



Fr. C. Rodrigues Institute of Technology, Vashi

(An Autonomous Institute & Permanently Affiliated to University of Mumbai)

Department of Information Technology

Sem VII - VIII Major Project Details -Academic Year- 2025-26

Group No.	Roll No.	Name of the Student	Title of the Project	Category –I (Internal/External) , If external, mention Name of the Organization	Name of the Guide	Category-II Application/P roduct/ Research	SDG Mapped
1	5022108	Aditya U. Ambekar	Rush3D: A lightweight physics engine for animators	Internal	Dr. Vaishali Bodade	Application	SDG 9 - Industry, Innovation, and Infrastructure
	5022111	Ashlin Jose					
	5022160	Noel Jesudas					
	5022103	Shawn Alphonso					
2	5022101	Austin Vincent	Energy demand prediction using weather data and usage data	Internal	Mrs. Supriya Joshi	Application	SDG 7 : Clean and affordable energy SDG 9: Industry, Innovation & Infrastructure SDG 13: Climate Action
	5022130	Rohan Vinod Keny					
	5022129	Leroy Joseph					
3	5022149	Jigar Raina	A Smart IoT and AI-Based System for Reducing Food Waste Through Expiry Date Monitoring and Food Waste Prediction	Internal	Ms. Sharlene Rebeiro	Application	SDG 9: Industry, Innovation, and Infrastructure SDG 12: Responsible Consumption and Production
	5022136	Xavier Monteiro					
	5022143	Amogh Pandirkar					
	5022132	Om Kshirsagar					



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4	5022110	Ashley James	EchoSheild: Audio Deepfake Detection using ML	Internal	Mrs. Dhanashree Hadsul	Application	SDG 9 – Industry, Innovation, and Infrastructure. SDG 16 – Peace, Justice and Strong Institutions.
	5022126	Jeffrey Gian					
	5022117	Lerina Diwahar					
	5022125	Jeffin Mathew					
5	5022153	Anushka Sarkar	ParkinSense: Parkinson's Disease Prediction using ML Techniques	Internal	Mrs. Rupali Deshmukh	Application	SDG 3 – Good health and well being. SDG 9 – Industry, Innovation, and Infrastructure. SDG 11 – Sustainable Cities and Communities
	5022158	Shantanu Shinde					
	5022165	Mereena Varghese					
	5022166	Sukhada Wadodkar					
6	5022106	Alwin Mathew	Real time Object Measurement System using Reference Object	Internal	Mrs. Neelima Kulkarni	Application	SDG 9 - Industry, Innovation, and Infrastructure SDG 12 - Responsible Consumption and Production.
	5022146	Yash Patil					
	5022168	Manish Khateghare					
	5022173	Aditya Javheri					



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7	5022171	Ishwari Sheth	AI Mental Health Assistant Using NLP and Sentiment Analysis	Internal	Mr. Suraj Khandare	Application	SDG 3: Good health and well being
	5021128	Anish Lakra					
	5022118	Bernardine D'souza					
	5022152	chetan sanas					
8	5022131	Sahil Khebde	An Integrated Framework for Options Pricing Leveraging Stochastic Models, Greeks Analysis, and Market Sentiment	Internal	Mr. Anand Pardeshi	Application	SDG 8 :Decent Work & Economic Growth SDG 9: Industry, Innovation & Infrastructure SDG 10: Reduced Inequalities SDG 17 : Partnership for the goals
	5022115	Alisha Crasto					
	5022162	Aryan Thorat					
	5022145	Swaraj Patil					
9	5022148	chirag raina	Blind NAV : Navigation Android App for Blind Persons	Internal	Mrs. Poonam Bari	Application	SDG 11:sustainable cities and communities
	5022128	Abhishek jha					
	5022147	Aditya Pawar					
	5022135	Devendra Mishra					
10	5022107	Alysa Ann Jacob	Bimanual Control Algorithms for Robotic Arms	External - (IIT DHARWAD)	Dr. Shubhangi Vaikole Mrs. Lakshmi Gadhikar	Application	SDG 9: Industry, Innovation, and Infrastructure
	5022114	Aastha Burboz					
	5022120	Krishnaveni Dudigama					
	5022123	Shreya Hoskeri					
	5022124	Aishwarya Vinod Iyer					



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11	5022164	Sanchi Tiwade	Design and implementation of framework of M2M interactions using LLM	External -(EOTF)	Mrs. Lakshmi Gadhikar	Research	SDG 9: Industry, Innovation and Infrastructure SDG 12: Responsible Consumption and Production
	5022156	Rasika Sawant					
	5022144	Siddhi Shailesh Patil					
	5022122	Juhi Fernandes					
	5022119	Daniel Dsouza					
12	5022154	Akshayya Sawant	Task planning and workflow automation using n8n	External - (EOTF)	Dr. Trupti Lotlikar Mrs. Lakshmi Gadhikar	Application	SDG 8 :Decent Work & Economic Growth SDG 9: Industry, Innovation & Infrastructure
	5022155	Anushka Sawant					
	5022167	Rohan Bhagwat					
	5022133	Anu Sophiya					
13	5022113	Simon Borde	Sentiment analysis using facial expression for E-Commerce application	External - Application (EOTF)	Dr. Trupti Lotlikar	Application	SDG 8 :Decent Work & Economic Growth SDG 9: Industry, Innovation & Infrastructure
	5022138	Soham Vinay More					
	5022139	Sherwin Sekar Nadar					
	5022141	Harsh Nimje					
14	5022134	Aakanksh Mishra	Financial Assistant using Agentic Workflows and Long-Term Memory (MCP)	External - (Infinity Pool)	Mrs. Lakshmi Gadhikar	Product	SDG 8 :Decent Work & Economic Growth SDG 9: Industry, Innovation & Infrastructure SDG 10: Reduced Inequalities
	5022151	Poorva Raut					
	1022154	Joshua Vinu Koshy (Comp)					
	1022172	Sujit Lendave (Comp)					



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15	5022159	Harshal Shirole	Marketing Assistant using Agentic AI Workflows and Long-Term Memory (MCP)	External - (Infinity Pool)	Dr. Archana Shirke	Product	SDG 8 :Decent Work & Economic Growth SDG 9: Industry, Innovation & Infrastructure SDG 10: Reduced Inequalities
	5022172	Bhumi Vedant					
	1022157	Anuj Kadu (Comp)					
	1022155	Paras Kadam (Comp)					
16	5022121	Eby Elanjikal	Code Testing and Refactoring Engine using LLM	External - (EOTF)	Dr. Mukta Nivelkar	Application	SDG 9 - Industry, Innovation and Infrastructure
	1022253	Om Shinde (Comp)					
	1022259	Sojith Sunny(Comp)					
	1022265	Wynona Toby(Comp)					
17	5022102	Abhinn Amrit	Vehicle Identification and Traffic Compliance Using IR-Based Camera	External - (IISER)	Dr. Trupti Lotlikar	Resaearch	SDG 9 - Industry, Innovation and Infrastructure SDG 11 - Sustainable cities and communities
	5022150	Siddharth Rane					
	5022157	Melissa Sequeira					
	5022170	Anushka Pawar					
18	5022109	Angel Mathew	Scanner based validation for sensor wire bounds using ML	External - (IISER)	Dr. Archana Shirke	Research	SDG 9: Industry, Innovation, and Infrastructure
	5022140	Ayush Nair					
	5022163	Krishna Thusoo					
	5022169	Reeba Patel					



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19	5022137	Sakshi Santosh More	Object Detection using PYNQ-Z2 FPGA	External - (IISER)	Dr. Archana Shirke	Research	SDG 9 - Industry, Innovation and Infrastructure
	3022139	Aryan Dinesh Pardeshi (EXTC)					
	3022162	Riya Wadmane (EXTC)					
	3022142	Namrata Nivruti Patil (EXTC)					
20	5022161	Richie Thomas	Hardware Acceleration of MNIST Inference by Leveraging Sparsity in Neural Computation Using FPGA	External (IISER)	Dr. Archana Shirke	Research	SDG 9 - Industry Innovation and Infrastructure
	3022161	Vaishakh Varier (EXTC)					
	3022136	Aaditi Narvekar (EXTC)					
	3022134	Atharva More (EXTC)					


Ms. Lakshmi Gadhikar

**Name and Signature of
Project Coordinator**


Dr. Shubhangi Vaikole

**Name and Signature of
Head of the Department**