

Student Name	Student Roll No	Specialization	Allotted Project	Supervisor	Co-supervisor (If any)
Darshan R S	234102002	CE	CE_MBR01: Performance Analysis of IRS-Assisted Joint Sensing and Communication	Manoj B R	
Jilitkho Narzihary	234102003	CE	CE_AR02: Construction of Polar Codes With Reinforcement Learning	A. Rajesh	
Rishitha Pulluru	234102004	CE	CE_SLK01: Intelligent Reflecting Surface Aided Integrated Sensing and Communications	Salil Kashyap	
AMIT KUMAR YADAV	234102005	CE	CE_SLK02: Intelligent Reflecting Surface Aided Underlay Spectrum Access Networks	Salil Kashyap	
Bunga Anvesh	234102006	CE	CE_SC02: Channel aggregation in NR-U wifi coexistence	Sonali Chouhan	
Diksha Pawar	234102007	CE	CE_TJ02: FPGA implementation of Sparse FFT Algorithms	Tony Jacob	Roy Paily Palathinkal
jonnalagadda tharun kumar	234102008	CE	CE_KRS01: Sum Rate in co-located and cell-free massive MIMO communication	Kshetrimayum Rakhesh Singh	
Ketaki verma	234102009	CE	CE_ABA02: Concatenated quantum error correction codes	Arun B. Alosious	
Mansi Nema	234102011	CE	CE_KND03: Secure Wireless Communications via Intelligent Reflecting Surfaces	Kuntal Deka	
Rahul Tyagi	234102012	CE	CE_KND01: Precoder Design for MIMO-RSMA	Kuntal Deka	
RAJA RAHUL GODESI	234102013	CE	CE_AR01: Rate Splitting Multiple Access with SCMA	A. Rajesh	
Simran Raj	234102014	CE	CE_SC01: Multi-channel NR-U wifi coexistence	Sonali Chouhan	
SUBHAJIT MONDAL	234102015	CE	CE_SJD03: On orthogonal arrays and resilient function	Smarajit Das	
Sqn Ldr Abhinav Sharma	234102016	CE	CE_SJD02: On the measure of uncertainty	Smarajit Das	
AKASH AGRAWAL	234102101	PE	PE_PT01: Speed control of BLDC motor in Electric Scooter	Praveen Tripathy	
Atheeshlal Pallath	234102102	PE	PE_CK03: Modular dc-dc converter system	Chandan Kumar	
Kottana Sai Praneeth	234102103	PE	PE_SN01: Development of Power electronic transformers for EVs and smart micro-grids	Shabari Nath	
Kumar Shashank Shekhar	234102104	PE	PE_SG01: Modelling of Proton Exchange Membrane Fuel Cell to monitor its health and degradation	Sanjib Ganguly	
RANJEET KUMAR	234102105	PE	PE_SG02: Modelling of Lithium-ion battery to monitor its health and degradation	Sanjib Ganguly	
Sohail Ahmad	234102106	PE	PE_SJG01: Development of a networked microgrid testbed	Sreenath J G	Parijat Bhowmick
Sourav Sarkar	234102107	PE	PE_SN02: Single input multi output (SIMO) DC-DC converters	Shabari Nath	
Subhrajyoti Das	234102108	PE	PE_PRB01: Analysis and impact of solar generation on IIT Guwahati's electrical distribution system	Prabir Barooah	Praveen Tripathy
AASHISH KUMAR	234102109	PE	PE_RA02: DC to AC power converters: Design and Control for EV Applications I	Ravindranath Adda	
Perika Mouni Rishitha	234102110	PE	PE_CK01: dual active bridge converter for battery charging	Chandan Kumar	
paturi venkatadri	234102111	PE	PE_RA01: Advanced DC-DC converter design and control for Solar and Wind system I	Ravindranath Adda	
Dalesh Patle	234102201	MPRF	MPRF_ATM02: Electrical Cross-Talk Between Memristors in Crossbar Circuits using LAOSS	Arun Tej Mallajosyula	
SAI KARTHIKEYA PAPPU	234102205	MPRF	MPRF_RB02: Design of power divider/combiner in the sub Terahertz frequency bands	Ratnajit Bhattacharjee	Mahima Arrawatia
Sayan Ghosh	234102206	MPRF	MPRF_ATM01: Modeling Complementary Resistive Switching Behavior in ReRAMs	Arun Tej Mallajosyula	
Shreya Keshari	234102207	MPRF	MPRF_DS02: Improving Light Extraction Efficiency of Organic LEDs	Debabrata Sikdar	
SONU SHRIKANT	234102208	MPRF	MPRF_AB01: Design and Engineering of High-Power Devices	Ankush Bag	
Sourav Sarkar	234102209	MPRF	MPRF_KRS02: Design, fabrication and testing of wearable antennas	Kshetrimayum Rakhesh Singh	
Susmita Kalidaha	234102210	MPRF	MPRF_AS03: Design of a wide-band reconfigurable beam scanning reflectarray for 6G Communication system.	Ashwini Sawant	
Shantanu Singh Chauhan	234102211	MPRF	MPRF_RKS04: To be decided in consultation with the student	Ramesh Kumar Sonkar	
Amit kumar das	234102301	SPML	SPML_PG01: Design of Light Weight Networks for Face Recognition	Prithwijit Guha	
Amit Nagora	234102302	SPML	SPML_MB02: Deep learning aided ultrasound elastography imaging of biological tissues	Manish Bhatt	
ASUTOSH SAHU	234102303	SPML	SPML_MKB01: Machine Learning, Deep Learning, Computer Vision, Image Processing, Biomedical Signal Processing, HCI	M.K. Bhuyan	
DILLIP S	234102304	SPML	SPML_PG03: Visual Lip Reading with Lightweight Networks	Prithwijit Guha	

Student Name	Student Roll No	Specialization	Allotted Project	Supervisor	Co-supervisor (If any)
Durgesh Yadav	234102305	SPML	SPML_MB01: Deep learning algorithms for Synthetic Aperture Radar imaging	Manish Bhatt	
MANE MURALIDHAR	234102307	SPML	SPML_SD01: Cardiovascular Signal Analysis	Samarendra Dandapat	L. N. Sharma
RAJAVELU E	234102308	SPML	SPML_SK01: Implementation of Homomorphic machine learning algorithms	Srinivasan Krishnaswamy	Hanumant Singh Shekhawat
Yashkumar Sanjaykumar	234102309	SPML	SPML_HSS02: Machine learning for helathcare	Hanumant Singh Shekhawat	
Adrija Das	234102310	SPML	SPML_KK02: Developing and Designing Strategies/Algorithms to detect all forms of Image Forgeries	Kannan Karthik	
Bhavesh Joshi	234102311	SPML	SPML_MKB02: Machine Learning, Deep Learning, Computer Vision, Image Processing, Biomedical Signal Processing, HCI	M.K. Bhuyan	
CHERUPELLI ANVESH	234102312	SPML	SPML_KK01: Detecting Measurement Modalities in IMAGES, SIGNALS and DATA which result in Benford-first-digit-distribution Convergence	Kannan Karthik	
Jithu J	234102314	SPML	SPML_CB03: On co-ordination between aerial vehicles and underwater vehicles.	Chayan Bhawal	
P UMAPATHI	234102315	SPML	SPML_AD04: AI-Driven Fog Effect Correction for Enhanced Driving	Anirban Dasgupta	
Pritam Kumar Singh	234102316	SPML	SPML_SS01: Palm print recognition	Suresh Sundaram	
Saumya	234102317	SPML	SPML_RDK02: Development of Python library for the interferogram analysis	Rishikesh Dilip Kulkarni	
POOJA KUMARI	234102318	SPML	SPML_AD02: AI-Driven Rain Effect Correction for Enhanced Driving Assistance	Anirban Dasgupta	
Chandan Bordoloi	234102406	VLSI	VLSI_HN03: Nanomaterial-enabled sensor for arsenic detection in water.	Harshal B. Nemade	T. K. Mandal, CHE.
CHARUGUNDLA SAI BHARATH	234102407	VLSI	VLSI_GT05: Real time object detection using FPGA based AI/ML accelerators	Gaurav Trivedi	
Deepika S	234102408	VLSI	VLSI_RKJ03: Design and Development of capacitive pressure sensor for electronic skin	Ravindra Kumar Jha	
Harsh Kumar Tiwari	234102409	VLSI	VLSI_RP01: Low power implementation of Neural Network for secure RISC-V CPU	Roy Paily Palathinkal	
CHANUKYA KARTALI	234102410	VLSI	VLSI_MA01: Design of an on-chip FMCW radar	Mahima Arrawatia	Prithwijit Guha
Bodepu Kasi Viswanadham Naidu	234102411	VLSI	VLSI_GT07: Designing OpenFPGA and RISC-V based Hardware Accelerators to Prevent Side Channel Attacks	Gaurav Trivedi	Srinivasan Krishnaswamy
Kotapati Vamshi Krishna	234102412	VLSI	VLSI_RKJ04: Paper-Based Electronic Sensors for Heavy Metal Ion Detections in Water	Ravindra Kumar Jha	
Nagendra Kundrapu	234102413	VLSI	VLSI_SRA03: VLSI architecture to detect brain disorders	Shaik Rafi Ahamed	
Pushpendra gurjar	234102414	VLSI	VLSI_RP02: Securing Open Source Processor (Rocket/Skathi processor) against Power Analysis Attacks	Roy Paily Palathinkal	
Seeku Lokesh kumar	234102416	VLSI	VLSI_GT02: Design and implementation of reconfigurable random number generator for hardware security applications.	Gaurav Trivedi	Srinivasan Krishnaswamy
SOHAM KUNDU	234102417	VLSI	VLSI_AB05: Design, Simulation and Modelling of Photodetectors for UV Photonics	Ankush Bag	
ABBANNAGARI VARUN KUMAR	234102418	VLSI	VLSI_RP03: Hardware Implementation of Memory-based Multiplier-less Variable Length FFT for Massive MIMO systems	Roy Paily Palathinkal	
Ameen Mohammed	234102419	VLSI	VLSI_SRA02: VLSI Architectural design for Driverless Cars	Shaik Rafi Ahamed	
Gangala Venkata Sai	234102420	VLSI	VLSI_HN02: A device for non-invasive treatment of Alzheimer's disease.	Harshal B. Nemade	Vibin Ramakrishnan, BSBE
Prajakta Arvind Wakde	234102421	VLSI	VLSI_SRA04: Development of Efficient VLSI Architectures for Sleep Stage Classification	Shaik Rafi Ahamed	
Saurabh Kumar	234102422	VLSI	VLSI_GT03: LLM based hardware accelerators for NLP processing	Gaurav Trivedi	
ARYA MALLICK	234102501	SCA	SCA_CB01: On co-ordination between aerial vehicles and underwater vehicles	Chayan Bhawal	
Mrityunjay Kumar Paswan	234102502	SCA	SCA_IK01: Kinematic control of a 7DoF robotic manipulator using machine learning	Indrani Kar	
SOURAV KHANRA	234102503	SCA	SCA_SM01: Modelling of System Dynamics in the Face of Disturbances	Somanath Majhi	
Isha Rani Das	234102504	SCA	SCA_CM01: Robust Optimal Controller Design for Energy Management System (EMS) in Electric Vehicle Application	Chित्रalekha Mahanta	
MEESALA GANESH	234102505	SCA	SCA_PRB04: Modeling for controller design of an autonomous boat	Prabir Barooah	Chayan Bhawal
SANTANU BARAT	234102506	SCA	SCA_PB01: Research on Collaborative Robotics Applied to Minimally Invasive Robotic Surgery	Parijat Bhowmick	
Yogesh Kumar Chauhan	234102508	SCA	SCA_PB02: Distributed Cooperative Control of Networked UGVs with Application to Autonomous Vehicle Platooning (EV-platooning)	Parijat Bhowmick	