



**Dhanekula Institute of Engineering & Technology
(Autonomous)**



*Empowering minds with AI and
Innovation*

NEX GEN CLUB

OVERVIEW

The NVIDIA Club is a hub for students passionate about AI, deep learning, and computer vision. Leveraging the power of NVIDIA's advanced computing platforms, such as the Jetson Nano, our club aims to transform ideas into innovative projects. Through hands-on workshops, real-time AI model deployments, and collaborative projects, we explore diverse applications in robotics, healthcare, agriculture, and beyond.

Our club fosters an environment of continuous learning, encouraging students to push the boundaries of technology. Members are equipped with essential skills, from neural network training to real-time object detection, preparing them for industry challenges and opportunities in fields that shape the future.

❖ Club Name: NEXGEN CLUB

❖ Moto: INNOVATE & CREATE WITH AI

❖ President: Ms.Kommini Jayasri ECE

❖ Vice-President: Ms.V. Navya Sri CSM

❖ Student Executive Members :

Ms.Tavva Sravya (ECE)

Ms.U.Vaishnavi (ECE)

Ms.Yasasvini(CSM)

Mr.Sasank Sai (CSM)



Aim:

To empower students in AI and deep learning, fostering innovation through hands-on projects using NVIDIA technologies.

Values and Mission :

- ❖ **Innovation:** Driving AI-powered solutions through creativity and experimentation.
- ❖ **Collaboration:** Building a community that thrives on shared knowledge and teamwork.
- ❖ **Skill Development:** Empowering students with the practical skills necessary to excel in technology.
- ❖ **Social Impact:** Applying technology to create real-world solutions for societal benefit..

Vision:

"Shaping the Future of Technology Through Innovation and Collaboration!"

Our vision is to foster a dynamic community where students harness the power of cutting-edge technologies to become leaders in their fields. We envision a future where our members drive advancements in artificial intelligence, machine learning, and data analytics,

transforming industries and addressing global challenges. By empowering each other to explore, innovate, and collaborate, we aim to create a positive impact in sectors such as healthcare, sustainable development, and smart cities.

Year Planner:

1. Awareness Program
2. Skill Development and Cerifications
3. Innovation and Challenges.
4. Developing AI based Solutions for various real-world problems



GOALS:

- ❖ *Education and Awareness about NVIDIA Techs*
- ❖ *Participating in Hackathons, Competitions and Techevents*
- ❖ *Promote Professional Exploration and Networking*

Goal 1: Educating Students about NVIDIA TECH

Empowering the Next Generation of Innovators!

At our Student NVIDIA Club, we believe that education is the foundation for innovation. Our first goal is to provide comprehensive knowledge about NVIDIA, their technology, and their applications.

Goal 2: Participating in COMPETITIONS AND TECHEVENTS.

- ***Hands-On Experience:*** Apply what you've learned in real-world scenarios.
- ***Teamwork:*** Collaborate with fellow club members and foster teamwork.
- ***Feedback:*** Gain insights from judges and industry experts to improve your projects.
- ***Recognition:*** Showcase your innovative ideas and solutions to a broader audience.



Goal3: Promote PROFESSIONAL EXPLORATION AND NETWORKING



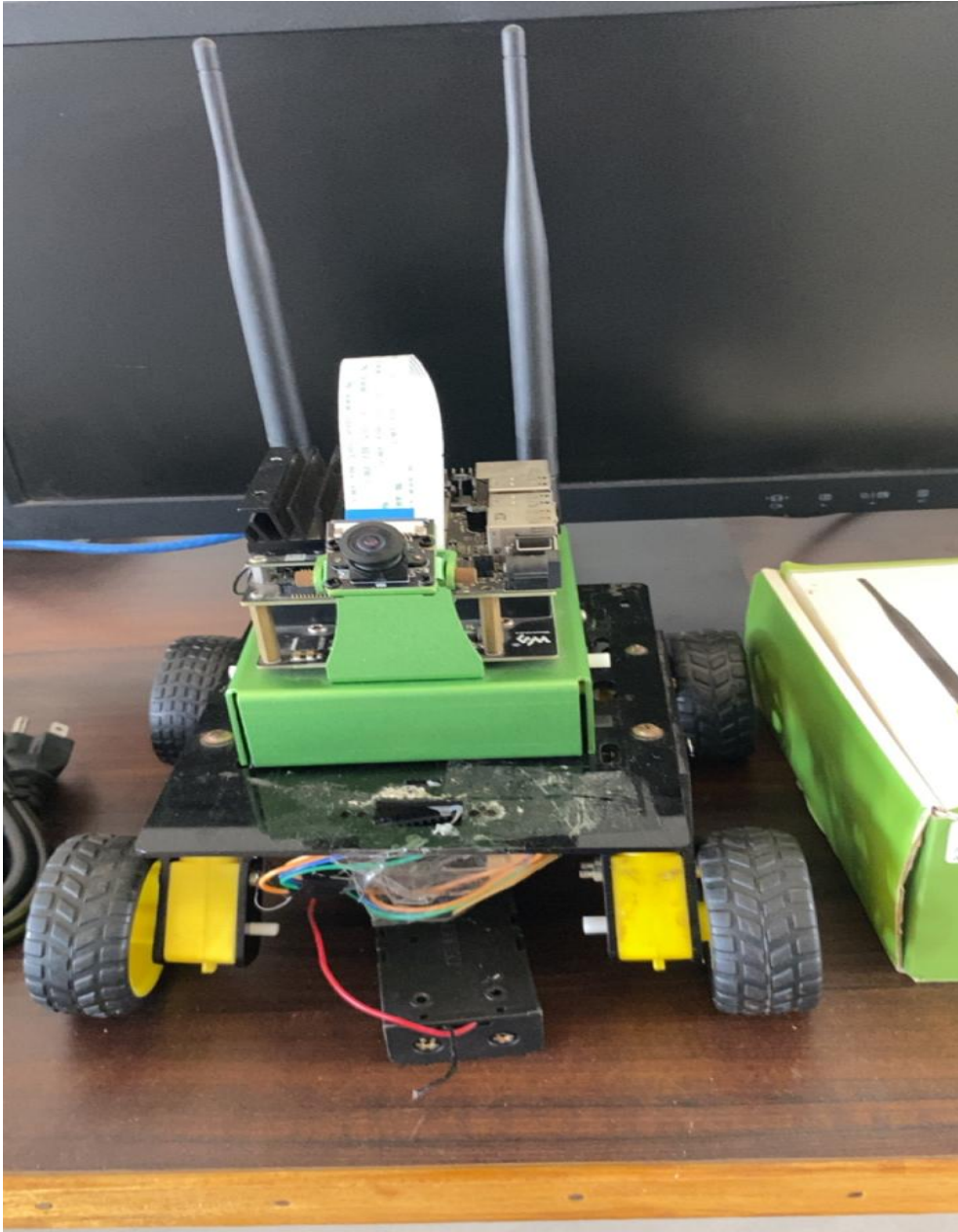
Project Demonstration Days



Collaborative Projects



Hackathons or Innovation Days



FACULTY INVOLVED:

Mentor : Dr.M. Vinod kumar

Mr.K .Hari Krishna

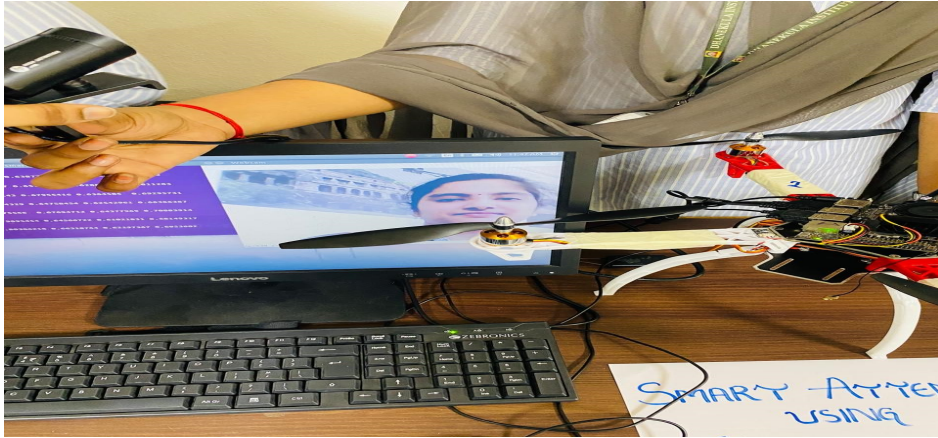
STUDENTS INVOLVED:

<i>STUDENT NAME</i>	<i>STUDENT Name</i>
Tanveer Mohammed Farhatullah	Krishna Abhishek
Ukkoti Harshit Sri Sai	Hima Harshitha
Hameeda Afreen	Keerthi Priya
O. Srivalli	Sania
M. Srivalli	D. koteswara rao
N. Venu Gopal	Satish
Manikanta	Y. Navya Sree
Deekshith	Mukesh Balaji
Lokesh	Krishna Kishore
Krishna	Harsha Vardhan
Bhavani	Mohini Sree
Yashwitha	Geethika
M. Vishnu Vardhan	Pravallika
T. Praveen Kumar	Vasanth
S. Durga Prasad	Bhuvan Royal
S. Appala Naidu	Reshma Tanveer
V. Nainisha	Naga Sai Trinaya Chaluvadi
M. Manideep Sai	G. Dhanesh
S. Varshini	Ch. Akash
T. Teja	Jameela
S. Maha Lakshmi	Tejaswi
N. Eshitha	Arunika
S. Jithendra	T. Linsika
D. Bharat Sai	G. Lokesh
G. Lakshmi Priyanka	M. Lohith Siddhath
G. Achyuth	R. Meghana
P. Naga Sai Mahitha	M. Purna Venkatesh

ACTIVITIES AND EVENTS

Monthly Meetings:

- ❖ Foster Collaboration
- ❖ Community Building
- ❖ ProjectPlanning
- ❖ FeedbackandImprovement



ACTIVITIES:

- ❖ *Competitions and Challenges*
- ❖ *Team-Building Activities*
- ❖ *Hackathons*
- ❖ *Feedback and Reflection Sessions*



Workshops and training sessions

- ❖ *Boot camp on Drone Basics. Masterclass on Software Training.*
- ❖ *Internship provided by DRONACHARYA TECH HUB*
- ❖ *Participation in STATE LEVEL AND NATIONALLEVEL HACKATHONS*



Nex Gen Club serves as an innovative hub for students to dive into the transformative world of artificial intelligence and advanced computing. Through engaging workshops, collaborative projects, and hands-on experiences, members not only sharpen their technical expertise but also develop essential skills in problem-solving and teamwork. The club's focus on real-world applications, such as machine learning and graphics programming, equips members with the knowledge and tools necessary for future careers in technology and research. As we continue to explore new frontiers and push the boundaries of what's possible, the NVIDIA Club is dedicated to fostering a community of passionate learners eager to drive technological advancement and tackle the challenges of tomorrow.