

AICTE- IDEA Lab: IDEA202000254

Check List for Events Organized in the Campus

(Faculty Development Program/ Seminar/ Workshop/ Symposium/ Conference/ STTP/
Training Program/Guest Lecture/Any other)

Name of the Department: AICTE - IDEA Lab (IDEA202000254)

Name of the Event: FDP on "Basic Drone Construction & Application"

Date of the Event: 02/07/26 to 04/07/26

S. No	Document	Please Mark ✓ as applicable	
		Yes	No
1	Proposal of the Event	✓	
2	Invitation Letter	✓	
3	Brochure	✓	
4	Registration Kit (ID Card, Course material, Stationary, etc)	✓	
5	Program Schedule	✓	
6	List of Participants	✓	
7	List of Resource Persons/Speakers/ Guests (along with Profiles)	✓	
8	Budget Report including Bills		
9	Event Report including Photographs, Print & Media Coverage	✓	
10	Feedback	✓	
11	Certificate	✓	
12	Sponsors Details		


Idea Lab Co-Coordinator
Dr. K. Bharath Kumar


Idea Lab Coordinator
Dr. D.T.V. Dharmajee Rao


Chief Mentor
Dr. A. Raji Reddy

CHIEF PATRON:

Sri C. Gopal Reddy (Chairman)

PATRONS:

Smt. C. Vasanthalatha (Secretary)

Sri C. Abhinav Reddy (CEO)

CHIEF MENTOR/CHAIRPERSON:

Dr. A. Raji Reddy, (Director)

COORDINATOR:

Dr. D.T.V. Dharmajee Rao

CO-COORDINATOR:

Dr. K. Bharath Kumar

TECH-GURUS:

Dr. D. Maneiah, Dean Student Affairs, ME

Mr. Gowtham. S, Asst. Professor, ME

Mrs. M. Sravanthi, Asst. Professor, ECE

Mr. D. Sreekanth, Asst. Professor, ECE

STUDENT AMBASSADORS:

Malla Paul Jason, Student, ECE

G. Venkata Sai Charan, Student, CSE

Balapanuru Anand, Student, CSE (AI&ML)

ADVISORY BOARD:

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Dr. G. Srikanth, Dean (IQAC)

Dr. Ashuthosh Saxena, Dean (Career Guidance)

Dr. N. Bhaskar, HOD (CSE)

Dr. K. Murali, HOD (CSE-DS)

Dr. S. Mallesh, HOD (ECE)

Dr. S Rao Chintalapudi, HOD (CSE-AI&ML)

Dr. V. Kesava Reddy, HOD (H&S)

Prof. K. Harish Reddy, HOD (MBA)

AICTE- IDEA Lab: IDEA202000254

Date: 01/07/2026

To
The Director
CMR Technical Campus
Kandlakoya, Medchal Road
Hyderabad – 501401

Subject: Request for Permission to Conduct a 3-Day Faculty Development Program (FDP) on "Basic Drone Construction and Applications" under AICTE IDEA Lab in Association with Flydronics Technologies.

Respected Sir,

I would like to bring to your kind notice that the AICTE IDEA Lab, CMR Technical Campus, is planning to organize a Three-Day Faculty Development Program (FDP) on "Basic Drone Construction and Applications" in collaboration with Flydronics Technologies Pvt. Ltd.

The proposed FDP aims to provide faculty members and students with fundamental knowledge and hands-on experience in drone technology, including drone design, construction, calibration, operation, and real-world applications. The program aligns with the objectives of the AICTE IDEA Lab initiative, which emphasizes experiential learning, innovation, prototyping, and industry-academia collaboration.

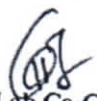
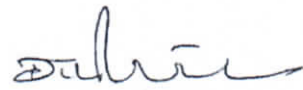
The program is proposed to be conducted for three days during 02/07/2026 to 04/07/2026 at the AICTE IDEA Lab, CMR Technical Campus. Resource persons and technical experts from Flydronics Technologies Pvt. Ltd. will deliver expert lectures and practical sessions. The FDP will significantly enhance the technical competencies of participants and promote innovation in emerging drone technologies. Therefore, I kindly request your approval and permission to organize the above FDP under the banner of AICTE IDEA Lab, CMR Technical Campus, in association with Flydronics Technologies Pvt. Ltd.

We assure you that all necessary arrangements will be made for the successful conduct of the program and that the event will contribute to strengthening industry-academia interaction within our institution.

I shall be grateful for your kind approval and support.

Thanking you.

Yours faithfully,


Idea Lab Co-Coordinator
(Dr. K. Bharath Kumar)
Idea Lab Coordinator
(Dr. D.T.V. Dharmajee Rao)

Permitted
01/07/26



CMR TECHNICAL CAMPUS
UGC AUTONOMOUS

Kandlakoya, Medchal Road, Hyderabad, Telangana – 501401.



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AICTE- IDEA Lab: IDEA202000254

Date: 01/07/2026

To

The Director

CMR Technical Campus

Kandlakoya, Medchal Road

Hyderabad – 501401

Subject: Invitation to Inaugurate the FDP on “Basic Drone Construction and Applications”

Respected Sir,

It gives us immense pleasure to invite you as the **Chief Guest** for the inauguration of the **3-Day Faculty Development Program (FDP) on “Basic Drone Construction and Applications”**, organized by **AICTE IDEA Lab, CMR Technical Campus**, in association with **Flydronics Technologies Pvt. Ltd.**, from **02nd July 2026 to 04th July 2026** at **AICTE IDEA Lab & CMR Spark Center, K-Block**.

Your esteemed presence and inspiring words will greatly motivate the participants and add value to the program. We kindly request you to grace the occasion and inaugurate the FDP.

With regards,

Idea Lab Coordinator

(Dr. D.T.V. Dharmajee Rao)

AICTE IDEA Lab (IDEA202000254)

CMR Technical Campus, Hyderabad.



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Kandlakoya, Medchal Road, Hyderabad, Telangana – 501401



AICTE
IDEALab

FLYDRONICS

AICTE- IDEA Lab: IDEA202000254

Basic Drone Construction and Applications

in association with

Flydronics Technologies Pvt. Ltd.

On

02/07/2026 to 04/07/2026

Venu: K-Block , Spark center

Idea Lab Co-Coordinator

Dr. K. BharathKumar

Idea Lab Coordinator

Dr. D.T.V. Dharmajee Rao

Chief Mentor

Dr. A. Raji Reddy

AICTE – IDEA Lab: IDEA202000254

In Association with

FLYDRONICS

Basic Drone Construction and Applications



Drone Fundamentals
Understand UAV
systems & components



**Hands-on
Construction**
Build and assemble
drones



**Flight & Control
Systems**
Learn flight controllers,
sensors & calibration



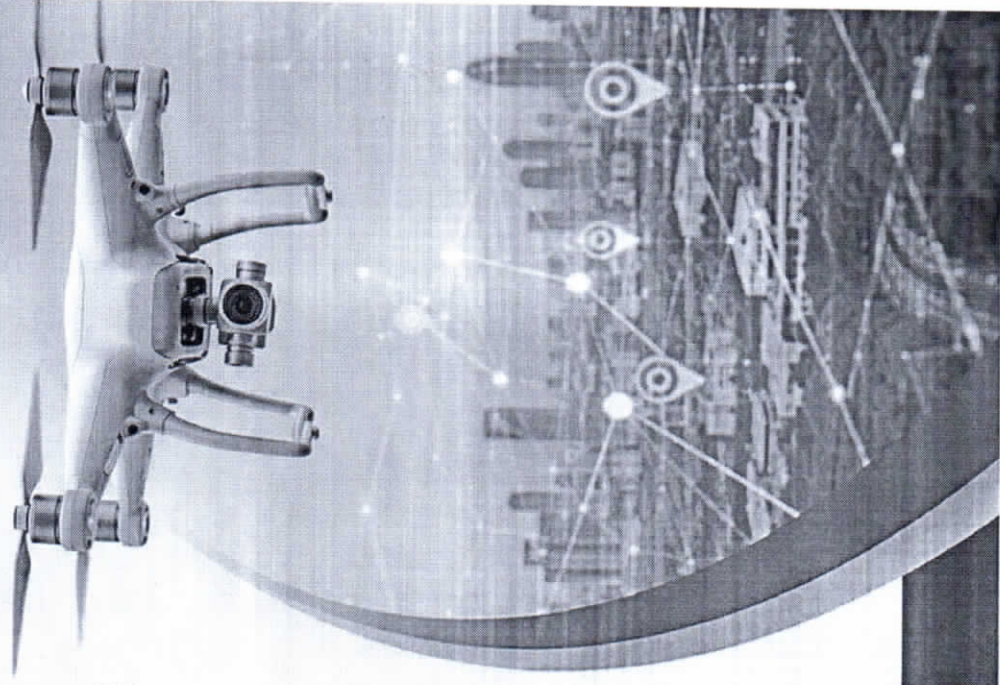
**Real-world
Applications**
Explore diverse
applications of drones



**02/07/2026 TO
04/07/2026**



**VENUE:
K-BLOCK
SPARK CENTER**



**Idea Lab
Co-Coordinator**

Dr. K. BharathKumar



**Idea Lab
Coordinator**

Dr. D.T.V. Dharmajee Rao



Chief Mentor

Dr. A. Raji Reddy



INNOVATE



BUILD



FLY



TRANSFORM

Registration Form

A3-Day Faculty Development Program (FDP) on "Basic Drone Construction and Applications" under AICTE IDEA Lab in Association with Flydronics Technologies on 02/07/2026 to 04/07/2026



CMR TECHNICAL CAMPUS

UGCAUTONOMOUS

Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401



FLYDRONICS
AICTE- IDEA Lab: IDEA202000254

1. Name of the participant

2. Department

Mark only one oval.

☐ ECE

☐ CSE

☐ CSE-DS

☐ CSD-AI&ML

☐ H&S

☐ Others

3. Designation

Mark only one oval.

☐ Professor

☐ Assoc. Professor

☐ Asst. Professor

☐ Others

4. Name of the College

5. phone number

6. E mail ID

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Prof. K. Harish Reddy, HOD (MBA)

AICTE- IDEA Lab: IDEA202000254

Date: 01/07/2026

3-Day Faculty Development Program (FDP) Basic Drone Construction and Applications

Organized by: AICTE IDEA Lab, CMR Technical Campus

In Association with: Flydronics Technologies Pvt. Ltd.

Venue: CMR Spark Center, K-Block, CMR Technical Campus

Dates: 02 July 2026 – 04 July 2026

Day 1: Fundamentals of Drone Technology 02 July 2026 (Thursday)

Time	Session
09:00 AM – 09:30 AM	Registration and Welcome Kit Distribution
09:30 AM – 10:15 AM	Inaugural Ceremony
10:15 AM – 10:30 AM	Tea Break
10:30 AM – 11:30 AM	Introduction to UAVs and Drone Technology
11:30 AM – 12:30 PM	Types of Drones and Their Applications
12:30 PM – 01:30 PM	Lunch Break
01:30 PM – 03:00 PM	Drone Components: Frame, Motors, ESCs, Propellers, Batteries
03:00 PM – 03:15 PM	Tea Break
03:15 PM – 05:00 PM	Hands-on Session: Identification and Assembly of Drone Components
05:00 PM – 05:15 PM	Q&A and Day Summary

Day 2: Drone Construction and Flight Control Systems 03 July 2026 (Friday)

Time	Session
09:30 AM – 10:30 AM	Flight Controllers and Drone Architecture
10:30 AM – 11:15 AM	Sensors, GPS, Telemetry and Communication Systems
11:15 AM – 11:30 AM	Tea Break
11:30 AM – 01:00 PM	Drone Wiring and Integration of Components
01:00 PM – 02:00 PM	Lunch Break
02:00 PM – 03:30 PM	Software Installation and Flight Controller Configuration
03:30 PM – 03:45 PM	Tea Break
03:45 PM – 05:00 PM	Hands-on Session: Drone Calibration and System Testing
05:00 PM – 05:15 PM	Discussion and Feedback

Day 3: Drone Operations and Applications 04 July 2026 (Saturday)

Time	Session
09:30 AM – 10:30 AM	Drone Regulations, Safety Procedures and DGCA Guidelines
10:30 AM – 11:30 AM	Emerging Trends in Drone Technology
11:30 AM – 11:45 AM	Tea Break
11:45 AM – 01:00 PM	Applications of Drones in Agriculture, Surveying, Surveillance
01:00 PM – 02:00 PM	Lunch Break
02:00 PM – 03:30 PM	Live Drone Demonstration and Flight Operations
03:30 PM – 03:45 PM	Tea Break
03:45 PM – 04:30 PM	Participant Interaction and Project Ideas Discussion
04:30 PM – 05:00 PM	Valedictory Function, Feedback Collection and Certificate Distribution

Expected Outcomes

- Understand the fundamentals of UAV and drone systems.
- Gain hands-on experience in drone assembly and calibration.
- Learn drone safety regulations and operational procedures.
- Explore industrial applications of drones.
- Develop skills for drone-based innovation and project development.

Idea Lab Co-Coordinator
(Dr. K. BharathKumar)

Idea Lab Coordinator
(Dr. D.T.V. Dharmajee Rao)

Registration Form of "Basic Drone Construction and Applications" on 02/07/2026 to 04/07/2026

S.No	Name of the participant	Department	Designation	Name of the College	phone number	E mail ID	Signature
1	B P Deepak Kumar	CSE	Asst. Professor	CMR TECHNICAL CAM	7702678965	deepakkumar.cse@cmrtc.ac.in	
2	VANGARI KIRAN KUMAR	CSE-AI&ML	Asst. Professor	CMR TECHNICAL CAM	9000898099	kirankumar.v.aiml@cmrtc.ac.in	
3	Nagarjuna Tanikonda	ECE	Asst. Professor	CMR Technical Campus	9177065431	nagarjuna.ece@cmrtc.ac.in	
4	Dilshad Shaikh	ECE	Asst. Professor	CMR Technical Campus	9052009998	skdilshad.ece@cmrtc.ac.in	
5	BHOOKYA RAMESH	CSE-DS	Asst. Professor	CMR TECHNICAL CAM	09502423870	rameshnayak567@gmail.com	
6	Viswanath	CSE-DS	Asst. Professor	CMR TECHNICAL CAM	7799312219	viswanath.ds@cmrtc.ac.in	
7	R.Hymavathi	CSE-DS	Asst. Professor	CMR TECHNICAL CAM	9100493354	ravulahyma@gmail.com	
8	ANGOTH LAKSHMAN	CSE-DS	Asst. Professor	CMR TECHNICAL CAM	9866555704	lakshman.angoth@gmail.com	
9	K SUDHA PAVANI	CSE-DS	Asst. Professor	CMRTC	7095098231	sudhapavani.ds@cmrtc.ac.in	
10	SWAROOPA RANI B	CSE-AI&ML	Asst. Professor	CMR TECHNICAL CAM	9985565707	roopa.kk15@gmail.com	
11	U Saritha	CSE-AI&ML	Asst. Professor	CMR Technical Campus	9390968269	saritha.aiml@cmrtc.ac.in	
12	Chhatre Shital Vitthalrao	CSE	Asst. Professor	CMR TECHNICAL CAM	9032747984	shital.cse@cmrtc.ac.in	
13	Vasavi	CSE	Asst. Professor	CMrtc	9493933109	vasavi.cse2013@gmail.com	
14	Yedlia satyam	CSE	Asst. Professor	CMR technical campus	9573412101	Satyam.cse@cmrtc.ac.in	
15	Matam sravanthi	ECE	Asst. Professor	CMR Technical Campus	9705878507	sravanthi.ece@cmrtc.ac.in	
16	Matam sravanthi	ECE	Asst. Professor	CMR Technical Campus	9705878507	sravanthi.ece@cmrtc.ac.in	
17	PANTHAM VISHNU	CSE-AI&ML	Asst. Professor	CMR TECHNICAL CAM	9493242931	vishnu.aiml@cmrtc.ac.in	
18	AZMEERA RAMESH	CSE-AI&ML	Asst. Professor	CMR TECHNICAL CAM	9010755991	ramesh.aiml@cmrtc.ac.in	
19	Dr. K. Patrakumar	H & S	Assoc. prof	"	9885599582	kprakashanbms1@gmail.com	
20							
21							

Idea Lab C6 Coordinator
Dr. K. BharathKumar

Idea Lab Coordinator
Dr. D.T.V. Dharmajee Rao

AICTE- IDEA Lab: IDEA202000254

"Basic Drone Construction and Applications" on 02/07/2026 to 04/07/2026

S.No	Name of the participant	Department	Designation	02-07-2026 FN	02-07-2026 AN	03-07-2026 FN	03-07-2026 AN	04-07-2026 FN	04-07-2026 AN
1	B P Deepak Kumar	CSE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
2	VANGARI KIRAN KUMAR	GSD-AI&ML	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
3	Nagarjuna Tanikonda	ECE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
4	Dilshad Shaik	ECE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
5	BHOOKYA RAMESH	CSE-DS	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
6	Viswanath	CSE-DS	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
7	R.Hymavathi	CSE-DS	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
8	ANGOTH LAKSHMAN	CSE-DS	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
9	K SUDHA PAVANI	CSE-DS	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
10	SWAROOPA RANI B	CSE-AI&ML	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
11	U Saritha	CSE-AI&ML	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
12	Chhatre Shital Vitthalrao	CSE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
13	Vasavi . M	CSE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
14	Yedilla satyam	CSE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
15	Matam sravanthi	ECE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
16	Matam sravanthi	ECE	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
17	PANTHAM VISHNU	CSE-AI&ML	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
18	AZMEERA RAMESH	CSD-AI&ML	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
19	Dr. K. Lakshman	Asst. Prof	Asst. Professor	Pr	Pr	Pr	Pr	Pr	Pr
20									
21									

Idea Lab Coordinator
Dr. K. BharathKumar

Idea Lab Coordinator
Dr. D.T.V. Dharmajee Rao



MEGHANA PAGADALA

R&D ASSOCIATE | UAV TECHNOLOGY

CONTACT

EMAIL

pagadalameghana100@gmail.com

PHONE

+91 95157 75679

LOCATION

Hyderabad, Telangana, India

TECHNICAL SKILLS

- Multirotor & Fixed-wing UAV Architecture
- Custom Payload Integration
- Flight Controllers & ESCs
- Propulsion Systems
- Flight Testing & Telemetry Analysis
- Power Electronics & Motor Drives
- Aviation Regulations & Compliance
- Academic Research Methodology

SOFTWARE & TOOLS

Mission Planner QGroundControl
Flight Simulation Tools HIL Simulation

STRENGTHS

- Large-Scale Technical Training
- Curriculum Development
- Research Mentorship & Publication Guidance

● PROFILE

Innovation-focused R&D Associate (UAV) with nearly two years of hands-on industry experience, coupled with an advanced academic foundation in Electrical and Electronics Engineering specializing in Power Electronics. A versatile expert who seamlessly bridges cutting-edge UAV research, prototyping, and end-to-end drone lifecycle operations with high-impact, large-scale mentorship. Proven track record of designing technical curricula and training thousands of individuals — including engineering students, corporate interns, NCC cadets, and academic faculty — in both drone technology and professional research methodology. Highly skilled in optimizing hardware performance, executing compliant flight testing, and translating complex R&D concepts into published academic success.

● WORK EXPERIENCE

R&D Associate (UAV)

Flydronics Solution

Jan 2025 — Present

- **R&D & Engineering Operations:** Spearhead end-to-end UAV engineering workflows, including prototyping, system configuration, component integration, and rigorous pre-flight diagnostic checks.
- **Flight Testing & Compliance:** Execute advanced flight testing protocols and telemetry data analysis while ensuring 100% adherence to national aviation regulations and safety standards.
- **Large-Scale Technical Training:** Author and deliver comprehensive drone technology curricula to thousands of stakeholders, including engineering students, corporate interns, NCC cadets, and academic faculty through Faculty Development Programs (FDPs).
- **Research Mentorship:** Empower thousands of aspiring researchers by guiding them through the end-to-end lifecycle of technical paper formulation, literature synthesis, and international publication strategies.

● CORE EXPERTISE

R&D: Conceptualizing, prototyping, and benchmarking next-generation UAV systems; integrating custom payloads and evaluating hardware-in-the-loop (HIL) simulations.

Technical Engineering: End-to-end multirotor/fixed-wing assembly, disassembly, system integration, component calibration, and pre-flight troubleshooting.

Drone Tech Education: Designed and led large-scale training bootcamps for diverse learners including college students, corporate interns, NCC cadets, and academic faculty.

● EDUCATION

Master of Technology (M.Tech) — Power Electronics & Electrical Drives

Lakireddy Bali Reddy College of Engineering

Graduated

Bachelor of Technology (B.Tech) — Electrical & Electronics Engineering

Lakireddy Bali Reddy College of Engineering

Graduated

Key Achievement: Engineered high-impact EEE projects focused on optimization of power distribution systems and advanced electrical drives.

Who We Are

In a world racing toward technological frontiers, a quiet crisis persists: the gap between what is taught and what industry demands grows wider by the season. Universities produce graduates rich in theory yet unversed in the disciplined craft of building real systems. Companies invest heavily in workforce retraining, only to find the results inconsistent and the capability short-lived. Research, abundant in volume, rarely finds its way into commercial form. It is within this chasm that **Flydronics Innovations Pvt. Ltd.** was forged — not as another training institute or EdTech platform, but as a deep-tech Industry–Academia–Research ecosystem designed to convert curiosity into capability and ideas into deployable engineering outcomes.

Flydronics stands at the intersection of education, research, and enterprise — a place where students evolve into industry-ready engineers, where faculty transform into research leaders, where startups find their wings, and where organizations discover the engineering execution they have been searching for. We are not a single-purpose provider. We are a multidisciplinary innovation organization that connects every stakeholder in the technology value chain through structured, outcome-driven programs and relentless engineering discipline.

Why Now: The Imperative

Technology adoption has accelerated beyond anyone's prediction, yet the machinery for producing engineers who can architect, document, test, deploy, and translate research into products has not kept pace. Organizations across artificial intelligence, embedded intelligence, autonomous systems, cloud infrastructure, and cybersecurity find themselves repeatedly spending on fragmented upskilling with no compounding institutional capability. Knowledge production remains disconnected from engineering execution. The cost is not merely financial — it is strategic. Every cycle of retraining without retention is a missed opportunity to build something enduring. Flydronics exists to end that cycle by serving as a single, accountable partner that builds capability and ships outcomes.

Our Core Identity

Flydronics is defined by three foundational pillars that distinguish it from every other player in the ecosystem. These are not marketing slogans — they are structural commitments embedded in every program, engagement, and partnership we undertake:

C O R P O R A T E P R O F I L E

Engineering Innovation. Empowering Talent. Transforming Industries.

Deep-Tech Industry–Academia–Research Organization

Corporate Portfolio — 2026

Vertical	Focus & Outcome
Government R&D	Proposal development and innovation program delivery for national research schemes
Hackathons & Bootcamps	Product-thinking-first innovation sprints combining bootcamp methodology with hackathon energy

Our Technology Spectrum

Our technology radar spans an extraordinary breadth — from the algorithmic depths of artificial intelligence and generative systems to the physical precision of embedded firmware and semiconductor design. We do not merely teach these domains in isolation; we weave them into integrated stacks where intelligent software meets reliable hardware, where cloud infrastructure meets edge computing, where autonomous systems meet safety-oriented testing. This multidisciplinary reach is not a luxury — it is a strategic necessity in a world where the most impactful innovations emerge at the boundaries between disciplines.

Domain	Capability Scope
AI / ML & Generative AI	Deep learning, NLP, computer vision, LLMs, agentic AI, and applied generative use cases across sectors
Cloud, DevOps & Cybersecurity	Cloud architecture, CI/CD pipelines, MLOps, platform engineering, and security-first deployment practices
IoT & Embedded Systems	Sensor integration, embedded firmware, edge computing, and lab-to-field validated hardware prototypes
Robotics & Drone Innovation	Autonomous systems, flight control, navigation, perception, mission planning, and safety-oriented testing
Semiconductor & VLSI	VLSI fundamentals, FPGA workflows, PCB design awareness, verification thinking, and hardware prototyping
Software & UI/UX Engineering	Full-stack development, cloud-native architecture, enterprise portals, dashboards, and accessibility-aware design

Leadership & Strategic Roadmap

Flydronics is led by founders whose complementary expertise forms the backbone of the organization. **M. Pavan Kumar Reddy**, Co-Founder and Director of Research & Innovation, channels his deep expertise in AI, applied research, product engineering, and

Pillar	Definition
Core Identity	Deep-Tech Industry–Academia–Research ecosystem — not a single-purpose training provider, but a convergence platform where learning, research, and engineering unite.
Strategic Role	Transforms learning and research into deployable engineering capability and market-ready products, bridging the valley of death between academic knowledge and industrial execution.
Commercial Model	A diversified platform spanning training, consulting, R&D support, product engineering, and startup incubation — each stream reinforcing the others.

What We Do

Flydronics operates through ten interlocking business verticals — each functioning as an accountable unit with its own customers, delivery model, and success metrics, yet all sharing one engineering talent pool and one unwavering delivery standard. Together, they form a scalable innovation platform where every vertical compounds the capability of the others, creating an ecosystem whose whole is far greater than the sum of its parts.

Vertical	Focus & Outcome
Student Upskilling	Industry-ready engineering and career readiness through structured, cohort-based programs
Academic Projects	Disciplined lifecycle from problem definition through deployment for RTP, mini, and major projects
Research Excellence	Publication, patent, and proposal capability building — not merely manuscript preparation
Faculty Development	FDP, STTP, and SDP programs that transform curriculum relevance and research capability
Corporate Training	Enterprise upskilling tied to measurable business KPIs, delivered by practicing engineers
Industry Consulting	Technology, architecture, and automation advisory grounded in engineering execution
Product Engineering	Concept-to-deployment solutions across software, embedded systems, IoT, and AI
Startup Incubation	Problem validation, MVP planning, and investor readiness — professionally developed, never promised

drone technologies into converting technical curiosity into structured research and validated prototypes. **Kompelly Srivatsav**, Co-Founder and Director of Partnerships & Aerospace, brings strategic vision to aerospace innovation, defence-aligned collaboration, and business development — connecting Flydronics’ technical capability with industry, institutions, and government-aligned opportunities. Together, they are supported by lead trainers spanning hardware, IoT, embedded systems, AI, software engineering, VLSI, and industrial automation.

The Road Ahead: 2026–2030

Flydronics is charting a phased ascent toward national deep-tech leadership — each phase building upon the credibility and systems established in the one before. In 2026, the focus is on strengthening core programs, establishing verified KPI systems, and securing university MoUs. By 2027, the organization will scale academic partnerships, expand corporate training, and deepen research programs. 2028 marks the development of centers of excellence in AI, drones, IoT, and VLSI — physical embodiments of accumulated capability. By 2030, Flydronics envisions a national presence with international collaborations and impact at scale, transforming from a promising startup into an institution that shapes how India builds technology talent and translates research into reality.

Phase	Strategic Milestone
2026	Strengthen core programs, verified KPI systems, university MoUs
2027	Scale academic partnerships, corporate training, and research programs
2028	Develop centers of excellence in AI, drones, IoT, and VLSI
2030	Build national presence, international collaborations, and scaled impact

Build With Us

Flydronics invites universities seeking transformation, industries pursuing engineering excellence, government agencies aligning with national innovation priorities, researchers translating vision into validation, and startups ready to evolve from raw ideas into investor-ready ventures. We do not offer shortcuts or promises unbacked by evidence. What we offer is a structured, disciplined, and proven pathway from where you are to where the future demands you be. Every collaboration is measured by outcomes, every program is anchored in execution, and every partnership is built to compound capability over time.

EVENT REPORT ON

3-Day FDP on “BASIC DRONE CONSTRUCTION AND APPLICATIONS”

Date of the event Held: 02nd to 04th July 2026

Organizer: AICTE IDEA Lab, CMR Technical Campus, Kandlakoya, Hyderabad.

Venue/Place: CMR Spark Block, CMR Technical Campus, Kandlakoya, Hyderabad

Number of students Participants (students and Staff): 16

Description about the Event: The Faculty Development Program (FDP) on “Basic Drone Construction and Applications” is a meticulously designed three-day intensive training program organized by AICTE IDEA Lab, CMR Technical Campus, in collaboration with Flydronics Technologies Pvt. Ltd. This program aims to provide participants with comprehensive exposure to the rapidly evolving field of Unmanned Aerial Vehicles (UAVs) and drone technologies. Through expert lectures, hands-on construction sessions, live demonstrations, and industry-oriented discussions, participants will acquire practical knowledge of drone design, assembly, calibration, operation, and real-world applications. The FDP fosters innovation, experiential learning, and industry-academia collaboration, empowering participants to explore emerging opportunities in advanced drone technology and its multidisciplinary applications.

Outcome of the event: Participants acquired practical skills in drone construction and operation while gaining valuable insights into the diverse applications of UAV technology.

Photo 1: organizers gathered session to commemorate the occasion	Photo2: participants are involved in hand on session
	
Photo 3: Event Proof photos	Photo 4: Event Proof photos in NEWS paper
	

Idea Lab Co-Coordinator
Dr. K. BharathKumar

Idea Lab Coordinator
Dr. D.T.V. Dharmajee Rao

నమస్తే తెలంగాణ

ఉన్నత విద్యకు సాంకేతికతను జోడించాలి

మేడ్చల్, జూలై 3 : ఉన్నత విద్యకు ఆధునిక సాంకేతికతను జోడించాలని సీఎంఆర్ చైర్మన్ చామకూర గోపాల్ రెడ్డి అన్నారు. గుండ్లపోచంపల్లి డివిజన్ కండ్లకోయలోని సీఎంఆర్ టెక్నికల్ క్యాంపస్ లో శుక్రవారం ఏఐసీ టీఈ ఐడియా ల్యాబ్, ఫ్లైడ్రోనిక్స్ ఆధ్వర్యంలో మూడ్రోజుల అధ్యాపకుల అభివృద్ధి కార్యక్రమాన్ని ప్రారంభించారు. ఈ సందర్భంగా గోపాల్ రెడ్డి మాట్లాడుతూ.. ఇంజనీరింగ్ విద్యార్థులు భవిష్యత్ లో రాణించాలంటే చదువుతోపాటు మార్పులను గమనించి ఆధునిక పరిజ్ఞానంపై దృష్టి సారించాలన్నారు. అధ్యాపకులు విద్యార్థులు ఈ దిశగా ప్రోత్సహించాలన్నారు.



డ్రోన్ శిక్షణా కార్యక్రమాన్ని పరిశీలిస్తున్న సీఎంఆర్ చైర్మన్ చామకూర గోపాల్ రెడ్డి

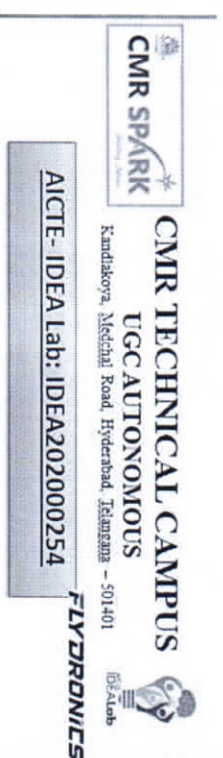
అధ్యాపకులు తమ పరిజ్ఞానాన్ని పెంపొందించుకొని, విద్యార్థులకు వివరించాలని ఆయన సూచించారు. ఈ సందర్భంగా అధ్యాపకులకు డ్రోన్ సాంకేతికతపై శిక్షణ ఇచ్చారు. కార్యక్రమంలో డైరెక్టర్ రాజిరెడ్డి, హెచ్ఎం డీలు, అధ్యాపకులు పాల్గొన్నారు.

Feedback Form

A3-Day Faculty Development Program (FDP) on "Basic Drone Construction and Applications" under AICTE IDEA Lab in Association with Flydronics Technologies on 02/07/2026 to 04/07/2026

Please rate the following on a scale of 1 to 5

(1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent)



1. Name

2. Department

3. Designation

4. E-mail ID

5. Contact number

6. 1. How would you rate the overall quality and usefulness of the FDP on Basic Drone Construction and Applications?

Mark only one oval.

1 2 3 4 5

☐ ☐ ☐ ☐ ☐

7. 2. How effective were the resource persons in delivering the technical concepts and practical demonstrations?

Mark only one oval.

1 2 3 4 5

☐ ☐ ☐ ☐ ☐

8. 3. How satisfied are you with the hands-on sessions on drone assembly, calibration, and operation?

Mark only one oval.

1 2 3 4 5

☐ ☐ ☐ ☐ ☐

9. 4. To what extent did the FDP enhance your knowledge of drone technologies and their real-world applications?

Mark only one oval.

1 2 3 4

☐ ☐ ☐ ☐

10. Would you recommend similar FDPs/workshops on emerging technologies to your colleagues and peers?

Mark only one oval.

1 2 3 4 5

☐ ☐ ☐ ☐ ☐

11. Suggestions/Comments (Optional):

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Google Forms

Feedback Form

13 responses

Publish analytics

Name

13 responses

B .RAMESH

Chhatre Shital Vitthalrao

Dr.K. RATNA KUMARI

SWAROOPA RANI B

Dilshad Shaik

PANTHAM VISHNU

Viswanath

B P Deepak Kumar

U Saritha

Matam sravanthi

Yedlia satyam

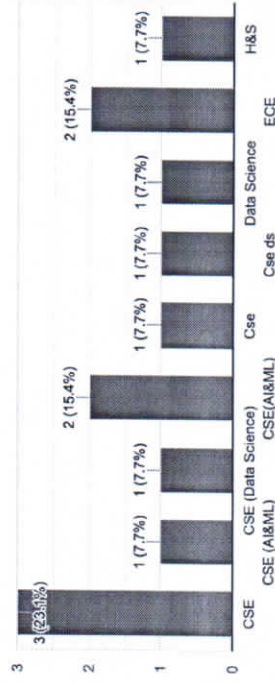
R Hymavathi

M Vasavi

Department

13 responses

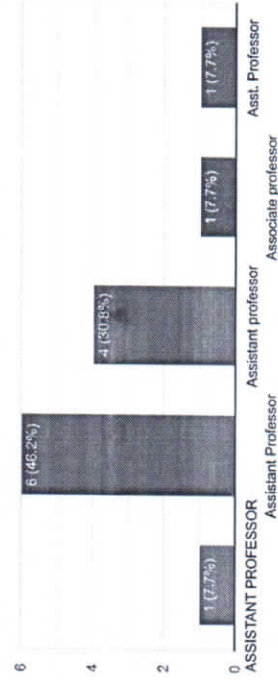
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Designation

13 responses

Copy chart



7/4/26, 10:09 AM

Feedback Form

E-mail ID

13 responses

2183

shital.cse@cmrtc.ac.in

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https://docs.google.com/forms/d/1g0mDPbFVSOaqE0abMq5nptw_zQBRIS8NqMJMPWnM/viewanalytics

3/8

7/4/26, 10:09 AM

Feedback Form

Contact number

13 responses

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9032747984

9885599552

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4/8

1. How would you rate the overall quality and usefulness of the FDP on Basic Drone Construction and Applications?

12 responses



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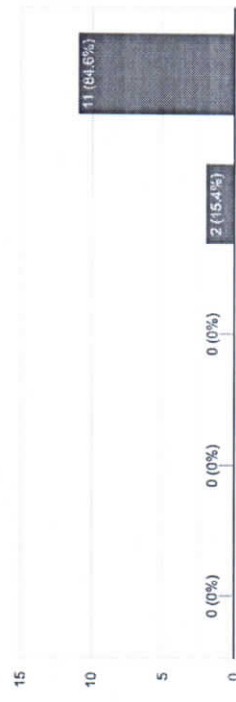


2. How effective were the resource persons in delivering the technical concepts and practical demonstrations?

13 responses



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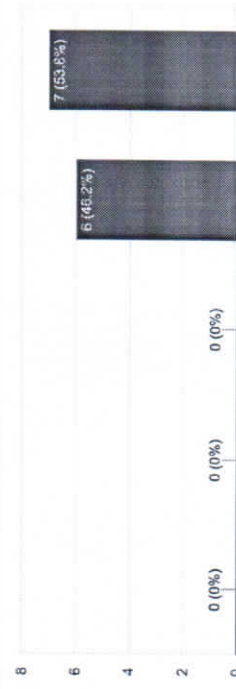


3. How satisfied are you with the hands-on sessions on drone assembly, calibration, and operation?

13 responses



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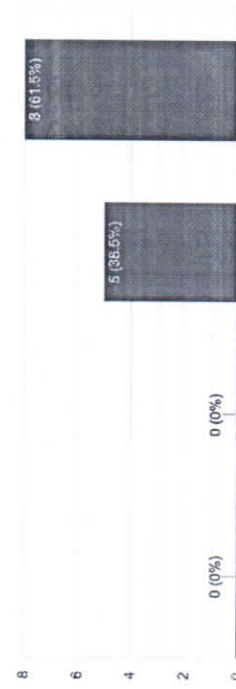


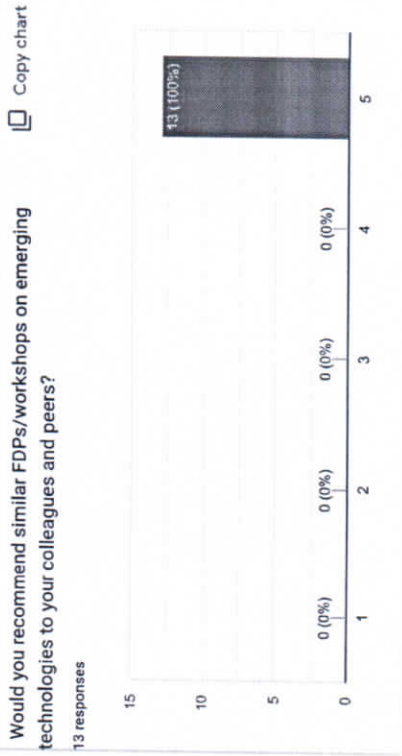
4. To what extent did the FDP enhance your knowledge of drone technologies and their real-world applications?

13 responses



Copy chart





Suggestions/Comments (Optional):

4 responses

No Thanks

Expecting more FDP to be Conducted

To required more drone related equipments

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Certificate of Participation

This is to certify : that Mr./Ms./Mrs. Dilshad Shaik from CMRTC has participated in a Three-Day Faculty Development Program (Training) on "Basic Drone Construction and Applications" Organized by CMR Technical Campus, Hyderabad in Collaboration with FLYDRONICS, Hyderabad as a part of AICTE IDEA LAB (IDEA202000254) during 02nd to 04th July, 2026.




Srivatsav Kompelly
CEO, Flydronics