

List of MSc Students Thesis

Sr.No	Reg No	Student's Name	Title of MSc Thesis	Research Supervisor
01	21-MS-ENC-02	Muhammad Adnan	Intelligent Swarm Formation of Autonomous Robots	Prof. Dr. Yaseer Arafat Durrani
02	21-MS-ENC-03	Asim Ali	Air-To-Air Drone Detection Using Computer Vision	Dr. Syed Azhar Ali Zaidi

MSc Degree Completed

Sr.No	Reg No	Student's Name	Title of MSc Thesis	Research Supervisor
<u>1</u>	17F-MS-ENC-08	Hasnain Raza	Design and implementation of an area Efficient and high Throughput LDPC Decoder	Dr. Syed Azhar Ali Zaidi
<u>2</u>	17F-MS-ENC-09	Muhammad Ijaz	Digital Filter Design Using Stochastic Computing	Dr. Syed Azhar Ali Zaidi
<u>3</u>	17F-MS-ENC-10	Saba Rani	Investigations on patent DE 102004037519B: the "Nanonose"	Dr. Usman Masud
<u>4</u>	17F-MS-ENC-13	Muhammad Fahim Zafar	A compact Quarter-wave plate based on bilayer Anisotropic Metasurface	Dr. Usman Masud
<u>5</u>	17F-MS-ENC-16	Mubashir Rehan	Balanced Truncation Based Model Order Reduction of Large-Scale System	Dr. Khawaja Shafiq Haide
<u>6</u>	18F-MS-ENC-03	Bilqees Sitara	Design of a metasurface based microwave absorber	Dr. Amir Rashid
<u>7</u>	18-MS-ENC-07	Humaira Rauf Qazi	Balanced truncation-based model-order reduction of dynamical systems	Dr. Khawaja Shafiq Haider
<u>8</u>	19-MS-ENC-01	Misha Urooj Khan	Design and Implementation of Real time Simultaneous Localization and Mapping (SLAM) Algorithm on FPGA	Dr. Syed Azhar Ali Zaidi
<u>9</u>	19-MS-ENC-03	Ayesha Farman	Power modeling for high performance Network on-Chip architectures	Prof. Dr. Yaseer Arafat Durrani
<u>10</u>	19-MS-ENC-04	Qaiser Maqsood	Model order reduction of large-scale systems	Dr. Khawaja Shafiq Haider
<u>11</u>	19-MS-ENC-10	Sabahat Tanveer	Antenna design for 5G communication systems	Dr. Amir Rashid

Absent MSc Student

Sr.No	Reg No	Student's Name	Title of MSc Thesis	Research Supervisor
1	17F-MS-ENC-02	Hadia Kiran	TSV Extracted Equivalent Circuit Modeling for homogenous 3D ICs and Fault Characterization	Prof. Dr. Yaseer Arafat Durrani
2	17F-MS-ENC-07	Adeela Fatima	Power Analysis Approach for Through Silicon Vias in 3D ICs	Prof. Dr. Yaseer Arafat Durrani
3	17F-MS-ENC-11	Dania Batool	Thermal Modeling Approach for Homogenous Layered 3D Ics	Prof. Dr. Yaseer Arafat Durrani
4	17F-MS-ENC-15	M. Asif Ramzan	Implementation of Neural Network using Stochastic Computing	Dr. Syed Azhar Ali Zaidi
5	15-MS-ENC-12	Khizer Sultan	Modeling and Control of Electric Continuously Variable Transmission for Hybrid Electric Vehicles using Dual-Rotor Machine in Power-split Configuration	Dr. Aamir Rashid
6	15-MS-ENC-13	Muhammad Ismail	FOPID based iterative learning control for a non-linear boiler system	Prof. Dr. Yaseer Arafat Durrani
7	17F-MS-ENC-01	Mudassir Murtaza	A Highly efficient wideband anisotropic cross polarization conversion metasurface	Dr. Aamir Rashid
8	17F-MS-ENC-04	Muhammad Ayaz	Accurate Detection of Pulmonary Tuberculosis Using Chest Radiograph Images	Prof. Dr. Gulistan Raja
9	17F-MS-ENC-05	M. Shan Saleem	Design and Implementation of Improved Single Image Dehazing Algorithm	Prof. Dr. Gulistan Raja
10	17F-MS-ENC-06	Tariq Ullah	Manipulating multiple broadband circular polarization conversion using anisotropic met material	Dr. Aamir Rashid
11	17F-MS-ENC-12	Siddiqua Javed	Development of GPU Accelerated Radio channel Models for	Dr. Sajjad Hussain

			futuristic. 5G networks in urban Microcellular Environments	
12	17F-MS-ENC-14	Muhammad Adnan	Investigation of Metasurfaces for Beam Splitting Applications	Dr. Aamir Rashid
13	18-MS-ENC-05	Nida Israr	Thermal modeling for FPGA based network on chip designs	Prof. Dr. Yaseer Arafat Durrani
14	19-MS-ENC-02	Bilal Haider	Defender hardware trojan resilient processor core	Dr. Syed Azhar Ali Zaidi
15	19-MS-ENC-08	Hamza Aziz	Performance evaluation of low density parity check codes for Multi- level cell NAND flash memories	Dr. Syed Azhar Ali Zaidi
16.	20-MS-ENC-02	Musawir Hussain	Design and Implementation of Hardware-Efficient Physical Unclonable Function on FPGA to Enhance Hardware Society.	Dr. Syed Azhar Ali Zaidi