**Detail of PH.D. Thesis**

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| **S.No.** | **Name & Registration No.** | **Thesis Report** | **Guide** |
|  | Surita MainiPh.D./46/08 | Design & Field Analysis of EM devices using FEM with the application with Bio Medical | Dr. Anupma Marwaha Nov. 2012 |
|  | Ashiwini Kumar Ph.D./53/08 | Approach to Fault Diagnosis in Electronic System | Dr. A.P Singh Feb. 2012 |
|  | Parinder Kaur Ph.D./65/2008 | Identification and optimized Fuzzy rule-based models | Dr. A.P. SinghMarch 2013 |
|  | Shaweta RaniPEC 1003 | On the design and optimization of fractal antenna | Dr. A.P. SinghDecember 2013 |
|  | Adesh Bindal Ph.D./99/2009 | Performance evaluation of Nonlinearities in Raman amplifier for WDM system | Dr. Surinder Singh April 2014 |
|  | Ajaypal Chauhan PEC/13/07 | Development of an intelligent fruits quality grader | Dr. A.P. SinghDecember 2014 |
|  | Amandeep Singh PEC/1103 | Design and optimization of high-speed patch antenna for broadband communication | Dr. Surinder SinghMay 2015 |
|  | Manoj PandeyPh.D./85/2009 | System-level reconfigure techniques for real time object tracking | Dr. J.S. UbhiJan 2016 |
|  | RajniPh.D./1004/2010 | Modeling of the metamaterial structures for design of the planners antenna | Dr. Anupma Marwaha March 2016 |
|  | Yadwinder KumarPh.D./1105 | Synthesis and optimization Hybrid fractal Antenna for Multiband Wireless Application. | Dr. Surinder Singh April 2016 |
|  | Lakhwinder Singh SolankiPEC/51/2008 | Performance analysis of microwave detection and image reconstruction of breast tumor | Dr. Surinder SinghMay 2016 |
|  | LovkeshPh.D./1106 | Design optimization of photonics signal processing system for ultra high speed switches for communication systems. | Dr. Surinder Singh Oct. 2016 |
|  | Pardeep Kumar Gaur PEC/1002 | Enhancing gateway discovery mechanism internetworking using IPV6 addressing wireless adhoc networks | Dr. Anupma Marwaha August 2018 |
|  | Sukhbir SinghPEC/1402 | Design and optimization of spectral Inefficient Broadband Communication System | Dr. Surinder Singh September 2018 |
|  | Harsimrat Kaur PEC/1109 | Synthesis and microwave absorption analysis of M-Type hexagonal ferrites in X band | Dr. Anupma Marwaha 2018 |
|  | Baljinder KaurPEC/1506 | Designing and optimization of the Electronically steerable patch Antenna array | Dr. Anupma Marwaha July 2019 |
|  | Gurmeet Singh PEC/1403 | Development of printed multiband fractal Antennas for wireless applications | Dr. A.P. Singh2020 |
|  | Candy GoyalPEC/1204 | Designing and analysis of nanoscale arithmetic circuit for the low power VLSI design | Dr J.S UbhiFebruary 2020 |
|  | Jyotika Chopra PEC/1104 | Enhancement of techniques for off-line signature and fingerprint matching | Dr. Anupma Marwaha May 2020 |
|  | Taranpreet kaur PEC/1107 | Optimization of Eam based Wavelength converter for optical networks | Dr. Surinder Singh Oct.2020 |
|  | Tarunpreet Kaur PEC/1505 | Design of QoS aware MAC routing cross-layer protocol in wireless sensor networks | Dr. Dilip KumarNovember 2020 |
|  | Ashish KumarPEC/1502 | On the design of micromachine reconfigurable patch antenna satellite communication | Dr. A.P. SinghDecember 2020 |
|  | Monika Agarwal PEC/1201 | Development of the spectrum fractal antenna for cognitive radio application | Dr. A.P. SinghDecember 2020 |
|  | Neeraj JulkaPEC/1101 | Some study of the machine vision-based inspection of wheat kernels | Dr. A.P. Singh2021 |
|  | Mukesh Kumar PEC/1503 | Radiation hardened SRAM memory design | Dr. J.S. Ubhi2021 |
|  | Sandeep Kochar PEC/1303 | Investigation on implementation of the conformal patch antenna for airborne application | Dr. Surinder SinghMay 2021 |
|  | Rajeev KumarPEC/1702 | Investigation on implantable antenna for biotelemetry applications | Dr. Ajaypal SinghDr. Surinder SinghSeptember 2022 |
|  | Veerpal KaurPEC/1504 | Design optimization of photonic Crytal plasmonic sensor for chemical and Biochemical Applications. | Dr. Surinder Singh2021 |