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करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

किसान ड्रोन ऑपरेटर

A Kisan Drone Operator flies drones to spray fertilisers and pesticides, monitor crops and survey soil. It is a fast-growing career that makes farming precise and low-cost.



Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/kisan-drone-operator

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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सुशील कुमार शर्मा

प्रधानाचार्य, रा.उ.मा.वि. जेठन्तरी • मास्टर ट्रेनर
Principal, GSSS Jethantri • Master Trainer



श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
Sr. Lecturer, DIET Barmer (Support)



भरत चौधरी

अभिकल्पना व विकास • व्याख्याता (इतिहास)
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सुरेश कुमार सैन

व्याख्याता (भूगोल) • रा.उ.मा.वि. रामसीन मूंगड़ा



वनिता कुमारी

व्याख्याता (इतिहास) • रा.उ.मा.वि. रामसीन मूंगड़ा



कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) • रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। • An independent project based on the Government's official career-guidance content.

1 About this career

A Kisan Drone Operator flies drones to spray fertilisers and pesticides, monitor crops and survey soil. It is a fast-growing career that makes farming precise and low-cost.

2 At a glance

Minimum qualification	12th + DGCA drone certificate
Training	7 days to a few weeks
Avg salary	₹2.5–6 LPA
Work mode	Field job + self-employment

3 What you need

INTERESTS

- Working with hands and machines
- Farming and rural development
- Interest in new technology and gadgets

ABILITIES

- Operating machines, tools and software
- Care and following safety rules
- Sense of shape and space

KEY SKILLS

- Drone piloting and control
- Calibrating correct spray dosage
- Knowledge of DGCA rules
- Communicating with farmers
- GPS and remote sensing
- Battery and drone maintenance
- Basic troubleshooting

4 How to get there

- 1 Pass Class 12, preferably with agriculture or science
- 2 Build basics of UAVs, GPS and remote sensing
- 3 Get a Remote Pilot Certificate (RPC) from a DGCA-authorized RPTO
- 4 A degree or diploma in agriculture or engineering helps (not mandatory)
- 5 Use subsidy and training under the Namo Drone Didi / Kisan Drone scheme
- 6 Check course duration and accreditation before enrolling

MAIN EXAMS

- Admission to a DGCA-approved RPTO (no common entrance mandatory)
- JET / CUET for a degree route (optional)

5 Where to study

GOVERNMENT INSTITUTES

- महाराणा प्रताप कृषि एवं प्रौद्योगिकी विश्वविद्यालय (MPUAT) — Udaipur
- श्री कर्ण नरेंद्र कृषि विश्वविद्यालय (SKNAU) — Jobner, Jaipur
- स्वामी केशवानंद राजस्थान कृषि विश्वविद्यालय (SKRAU) — Bikaner
- कृषि विश्वविद्यालय — Kota
- कृषि विश्वविद्यालय — Jodhpur

PRIVATE INSTITUTES

- इंडियन इंस्टीट्यूट ऑफ़ ड्रोन (DGCA-अधिकृत RPTO) — India
- इंटरनेशनल हॉर्टिकल्चर इनोवेशन एंड ट्रेनिंग सेंटर — Jaipur

ONLINE

- स्किल इंडिया (Skill India) — Online (<https://www.skillindiadigital.gov.in>)
- स्वयम (SWAYAM) — Online (<https://swayam.gov.in>)

FEES

Drone pilot course fees range from about ₹3,000 to ₹70,000; DGCA RPC training is usually ₹50,000–₹65,000. Subsidy is available under schemes. Figures are indicative.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- Buddy4Study (<https://www.buddy4study.com>)
- SJE Rajasthan Scholarships (<https://sje.rajasthan.gov.in/>)
- Vidya Lakshmi (Education Loan) (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

Farms, agricultural research institutes, agri-tech companies and one's own drone-spraying service.

WORK CULTURE

Mainly a field job; about 6 days a week, 8–9 hours a day with local travel. Workload peaks during crop seasons.

WHO HIRES

- IFFCO and farm cooperatives
- Agriculture universities and Krishi Vigyan Kendras (KVKs)
- State agriculture departments
- Agri-tech & drone firms (Garuda Aerospace, IoTechWorld)
- FPOs and farmer producer organisations
- Self-employment / drone-service enterprise

DEMAND (2026)

Demand for trained drone operators is rising fast due to the Kisan Drone and Nam0 Drone Didi schemes, subsidies and the growing need for precision farming.

7 Career growth

- 1 Senior Drone Operator
- 2 Drone Manager
- 3 Drone Technical Specialist
- 4 Research Scientist
- 5 Crop Management Specialist

EARNINGS

Starting	₹2.5–3.5 लाख/वर्ष
Mid level	₹4–6 लाख/वर्ष
Senior level	₹8–12 लाख/वर्ष

An own drone-service can earn more in season; figures are indicative.

8 The good parts · The challenges

The good parts

- Modern, respectable self-employment with low investment
- Backed by government subsidy and schemes
- Helps farmers by cutting input costs

The challenges

- Income depends on weather and crop season
- High upfront cost of drone and batteries
- Field work in heat, sun and around chemicals

9 Real-life journeys

Ashish Beniwal

Drone entrepreneur, Hanumangarh (Rajasthan)

Ashish, a 24-year-old engineering graduate from Naiwala village in Hanumangarh, got a drone pilot licence and began spraying his own fields, cutting fertiliser and pesticide use by 40–50%. He now sprays about 5,000 bigha across Hanumangarh, Sriganganagar and nearby areas, serving ~1,000 farmers at ₹200–250 per bigha.

101Reporters / India Times · https://101reporters.com/article/business/Change_in_the_air_as_drones_aid_smart_farming_selfemployment_in_Rajasthan

Neetu Rai

Namo Drone Didi, Varanasi

Neetu Rai, a homemaker from Varanasi, learned to fly drones under the Namu Drone Didi scheme and became self-reliant by offering spraying services. She is now a role model for rural women.

ETV Bharat · <https://www.etvbharat.com/en/offbeat/drone-didi-of-varanasi-how-a-homemaker-neetu-rai-took-to-tech-and-became-a-role-model-for-rural-women-enn25102702504>

10 If this route does not work out

One exam or one attempt does not close the door. The same subjects also open these routes — entry is usually easier, and you can return to this field later.

- Agriculture Field Officer
- Greenhouse Technician
- Solar Pump Technician

11 Sources & further reading

1. DGCA Digital Sky Portal — <https://digitalsky.dgca.gov.in/>
2. Kisan Drone / Ministry of Agriculture — <https://agriwelfare.gov.in/>
3. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/>



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