME-158 2019-ME-192
5	M3	Dr. Amjad Hussain	Integration of Green and Lean Approaches for Achieving Sustainable Production	Hammad Yaqoob Arslan Liaqat Mohsin Raza	2019-ME-55 2019-ME-193 2020-P/2019-ME-86
6	M5	Dr. Amjad Hussain	Implementation of Triple Bottom Line Sustainability at PEL Company: Case Study	Muhammad Sohail Abbas Muhammad Arsalan Siddiqui Tanzeel-ur-Rehman	2019-ME-167 2019-ME-168 2019-ME-118
7	A1	Dr. Ghulam Moeen Uddin	Measuring Nano Hardness of Tribologically Chanced Surface	Aamir Shahzad M. Nadeem Akram Nabeel Akbar	2019-ME-04 2019-ME-12 2019-ME-30
8	A3	Dr. Ghulam Moeen Uddin	Comparing Computational Fluid Dynamics Analysis of Ahmed Body Performed in ANSYS and Solid Work Software for Earth and Mars Environments	Ashar Zia Zia Hassan Kaleem Imam	2019-ME-13 2019-ME-20 2019-ME-25
9	A4	Dr. Ghulam Moeen Uddin	Friction and Wear Performance of Tribologically Enhanced Surfaces	Muhammad Zia-ur-Rehman Imtran Ahmad Tahir Haider Ali	2019-ME-11 2019-ME-36 2019-ME-18
10	D3	Dr. Ghulam Moeen Uddin	Analyzing Micri-scratch Adhesion and Crystal Structure of Tribologically Enhanced Surfaces	Muhd Daniyal Javed Hussain Naveed Hassan	2019-ME-187 2019-ME-185 2019-ME-194
11	M12	Dr. Ghulam Moeen Uddin	Surface Reconstruction of Plunger Barrel of Diesel Fuel Pump	Saleh Tariq Hamza Ijaz Hassan Shahid	2019-ME-128 2019-ME-26 2019-ME-23
12	A5	Dr. Muhammad Asim	Wind Energy	Ahmad Hassan M. Danish Masood M. Saeed Arshad	2019-ME-07 2019-ME-02 2019-ME-03
13	A6	Dr. Muhammad Asim	Gap Filling of 10-Minute Solar Radiation Data Using Machine Learning Approach	Syed Muhammad Ashar Bukhari Talha Akhtar Zain Farooq	2019-ME-16 2019-ME-06 2019-ME-14
14	B3	Dr. Muhammad Asim	Performance Assessment of Linear Fresnel Reflector Concentrated Solar Power (LFR-SCSP) System for Different Climatic Conditions	Muhammad Ahmad Nisar Talal Ahmed Awan Muhammad Afnan Mohsin	2019-ME-68 2019-ME-65 2019-ME-72
15	B1	Dr. Ali Hussain Kazim	Computational Analysis of Commercial Vortex Tube	Faizan Khan Hassan Tanveer Umer Asghar	2019-ME-64 2019-ME-74 2019-ME-76
16	C2	Dr. Ali Hussain Kazim	Design of Low Cost Automated Cardio Pulmonary (CPR) Device	Mustaneer Hassan M. Ahsan Mahmood M. Ibrahim Goraya	2019-ME-121 2019-ME-130 2019-ME-129
17	C11	Dr. Ali Hussain Kazim	Design of Near-Field Effect of Thermophotovoltaics	Hamza Nazir Syed Muhammad Baqir Hussaini Muhammad Ali Hadi	2019-ME-101 2019-ME-105 2019-ME-125
18	M2	Dr. Ali Hussain Kazim	Design of an Efficient Cooling Jacket for Induction Motor	Saad Qaiser Abdur Rehman Muhammad Alian	2019-ME-189 2019-ME-63 2019-ME-186
19	C3	Dr. Awais Ahmad Khan	Fabrication of Automatic Welding Plant	M. Hasim Mirza Yasir Ahmad Hasan Iftikhar	2019-ME-126 2019-ME-135 2019-ME-131
20	C8	Dr. Awais Ahmad Khan	Design and Analysis of Flow Sat (Flowing Sattelite)	Amir Anjum	2019-ME-113
21	M1	Dr. Awais Ahmad Khan	Optimization of Machining Parameters using Design of Experiment	Bilal Ahmad Siddiqui Syed Husnain Shah Raja Shahzad Sultan	2019-ME-08 2019-ME-110 2019-ME-132
22	M9	Dr. Awais Ahmad Khan	Pattern Recognition Using Digital Image Processing	Ahmad Alam Shahzaib Mumtaz Hassan Yousaf	2019-ME-115 2019-ME-144 2019-ME-166
23	M11	Dr. Awais Ahmad Khan	Optimization of Fixture Assembly Using Finite Element Analysis	Asadullah Muzaffar Zeeshan Haider Muhammad Arsal	2019-ME-170 2019-ME-183 2018-R/2018-ME-188
24	A10	Dr. Muhammad Usman	Dehumidifier and Air Purifier with Clean Drinking Water Generation	Rayan Shahzad Haroon Khadim Muhammad Hamza Khan	2019-ME-10 2019-ME-39 2019-ME-19
25	B2	Dr. Muhammad Usman	Perovskite Solar Cells Impact on Panel Performance	Azhar Farooq Shaheer Rehman Muhammad Hashim Shareef	2019-ME-66 2019-ME-70 2019-ME-61
26	D1	Dr. Muhammad Usman	Implementation and Evaluation of A Camless 4-Stroke Engine Using Programmatically Controlled Electronic Valve Actuators	Saif Ali Meeran Butt Arslan Ashraf	2019-ME-151 2019-ME-174 2019-ME-155
27	D2	Dr. Muhammad Usman	Effect of Accumulated Heat Extraction from Photovoltaic System on Cell Performance	Maarij Mahmood Ammar ul Hassan	2019-ME-171 2019-ME-162

28	D7	Dr. Muhammad Usman	Design & Analysis of Hybrid Ejector Desiccant Cooling System	Abdullah Tariq Amanullah Qasim Ali	2019-ME-160 2019-ME-188 2019-ME-165
29	A7	Dr. Zia Rehman Tahir	Wind Energy Potential and Data Analysis	Umar Hayat Waheed ul Hassan M. Usama Mohsin	2019-ME-09 2019-ME-22 2019-ME-21
30	B4	Dr. Zia Rehman Tahir	Bias Correction of Hourly Solar Radiation Reanalysis Data Using M.L. Approach	Hudaa Adeel Chaudhary Hoor ul Ain Syeda Ishmal Zahra	2019-ME-80 2019-ME-79 2019-ME-81
31	C6	Dr. Zia Rehman Tahir	Renewable Energy-Solar	M. Kashif Usman Ahmad M. Umer	2019-ME-114 2019-ME-108 2019-ME-123
32	M4	Dr. Zia Rehman Tahir	Performance Assessment of Different Photovoltaic Module Technologies for Different Climatic Conditions	Mueez ul Haq M. Aleem Faryad	2019-ME-52 2019-ME-01
33	A11	Dr. Jamal Umer	To determine the wear rate of mechanical geometries through archard wear equation and with the help of Ansys	Zain Abdullah Butt Moaaz Sajid Azam Zaheer	2019-ME-45 2019-ME-29 2019-ME-40
34	B8	Dr. Jamal Umer	Design and Fabrication of Multi terrain Robot on Theo-Jansen mechanism	Muhammad Zeeshan Ali Asif Sardar Ozair Aqib	2019-ME-78 2019-ME-75 2019-ME-57
35	B11	Dr. Jamal Umer	Design, Analysis and Fabrication of Hydro Turbine for Generation of Electricity	Syed Qaiser Abbas M. Hamza Hafeez Abdul Rasheed	2019-ME-47 2019-ME-32 2019-ME-34
36	D10	Dr. Jamal Umer	Thermal Management of Batteries for EV Application	Ahmer Hameed Usama Iqbal	2019-MS-164 2019-ME-175
37	B7	Dr. Naseer Ahmad	Design of Sand Blasting Robot	Rohan Saif Hassan Ali Tahir Abbas	2019-ME-58 2019-ME-69 2019-ME-60
38	A9	Engr. Muhammad Kashif Tariq	Analysis of Centrifugal Fan	M. Hasham Siddiqui Arham Qadeer Shamoon Khan	2019-ME-05 2019-ME-44 2019-ME-15
39	B9	Engr. Ahmad Naveed	Design and optimization of of human body parts orthosis	Tooba Fatima Nabiha Abbas Iqra Majeed	2019-ME-83 2019-ME-86 2019-ME-90
40	B10	Engr. Ahmad Naveed	Topological optimization of Truss Structure to carry lateral load	Aysha Iftikhar Sobia Zulfiqar Samia Shahzadi	2019-ME-89 2019-ME-87 2019-ME-88
41	C9	Engr. Ahmad Naveed	Design and analysis of In-Pipe micro hydel turbine	Shuraim Shehryar Naeem Rafay Ahmed	2019-ME-104 2019-ME-102 2019-ME-103
42	C10	Engr. Ahmad Naveed	Design and Analysis of Airless Tyre based upon FDM technique.	Muhamma Ali Saqib Moiz Bin Azeem Haroon Jamshed	2019-ME-143 2019-ME-119 2019-ME-145
43	D8	Engr. Ahmad Naveed	Simulation based Aerodynamic Design optimization of passanger car	Muhammad Adnan Muhammad Nasir Zakariya Ijaz	2019-ME-154 2019-ME-156 2019-ME-181
44	M10	Engr. Ahmad Naveed	Design Analysis and Fabrication of Prosthetic Hand	Sana Naz M. Hassan Majeed M. Danial Javed	2019-ME-91 2019-ME-184 2019-ME-161
45	A8	Engr. Syed Saqib	Cooling of Water Through Different Refrigerent	M. Shahroz Shahbaz Huzaifa Virk Daud Tariq	2019-ME-37 2019-ME-35 2019-ME-42
46	B6	Engr. Syed Saqib	Hydroxy Gas Generation and its Applications in IC Engine	Arbaz Raza Khan Ali Hassan Abrar Ahmad	2019-ME-53 2019-ME-56 2019-ME-62
47	C1	Engr. Syed Saqib	Generation of Bio-diesel and its Testing on Diesel Engine	Awais Majeed Muhammad Mubashar Munir Mazher Khan	2019-ME-141 2020-P/2019-ME-119 2019-ME-137
48	C4	Engr. Syed Saqib	Hydrodynamics Study of Circulating Fluidized BedGasifier (Cold Model)	Touqeer Ahmad Haider Ali Muneeb-ur-Rehman	2019-ME-111 2019-ME-112 2019-ME-106
49	M6	Engr. Syed Saqib	Hydroxy Gas Generator Fabrication and its Application in IC Engine	Ahmar Ilyas Usama Ramzan Nubair Anwar	2019-ME-67 2019-ME-73 2019-ME-133
50	B5	Dr. Jawad Sarwar	Design and Simulation of a Roadside Hybrid Wind / PV Energy Harvesting System	Ahmad Tariq Umar Shaukat Abdul Rehman	2019-ME-51 2019-ME-54 2019-ME-71
51	C5	Dr. Jawad Sarwar	Design and Analysis of a Heat Sink for a Dual Concentrated Photovoltaic System	Bilal Maqsood Abdullah Hameed Ali Raza	2019-ME-117 2019-ME-116 2019-ME-107
52	C7	Dr. Jawad Sarwar	Design & Analysis od Micro-channel Heat Sink for Cooling of High Concentrated Photovoltaic System	Abdul Basit Saif Kamran Ali Jawad Naqvi	2019-ME-109 2019-ME-124 2019-ME-127
53	M7	Dr. Jawad Sarwar	Design and Analysis of Dual Concentrated Photovoltaic System with Phase Change Material	Shahreen Afzal Aiman Aslam Tauqeer Moavia	2019-ME-82 2019-ME-84 2019-ME-120
54	D4	Engr. Muhammad Jawad	Titanium Oxide / Titanium Carbide Nano Thin Film Coating for Enhancement of PEM Fuel Cells	Salman Amjad Muhammad Hammad Bin Tariq Muhammad Umair	2019-ME-157 2019-ME-152 2019-ME-163
55	M8	Engr. Muhammad Jawad	Supply Chain Management	Qasim Rasheed Ahmad Abdul Ghaffar Syed M. Abdullah Bukhari	2019-ME-122 2019-ME-142 2019-ME-77