



ESTD : 2009

अभियान्त्रिकीज्ञानम् जनकल्याणम्

GOVERNMENT ENGINEERING COLLEGE, PALANPUR

Excellence in Education | Innovation for Nation

WORKSHOP ON

DRONE TECHNOLOGY, APPLICATIONS AND CAREER OPPORTUNITIES



For 5th & 7th Semester
Mechanical & Electrical Engineering Students

WORKSHOP HIGHLIGHTS



Introduction to
Drone Technology



Drone Design, Manufacturing
and Components



Industrial Applications
of Drones



DGCA Guidelines
and Regulations



Live Demonstration
and Hands-on Exposure



Career & Entrepreneurship
Opportunities in Drone Sector

WORKSHOP DETAILS



DATE: 18 -08-2026



TIME: 11:00 A.M. Onwards



VENUE: Mechanical Seminar Hall,
GEC Palanpur



PARTICIPANTS: 5th & 7th Semester
Mechanical & Electrical
Engineering Students



ORGANIZING
DEPARTMENT: Department of
Mechanical Engineering

BENEFITS TO PARTICIPANTS

- ✓ Industry-oriented knowledge
- ✓ Practical understanding of drone technology
- ✓ Awareness of DGCA guidelines
- ✓ Insight into emerging career opportunities
- ✓ Encourages innovation and entrepreneurship



EMPOWERING MINDS | ELEVATING FUTURES

The workshop will enhance students' technical knowledge, practical understanding, and awareness of emerging career opportunities in the field of drone technology.



CHIEF PATRON
Dr. K. B. Judal
Principal
GEC Palanpur



PATRON
Dr. D. M. Patel
Head,
Mechanical Engineering Department
GEC Palanpur



COORDINATORS
Dr. K. S. Banker
Assistant Professor
Department of
Mechanical Engineering

Dr. A. K. Patel
Assistant Professor
Department of
Mechanical Engineering



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WORKSHOP ON

DRONE TECHNOLOGY, APPLICATIONS AND CAREER OPPORTUNITIES



For 5th & 7th Semester
Mechanical & Electrical Engineering Students



EXPERT PROFILES



AREAS OF EXPERTISE

- Drone Technology & Design
- Drone Manufacturing & Components
- Industrial Applications of Drones
- DGCA Guidelines & Compliance
- Quality Management Systems (QMS)
- Pilot Training & Live Demonstrations
- Career & Entrepreneurship Opportunities

Dr. Mit Patel

Quality Manager &
DGCA Certified Drone Master Instructor



Doctor Drone Industries Private Limited

Dr. Mit Patel is a Quality Manager and DGCA Certified Drone Master Instructor at Doctor Drone Industries Private Limited, with over 5 years of professional experience in the drone industry. He has extensive expertise in drone technology, pilot training, quality management systems, regulatory compliance, and industrial applications of unmanned aerial vehicles (UAVs).

He holds a Bachelor of Engineering (B.E.) in Mechanical Engineering from Gujarat Technological University, a Master of Technology (M.Tech.) in Thermal Engineering from Nirma University, and a Ph.D. in Mechanical Engineering with specialization in Solar Thermal Systems.

Throughout his career, Dr. Patel has been actively involved in delivering DGCA-compliant drone pilot training, implementing quality assurance processes, supporting drone operations across various sectors, and promoting the adoption of drone technology in industry and academia. He regularly conducts technical workshops, faculty development programmes, expert lectures, and hands-on training sessions for engineering students, faculty members, and industry professionals.



B.E. Mechanical Engineering
Gujarat Technological University



M.Tech. Thermal Engineering
Nirma University



Ph.D. Mechanical Engineering
(Solar Thermal Systems)



DGCA Certified
Drone Master Instructor



Experience:
5+ Years in Drone Industry



AREAS OF EXPERTISE

- Drone Technology & Innovations
- UAV Operations & Management
- Agri-Drone Applications
- Drone Manufacturing & Systems
- Regulatory Compliance & Safety Standards
- Training, Capacity Building & Workforce Development
- Industry Consulting & Technical Publications

Mr. Shyam Sharma

Accountable Manager &
DGCA Certified Remote Pilot



Doctor Drone Industries Private Limited

Shyam Sharma is an Accountable Manager at Doctor Drone Industries Pvt. Ltd., with over five years of experience in drone technology, UAV operations, and the drone industry. He leads a DGCA-approved Remote Pilot Training Organization (RPTO), overseeing remote pilot training, regulatory compliance, operational management, and safety standards.

He has played a key role in establishing drone manufacturing and pilot training facilities, contributing to the development of robust operational systems and industry best practices. His expertise includes drone manufacturing, UAV operations, agri-drone applications, regulatory compliance, and workforce development.

Shyam is the author of two books on drone technology and has also published technical articles, reflecting his commitment to advancing knowledge and best practices within the UAV industry. He is a DGCA-certified Remote Pilot with extensive experience in industry-oriented training, technical consulting, and implementing drone solutions across multiple sectors. As a frequent speaker at technical forums, he actively promotes safe UAV operations and drives innovation across the drone ecosystem.



Leads DGCA Approved
Remote Pilot Training
Organization (RPTO)



Expertise in Drone
Manufacturing, UAV
Operations & Agri-Drone
Applications



Author of
2 Books on
Drone Technology



Published Technical
Articles on UAV
& Drone Industry



Experience:
5+ Years in
Drone Industry



Innovate Today,
FLY TOMORROW!
Exploring Possibilities. Building Careers.



EMPOWERING MINDS | ELEVATING FUTURES