Samsung Fellowship Award for B.Tech/B.Des Students
(June-2021 May-2022)

Following Under graduate students were awarded prestigious Samsung Fellowship to carry out the translational research. The monthly fellowship is awarded from June 2021 to May 2022.

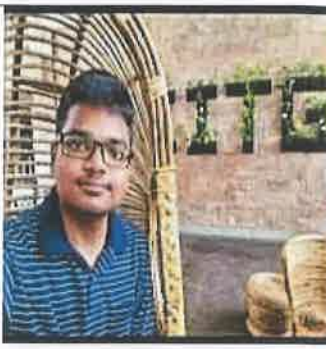| Sl.No.	Project	Name with Photographs
1	Deep Reinforcement Learning based Collaborative Caching for DASH video streams	PRANAV GUPTA
2	Analysis of Packet Header attacks in NoC based TCMPs and Cost-effective Mitigation Techniques	MOHAMMAD HUMAM KHAN
3	Scheduling in Heterogeneous Distributed Systems	POOJA GAJENDRA BHAGAT
4	Pose estimation for Visual SLAM	PULKIT CHANGOIWALA

5	Incremental Learning for Robotic Vision	BHASKER GOEL
6	Applications of Cryptography in Voting	KESHAV SHARMA
7	Development of MicroFluidic Pump in a Micro-channel with Propagative Rhythmic Membrane Contraction	JAIKISHAN GUL MANSUKHANI
8	Predictive Maintenance Using Machine Learning	ARPIT AGRAWAL
9	Edge Computing Assisted Adaptive Streaming scheme for Mobile Networks using Deep Learning	DODDAVULA LIKHITHKUMAR REDDY

10	Detection of Japanese encephalitis virus (JEV) using Ultrasensitive Magnetic nanoparticle DNA probe-based PCR assay	 ABHAY SINGH
11	Numerical Study of Bubble Coalescence in Sinusoidal Channels	 ANKIT RAJ
12	Shield Synthesis for Cyber-Physical Systems	 SIDDHARTHA JAIN
13	Peptide self-assembly: hydrogels for biomedical applications	 ABDULLAH JAMIL AHMAD
14	Development of Bio-sensors.	 SACHIT KALIA

15	Design and Development of a Metamaterial for Amputated Limb-Socket Interface.	 _Mayukh Nath_ MAYUKH NATH
16	Computational Study of Bandgap Engineering in 2D MXenes	 NITHIN K RAJENDRAN
17	Detection and resistance of Adversarial Attacks on Deep Learning Models	 PAIDIMARRI MANOJ
18	Audio Driven Facial Reenactment	 SHANKARAMPETA ABHILASH REDDY
19	AI tool development for Parkinson's disease prediction	 KOTHA ANANYA REDDY

20	Utility of AI-ML-Data Analytic Tools in the Frugal Point-of-Care-Testing Devices for Elderly Care	AHEMAD KHAN PATHAN
21	Determination of the onset of mucor mycosis using image analysis followed by AI-ML-Data analytics - fungal origin	YOGESHWAR PRASAD LOHIYA
22	3D printing of time delivery drugs	KUMAR SATYAM
23	A data driven algorithm to optimally decide training and test data sets in machine learning	J.NEERAJA
24	From Galois theory to Galois theories	ANIMESH RENANSE

25	Design and Development of an Intelligent Mechatronic Exoskeleton System	 KUNAL
26	Fake News Detection	 MOHAN KUMAR
27	Applications of Machine Learning in network security.	 GALI JAYA PRAKASH REDDY
28	OTFS Modulation for 5G and beyond.	 MANNAM SRINIVAS SAI
29	Applications of Expansion Mechanisms in Materials and Products	 VISHNU SURESH

30	Jump-Drop-Adjusted Prediction of Cumulative COVID-19 Infected Cases Using Epidemiological Models.	 PRATHAPANI SRAVYA
31	Stochastic modelling and analysis for management of systems (Management science/ decision science).	 HARSH YADAV
32	Comparative investigation of vibration and current monitoring for prediction of mechanical and electrical faults in induction motor based on multiclass-artificial neural networks algorithms	 AYUSHI RAI
33	Design and development of an intelligent mechatronic exoskeleton system	 GHANSHYAM SHIVHARE
34	Jump-drop adjusted prediction of cumulative COVID 19 infected cases using epidemiological models	 RASHI MOHTA

35	Implementation of bfloat16 arithmetic co-processor in RISC V architecture based on SERV processor	KEERTHIVASAN S K
36	VLSI Architecture for detection of Myocardial Infarction using ECG	ANDRA SIVA SAI TEJA
37	Applications of Machine Learning in Network Security : Developing mechanisms to identify such traffic flowing over the network and decrypt these traffic.	HARSH GUPTA
38	Autonomous Vehicles and Electric Vehicles	AMIT RAI

39	Social Media Sentiment Analysis	 SHIVANGI KUMAR
40	Microcontroller based Intelligent Doors and Windows	 SUDESH CHAUDHARY