



Estd. : 1939

KARNATAK LAW SOCIETY'S GOGTE INSTITUTE OF TECHNOLOGY



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“Jnana Ganga”, Udyambag, Belagavi – 590 008, Karnataka, India

Approved by All India Council for Technical Education (AICTE), New Delhi, and UGC section 2(f) & 12(B). Permanently Affiliated and Autonomous Institution under Visvesvaraya Technological University, Belagavi. *Accredited by National Board of Accreditation (NBA), New Delhi. Accredited by National Assessment and Accreditation Council (NAAC) with **A+ Grade**

Tel: +91-831- 2498500, 2405506, Fax: +91-831-2441909, E-mail: principal@git.edu, Visit us @ www.git.edu

Department of Electronics and Communication Engineering

Facilities at NVIDIA Centre for Visual Computing

S. No.	Equipment details with specification	Qty
1	HP Z6 G4 Workstation with Intel Xeon W-3245 Processor (22M Cache, 3.20 GHz) NVIDIA RTX A4500 Graphics Card 24GB 4DP GFX	1
2	HP Z8 3MJ02PA Workstation with Intel Z8 CPU 3106 Xeon 1.7 CPU, 32GB DDR4, 256GB SSD, 1TB HDD, NVIDIA Quadro P1000 4GB Graphics Card	1
3	HP Desktop – DF4KOK5 12 th Gen Intel Core i5 – 12500 3GHz, RAM 8GB	2
4	DH-SD49225T-HN PTZ Network Camera with 2MP 25x Starlight IR PTZ Network Camera	1
5	Go Pro 9 with Waterproof Action Camera with Touch Screen 5K Ultra HD Video 20MP Photos 1080p Live Streaming Stabilization, Dual Screen, HyperSmooth 3.0 and Time Warp 3.0	1
6	NVIDIA Jetson NX Module with HeatSink (Leaf Spring & Screw) 12V Adapter	1
7	AverMedia EN715 CarrierBoard with Enclosure	1
8	NVIDIA Jetson Nano Developer Kit-B01	2
9	NVIDIA Jetson Nano Module with Heatsink	2
10	Waveshare JetBot AI Kit Accessories, Add ons for Jetson Nanoto BuildJet Bot	1
11	Waveshare Jetson IO Base(A)Carrier Board	2
12	JetRacer AI Kit, AI Racing Robot Powered by Nvidia Jetson Nano	1
13	Duckietwon Duckiebot MOOC Founder's Edition-For Jetson Nano	2
14	Arducam MINI IMX219 Camera Module for Jetson Nano/ Xavier NX (BO342)	1
15	SanDisk Ultra microSD UHS- Card 64GB, 120MB/s R	2
Kits Donated By NVIDIA Graphics Pvt Ltd to setup Embedded AI lab		
16	Jetson Nano Dev kit	4
17	AC8265 Wireless NIC for Jetson Nano with 5V Adapter	4
18	Wave share Camera Module	5
19	JETBOT Kit with Accessories	1
20	Sandisk 32 GB Memory card	5



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Department of Electronics and Communication Engineering

Industry Projects being carried out in association with DocketRun Technologies Pvt Ltd, Hubballi

S. No.	Project Title	Student Details
2023-24		
1	Advanced Computer Vision and AI-Based Fire and Smoke Detection System for Hazard Mitigation in Manufacturing Plants across Diverse Environmental Conditions	Yash Kulkarni (2GI20EC169) Yash Desai (2GI20EC170) Harshel Malawade (2GI20EC046)
2	Computer vision-based helmet traffic violation, detection and person identification in smart cities	Varun Tandur (2GI20EC159) Supreet Goudar (2GI20EC145) Shreya Ingale (2GI20EC129) Vaishnavi C. (2GI20EC174)
3	AI generated cell phone detection system in restricted areas inside manufacturing plants.	Pavan Kulkarni (2GI20EC171) Varad A Rasane (2GI20EC157) Neha S Ganiger (2GI20IS018)
4	Automated triple riding detection and challan generation	Kevin Pinto (2GI20EC180) Arjun J (2GI20EC027) Balagouda N (2GI20EC032) Mayankraj Patil (2GI20EC190)
2024-25 (Ongoing)		
5	Video Analytics Algorithms with NVIDIA AI-Driven Tools for Human Pose Estimation to Enhance Workplace Safety	Prathamesh Raikar (2GI21EC084) Siddhu Singadi (2GI21EC141) Prabal A. Birajdar (2GI21CS040) Shreyas A (2GI21EC131)

6	Face Recognition Based Image Separator	Sameeha K Sayed (2GI21EC114) Padmaj Lagare (2GI21EC075) Arihant Patil (2GI21EC029) Mahesh Walmiki (2GI21EC064)
7	Coal Segmentation from diverse background conditions	Anurag Ugargol (2GI22EC023) Charuta Joshi (2GI22EC039) Bhargavi Pai (2GI22CS039) Vaishnavi S Halyal (2GI23LDN06) Shivani Avargerimath (2GI23LDN05) Aditya R Math (2GI22CS013)
8	Synthetic Data Image Creation using Generative AI NVIDIA Tools for Manufacturing Industries	Prabal A. Birajdar (2GI21CS040) Amogh Kallimath (2GI22CS022) Aditya Manoli (2GI22CS011)