

# INTERNET OF THINGS (IOT) SOLUTIONS ARCHITECT

IT professionals who are responsible for strategy-making and overseeing the deployment of IoT (Internet of Things) solutions across organisations are known as Internet of Things (IoT) Solutions Architect. They develop practical uses and applications of Internet of Things (IoT) technology. The IoT solutions architect typically works with engineers and salespeople to facilitate process development.

## PERSONAL COMPETENCIES

- You are good with computers
- You like to analyse problems/situations
- You pay attention to details while working
- You are comfortable with communicating with others



The approx. course fee ranges between **INR 40,000 - 5,40,000\***

*\*These figures are estimated numbers and will vary from Institute to Institute.*

## SCHOLARSHIPS

- Engineering specific scholarships - You can opt for engineering-specific scholarships such as IndusInd Foundation Scholarship, Baba Gurbachan Singh Scholarship Scheme, Samsung Star Scholar Programme 2022, Central Sector Scheme Of Scholarships, JSPN Scholarship 2022 and so on\*
- National Scholarship Portal - Please visit [www.scholarships.gov.in](http://www.scholarships.gov.in) Under this portal there are Central Government schemes, UGC/AICTE Schemes and Assam Government Schemes offered by different departments\*
- Please visit [www.buddy4study.com](http://www.buddy4study.com) for details on available scholarships. This is a gateway to scholarships starting from Class XI\*
- Scholarships are also available in the Institutes based on merit\*

\*(Availability of these scholarships can vary from time to time)

## LOANS

- VidyaLakshmi, [www.vidyalakshmi.co.in](http://www.vidyalakshmi.co.in), is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.
- Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.
- All banks give education loans.



## ENTRY PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Mathematics)
  2. Complete a Bachelor's degree (B.Tech/B.Sc./BCA/B.E.) in Computer Science/Internet of Things (IoT)
- OR
- Complete a Bachelor's degree followed by a Master's degree (M.Tech/M.Sc./MCA/M.E.) in the same field

*Please check the duration of the course during enrolment*



## EXPECTED INCOME

*\*The figures are indicative & subject to change*

The approx. salary of a Internet of Things (IoT) Solutions Architect ranges between **INR 1,67,000 - 2,50,000\*** per month\*

Source: [https://www.payscale.com/research/IN/Job=Software\\_Architect/Salary/e5a6e350/Internet-of-Things-IoT](https://www.payscale.com/research/IN/Job=Software_Architect/Salary/e5a6e350/Internet-of-Things-IoT)

## WHERE WILL YOU WORK

**Places of Work:** You can find work in the Telecommunication industry, in IT Services & Consulting, Industrial Machinery and also in the Electronic and electronic product manufacturing sector

**Work Environment:** The work timings are typically 5 to 6 days a week for 8 to 9 hours per day. Shift system is applicable.

**Entrepreneurship:** You can pursue freelancing in this domain

*Opportunities for work exist for differently abled in this field.*

## EXPECTED GROWTH PATH

Junior Internet of Things (IoT) Solutions Architect → Senior Internet of Things (IoT) Solutions Architect

## WHERE WILL YOU STUDY?

The course is offered by the Department of Computer Science. This list of Institutes is indicative only

### GOVERNMENT INSTITUTES

Government Institutes

1. IIT Guwahati
2. Tezpur University, Tezpur
3. Assam University, Silchar
4. NIT Silchar
5. NIT Agartala
6. Assam Engineering College, Guwahati
7. NIT Arunachal Pradesh
8. CIT Kokrajhar
9. NIT Shillong

### PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC and AICTE before applying)

1. Gulzar Group of Institutes, Ludhiana
2. Shoolini University of Biotechnology and Management Sciences, Himachal Pradesh
3. Christ University, Bangalore
4. Chandigarh University, Chandigarh
5. Sharda University, Greater Noida
6. Vellore Institute of Technology, Vellore
7. Presidency University, Bangalore
8. Sathyabama Institute of Science and Technology, Chennai

Information on Institute rankings is available at - <https://www.>

### DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU), New Delhi

### ONLINE COURSES

- NPTEL\* Swayam

[https://onlinecourses.nptel.ac.in/noc22\\_cs53/preview](https://onlinecourses.nptel.ac.in/noc22_cs53/preview)

- Udemey -

<https://www.udemy.com/course/help-desk-analyst>

*\*NPTEL - National Programme in Technology Enhanced Learning. It is by the Government of India and offers a variety of courses in an audio - video form*

## EXAMPLE FROM THE FIELD

**Danilo Diaz** is an Internet of Things Solutions Architect with Microsoft. He has completed a Bachelor's in Computer Science as well as an MBA in Management from Arcadia university. Diaz is focused on helping organizations of all sizes fully maximize the potential that IoT brings to their industry.\*

Source: <https://www.iotforall.com/webinar/softeq-75-of-iot-projects-fail>

*\*The above information is for training purposes only and will not be used for any commercial gains*

Search keywords... 

*internet of things, internet of things analyst, internet of things expert*