Salient Thesis

S.No	Thesis Title	Student	Advisor/Supervisor
01	To Design, develop and simulate a complete autopilot system for a UAV (unmanned aerial vehicle), including Lateral and Longitudinal Controllers and Navigation System	Mansoor Ahsan	Dr. Suhail Akhtar
02	Adaptive Control of a Quadcopter	Imran Rashid	Dr. Suhail Akhtar
03	Design, implementation and testing of PLL based Frequency Synthesizers at X-Band	Zahid Yaqoob Malik	Dr Jehangir Kiyani
04	Design and Implementation of Mismatch Filter for Radar Pulse Compression	Tanveer Shrafat	Dr Rauf Iqbal
05	Stochastic Geometry and Aggregate interference of Thinned nodes in Ad-Hoc Networks	Zahid Ali	Dr. Aamir Hasan
06	Performance analysis of adhoc routing protocols	Khurram Siddique	Dr. Ammar Masood
07	Evaluation of performance metrics for Ad hoc on-demand distance vector routing protocol for (MANETs) using realistic mobility models.	M. Irfan Laone	Dr. Ammar Masood
08	Optimization of OLSR routing protocol against variation in network parameters	Navaid Akhtar	Dr. Ammar Masood
09	Prediction of Limit Cycles of a Wing Section	Qasim Ali	Dr. Suhail Akhtar
10	Modelling aggregate interference under realistic mobility scenario in adhoc networks	Muhammad Yahya	Dr. Aamir Hasan
11	Automatic Modulation Classification System	Aliya Ahmed	Dr Nadeem Lahrasab
12	Combatting Jamming in a Frequency Hopped System Through Interleaving	Junaid Hafeez	Dr. Aamir Hasan
13	Cross-Layer Optimization of AODV Protocol for Mobile Ad-hoc Networks (MANET)	Muhammad Kamrul Islam	Dr. Ammar Masood
14	Acoustic Array Processing	Ghulam Nabi Abassi	Dr. Suhail Akhtar
15	Nonlinear Inverse Adaptive Control	Hammad Munawar	Dr. Suhail Akhtar
16	Follow on Receiver	Muhammad Rashid Mahmood	Dr. Suhail Akhtar

17	Convergence of Mobile Phones and Wireless Sensor Networks.	Awais Munawar	Dr Ammar Masood
18	Localization Using Wireless Technology.	M faisal Khan	Dr Ammar Masood
19	Design of flight control system for experimental glide vehicle with all moving inverted v tail fins.	Imran Mir	Dr Suhail Akhtar
20	Radar Signal Processing Designing of a Radar Scan Converter.	Muhammad Fahad Mirza	Dr Nadeem Lahrasab
21	Target Tracking using Gaussian Mixture Probability Hypothesis Density (GMPHD) Filter	Waqas Aftab Malik	Dr Arshad Munir
22	Development of Dynamic Pressure Characterization Setup for MEMS pressure sensor	Ammar Saleem	Dr Suhail Akhtar
23	Analysis of Radar Pulse Integration and CFAR Techniques in the presence of Pulse Jamming	Umair Raza	Dr Sohail Ahmed
24	Multichannel Beam Forming using FPGA based down-conversion	Abdul Basit	Dr Israr Hussain