



SAARTHI • सारथी

करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

ब्रॉडकास्ट टेक्नोलॉजी

Broadcast engineers run and maintain the technology behind TV, radio and OTT transmission — cameras, audio, transmitters, satellite and streaming systems — so programmes reach audiences without interruption.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/eng-4696

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri • ब्लॉक समदड़ी • बालोतरा (Block Samdari • Balotra)

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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)
Designed & developed • Lecturer (History)

विशेष धन्यवाद • SPECIAL THANKS



सुरेन्द्र सिंह राठौड़

व्याख्याता (इतिहास) • रा.उ.मा.वि. कानाना



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

Broadcast engineers run and maintain the technology behind TV, radio and OTT transmission — cameras, audio, transmitters, satellite and streaming systems — so programmes reach audiences without interruption.

2 At a glance

Minimum qualification	Diploma or B.Tech in electronics/telecom/IT
Work mode	Studio/OB van work; flexible hours as per events
Demand	Steady-rising — from OTT, sports broadcast and regional channels
Top earning	Senior engineering managers ₹1,50,000+ per month

3 What you need

INTERESTS

- Interest in the technology of TV, radio and live events
- Good sense of music/sound
- Love for gadgets and equipment

ABILITIES

- Sharp listening and monitoring ability
- Quickly spotting and fixing technical faults
- Time management and quick response

KEY SKILLS

- Audio-video signals and mixing equipment
- IP streaming and digital broadcast systems
- Equipment maintenance and troubleshooting
- Transmitters, satellite uplink and RF technology
- Live production and OB operations
- Team coordination and working under pressure

4 How to get there

- 1 Pass Class 12 Science with Physics and Maths
- 2 Do a diploma or B.Tech in electronics/electrical/telecom/IT
- 3 Enter via JEE Main or REAP; polytechnic route possible after Class 10
- 4 Optionally do a PG diploma in broadcast technology (JMI etc.)
- 5 Intern with a TV/radio studio or OB team
- 6 Apply to engineering recruitments of Prasar Bharati/private channels

MAIN EXAMS

- JEE Main (B.Tech admission)
- JMI entrance test (PG diploma)
- Prasar Bharati engineering assistant recruitment exam
- REAP — Rajasthan engineering admission
- GATE (M.Tech and PSU recruitment)

5 Where to study

GOVERNMENT INSTITUTES

- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- MBM University — Jodhpur, Rajasthan (<https://www.mbm.ac.in>)
- College of Technology and Engineering (CTAE) — Udaipur, Rajasthan (<https://www.ctae.ac.in>)
- Rajasthan Technical University — Kota, Rajasthan (<https://www.rtu.ac.in>)
- University College of Engineering & Technology — Bikaner, Rajasthan

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan (<https://www.bits-pilani.ac.in>)
- Zee Institute of Media Arts — Mumbai, Maharashtra
- AJK Mass Communication Research Centre (JMI) — New Delhi

ONLINE

- SWAYAM/NPTEL (इलेक्ट्रॉनिक्स व संचार कोर्स) — Online (<https://swayam.gov.in>)

FEES

Government polytechnic/college fees are about ₹20,000-1,00,000 per year; private institutes and specialised media courses charge up to ₹1-4.5 lakh.

SCHOLARSHIPS

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

6 What the work is like

WHERE YOU WORK

TV/radio studios, OB vans, transmission centres, recording studios, sports and entertainment venues.

WORK CULTURE

Flexible, sometimes late-night hours based on events; high pressure during live broadcasts. Opportunities exist for persons with disabilities too.

WHO HIRES

- Prasar Bharati (Doordarshan and All India Radio)
- Private news and entertainment channels (Zee, Star etc.)
- OTT/streaming companies
- Sports broadcast and OB service companies
- FM radio stations
- BECIL and broadcast equipment companies

DEMAND (2026)

Demand for skilled broadcast technicians is rising steadily with OTT streaming, live sports events and expansion of regional channels.

7 Career growth

- 1 Technician/system engineer
- 2 Broadcast engineer
- 3 Project engineer/shift in-charge
- 4 Engineering manager

5 Production/technical director

EARNINGS

Starting	₹20,000-35,000
Mid level	₹45,000-85,000
Senior level	₹1,00,000-1,80,000

Monthly estimates (2026); depend on channel, city and specialisation. Live sports/OB specialists earn more.

8 The good parts · The challenges

The good parts

- Work in the exciting world of media and entertainment
- Entry possible even with a diploma — multiple routes
- Continuous learning from live events and new technology

The challenges

- Irregular and late-night working hours
- No room for error during live broadcasts
- Pressure of back-to-back events in busy seasons

9 Real-life journeys

Resul Pookutty

Sound engineer and Oscar winner (broadcast/recording technology)

Resul Pookutty, who grew up in a small Kerala village without electricity, mastered sound technology and won the 2009 Oscar for Slumdog Millionaire. His journey shows how far hard work in audio-broadcast technology can take you.

Scroll.in · <https://scroll.in/reel/888841/resul-pookuttys-amazing-journey-sound-designers-have-gone-from-being-anonymous-to-having-fans>

Sajida Khan

India's first woman audio engineer

Hyderabad's Sajida Khan, daughter of an RPF inspector, broke into male-dominated audio engineering and has worked on over 60 films and recordings. In 2018 the President of India honoured her with the First Ladies award.

Awaz The Voice · <https://www.awazthevoice.in/-news/sajida-khan-the-country-s-first-audio-engineer-63170.html>

10 Sources & further reading

1. Rajasthan Career Guidance Portal — Broadcast Technology — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%ac%e0%a5%8d%e0%a4%b0%e0%a5%89%e0%a4%a1%e0%a4%95%e0%a4%be%e0%a4%b8%e0%a5%8d%e0%a4%9f-%e0%a4%9f%e0%a5%87%e0%a4%95%e0%a5%8d%e0%a4%a8%e0%a5%8b%e0%a4%b2%e0%a5%89%e0%a4%9c%e0%a5%80-broadcast-technol/>
2. Prasar Bharati — <https://prasarbharati.gov.in>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. SWAYAM portal (online courses) — <https://swayam.gov.in>



And 770+ more careers — the whole portal

Interest and aptitude tests, government jobs, skill courses and a CV builder — free, no login, and it works offline.

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