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करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

इंटरनेट ऑफ थिंग्स सॉल्यूशंस आर्किटेक्ट

An IoT (Internet of Things) Solutions Architect designs the strategy and oversees deployment of solutions that connect sensors, machines and devices to the internet. It is a senior, experience-based role, and in 2026 demand is...



Scan for everything on this career

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

career.gsssjethantri.in/#/career/iot-solutions-architect

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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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

An IoT (Internet of Things) Solutions Architect designs the strategy and oversees deployment of solutions that connect sensors, machines and devices to the internet. It is a senior, experience-based role, and in 2026 demand is rising fast due to smart cities, smart agriculture and Industry 4.0.

2 At a glance

Minimum qualification	10+2 Science (PCM) + CS/ECE/IoT degree
Duration	4-yr B.Tech (+ experience/master's)
Starting salary	₹40,000–70,000/month (as IoT engineer)
Work Field	IT services, telecom, industrial IoT, manufacturing

3 What you need

INTERESTS

- Interest in computers and new tech
- Curiosity about connected devices and sensors
- Enjoy analysing problems and systems

ABILITIES

- Analytical thinking
- Attention to detail
- Skilled communication and team coordination

KEY SKILLS

- IoT architecture and protocols (MQTT)
- Cloud IoT platforms (AWS/Azure IoT)
- Programming (Python/C)
- Sensors and embedded systems
- Networking and cybersecurity
- Data analytics
- Solution design and documentation

4 How to get there

- 1 Complete 10+2 in Science (PCM)
- 2 Do a B.Tech/B.E. or BSc in CS/ECE/IoT
- 3 Learn embedded systems and cloud IoT platforms
- 4 Gain experience as an IoT developer/engineer
- 5 Take a master's or advanced certification
- 6 Advance into the Solutions Architect role

MAIN EXAMS

- JEE Main / JEE Advanced (for B.Tech)
- REAP – Rajasthan Engineering Admission
- GATE (for M.Tech)

5 Where to study

GOVERNMENT INSTITUTES

- IIT Jodhpur — Jodhpur, Rajasthan
- MNIT Jaipur — Jaipur, Rajasthan
- MBM University — Jodhpur, Rajasthan
- Rajasthan Technical University — Kota, Rajasthan

PRIVATE INSTITUTES

- Manipal University Jaipur — Jaipur, Rajasthan
- VIT Vellore — Vellore
- Chandigarh University — Chandigarh

ONLINE

- NPTEL SWAYAM – Internet of Things — Online (Govt of India)
(https://onlinecourses.nptel.ac.in/noc22_cs53/preview)
- Udemy – IoT with Raspberry Pi & Azure — Online (<https://www.udemy.com/course/internet-of-things-raspberrypi-azure/>)

FEES

Roughly ₹40,000 in government institutes up to ₹5,40,000 in private ones. Online courses are cheaper.

SCHOLARSHIPS

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

6 What the work is like

WHERE YOU WORK

Telecom, IT services and consulting, industrial machinery, electronics and product-manufacturing firms.

WORK CULTURE

Mainly office with some field work; work with engineers and vendors; 5-6 days a week, 8-9 hours, shifts apply. Opportunities exist for persons with disabilities.

WHO HIRES

- TCS / Infosys / Wipro
- Amazon (AWS) / Microsoft (Azure)
- IoT startups
- Bosch / Honeywell
- L&T Technology Services / Tata Elxsi

DEMAND (2026)

In 2026 India's smart-city mission, smart agriculture and Industry 4.0 have driven a surge in connected devices; skilled IoT architects are scarce, so both demand and pay are high.

7 Career growth

- 1 IoT Developer / Engineer
- 2 Junior IoT Solutions Architect
- 3 Senior IoT Solutions Architect
- 4 Lead / Principal Architect

EARNINGS

Starting	₹40,000–70,000/माह
Mid level	₹1,00,000–1,70,000/माह
Senior level	₹2,50,000+/माह

Architect is a senior role; the strong pay comes after several years of IoT experience.

8 The good parts · The challenges

The good parts

- High demand and pay
- Work on cutting-edge technology
- Opportunities across many industries

The challenges

- Needs broad skills and constant learning
- Senior role requires years of experience
- Pressure of troubleshooting

9 Real-life journeys

Kayalvizhi Kandasamy

Principal Solutions Architect, AWS India (IoT/streaming data)

Bengaluru-based Kayalvizhi Kandasamy is a Principal Solutions Architect at AWS India, featured in AWS's 'She architects' blog. She built the Amazon Timestream–Kafka connector to stream customers' IoT sensor data, a concrete example of hands-on IoT architecture.

AWS Architecture Blog · <https://aws.amazon.com/blogs/architecture/she-architects-bringing-unique-perspectives-to-innovative-solutions-at-aws/>

Sunil David

Digital tech & IoT consultant; former Regional Director – IoT (India & ASEAN), AT&T

Sunil David spent about 29 years in IT and telecom and led IoT strategy and business growth for AT&T across India and ASEAN. A recognised IoT expert with 150+ speaking engagements on IoT and Industry 4.0, he now mentors AI and IoT startups.

Taalk (expert profile) · <https://taalk.com/sunil-david/>

10 Sources & further reading

1. Rajasthan Govt Career Guidance – IoT Solutions Architect — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%87%e0%a4%82%e0%a4%9f%e0%a4%b0%e0%a4%a8%e0%a5%87%e0%a4%9f-%e0%a4%91%e0%a4%ab-%e0%a4%a5%e0%a4%bf%e0%a4%82%e0%a4%97%e0%a5%8d%e0%a4%b8-iot-%e0%a4%b8%e0%a5%89%e0%a4%b2%e0%a5%8d%e0%a4%af%e0%a5%82/>
2. NPTEL – Internet of Things course — https://onlinecourses.nptel.ac.in/noc22_cs53/preview
3. AWS IoT (official) — <https://aws.amazon.com/iot/>



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

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