



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
Centre of Training and Placement

Ref. No. IKGPTU/T&P/ 074

Dated 10/June/2025

Directors/ HoDs (All Academic Departments)
All the University Constituent Campuses
I K Gujral Punjab Technical University Jalandhar

Sub: Medoc Health – Joint Campus Internship & Placement Drive.

Respected Sir/Madam

I K Gujral Punjab Technical University invite students of its campuses to participate in Medoc Health – Joint Campus Internship & Placement Drive as per the below mentioned details:-

Designation	:	Profile 1:- Hardware & Robotics Engineer Profile 2:- Software Engineer, Backend (Node / TypeScript) Profile 3:- Software Engineer, Frontend (Flutter) Profile 4:- Batch Coordinator (Implementation Ops) Profile 5:- Client Engagement Associate Profile 6:- IT Support & Training Associate
Course/ Stream	:	Profile wise JD enclosed
Salary Package	:	JD enclosed
Job Location	:	JD enclosed
Batch Eligible	:	2025 & 2026 passing out

Interested students may register at the link mentioned below:-

https://docs.google.com/forms/d/19J1-Sw1KFqQXo58Kr6wGEeiax0IsfWqj_mBuqfIJZCg/edit

You are requested to kindly direct the Training & Placement Faculty Coordinator of your campus/department to share the information with the concerned students. **Last date of online registration is 13-June-25 before 1500 hrs.**

Date & Time of the selection process will be informed later on.

With profound regards,


Er. Mohit Jain
Assistant Registrar (T&P)

CC:

1. SVC: For kind information of the Hon'ble Vice Chancellor
2. Office of Registrar: For kind information
3. Head (CT&P): For kind information
4. Deputy Director (T&P): For kind information
5. File

“Propelling Punjab to a prosperous Knowledge Society”

I.K. Gujral Punjab Technical University
Jalandhar-Kapurthala Highway, Kapurthala -144 603. Phone : 01822-282580
E-mail : placements@ptu.ac.in Website : www.ptu.ac.in

1. Hardware & Robotics Engineer

Role Summary

Prototype, build, and refine Medoc's smart medical-IoT devices—integrating cameras, LiDAR, sensors, and actuators—so that our hospital products move seamlessly from concept to field-ready hardware.

Key Responsibilities:

- Design and assemble embedded electronics: select MCUs/SoCs, lay out PCBs, integrate USB-C, power-management, camera, LiDAR, and wireless modules.
- Develop low-level firmware (C/C++/MicroPython) and board-bring-up scripts; interface sensors via I²C/SPI/UART.
- Build proof-of-concept robotics rigs for computer-vision capture, pen-tracking, and prescription digitisation.
- Collaborate with mechanical designers on 3-D models, tolerance analysis, and enclosure ergonomics.
- Run hardware validation: EMC, thermal, drop, and lifecycle tests; document results and iterate fast.
- Author production test procedures, BOMs, and assembly SOPs; coordinate with contract manufacturers.
- Provide hardware insights to software teams for end-to-end optimisation and field troubleshooting.

Required Skills & Profile:

- Final-year/Pre-final year or graduate in ECE, Robotics, Mechatronics, or Instrumentation.
- Hands-on PCB design (Altium/KiCad), soldering, prototyping, and debug with oscilloscopes/logic analysers.
- Solid grasp of embedded C/C++, RTOS basics, and familiarity with STM32/ESP32/Raspberry Pi or similar.
- Comfortable with basic CAD (Fusion 360/SolidWorks) and rapid-prototyping tools (3-D printers, CNC).
- Bonus: experience with ROS2, OpenCV, motor control, or medical-device compliance (IEC 60601).
- Curious builder who loves turning napkin sketches into reliable, field-tested hardware.

Salary Package:-

- Rs. 20 000 / month (6-month window for 2025 batch; 12-month for 2026 batch).
- PPO: 5.00 – 7.00 LPA CTC based on performance; no bond beyond a 2-month mutual notice.

Primary Location

Jalandhar + occasional hospital site tests (≤20 % travel)

2. Software Engineer, Backend (Node / TypeScript)

Role Summary

Design and scale backend micro-services that move clinical data securely and in real time.

Key Responsibilities:

- Craft REST/gRPC APIs in TypeScript (Node.js/Nest.js).
- Model data in PostgreSQL/CouchDB; write performant queries and indexes.
- Implement auth, logging, monitoring, and automated tests.
- Integrate third-party services: payment gateways, hospital HIS, FHIR stores.
- Improve deployment pipelines on AWS/GCP with Docker and CI/CD.

Required Skills & Profile:

- Proficiency in Node.js, TypeScript, and relational/NoSQL DBs.
- Knowledge of clean architecture, design patterns, and security best practices.
- Familiarity with message queues (RabbitMQ/Kafka) or event-driven design.
- Curious, detail-oriented, and comfortable owning production code.
- Rs. 18 000 / month; PPO at ₹4.8 – 5 L CTC (≈₹33 – 35 k in-hand), 2-month notice.

Primary Location

Remote

3. Software Engineer, Frontend (Flutter)

Role Summary

Ship fast, polished Flutter apps that make healthcare intuitive for patients and clinicians across Android and iOS.

Key Responsibilities:

- Build new features and UIs in Flutter/Dart with clean architecture.
- Integrate REST/gRPC APIs and manage app state (Provider/Bloc/Riverpod).
- Profile, debug, and optimise for low-end devices and spotty networks.
- Collaborate with designers on pixel-perfect, responsive layouts.
- Participate in code reviews, test automation, and CI/CD pipelines.

Required Skills & Profile:

- Solid grasp of Flutter, Git, and mobile app life-cycle.
- Understanding of Material Design, async programming, and basic security.
- Bonus: experience with Firebase, GraphQL, or healthcare standards (FHIR).
- Self-starter who loves clean UI/UX and rapid iteration.

Salary Package:-

- ₹20 000 / month; PPO at ₹4 – 7 L CTC after 6-12 months, no bond.

Primary Location

Remote

4. Batch Coordinator (Implementation Ops)

Role Summary

Keep every hospital launch on track: own CRM pipelines, enforce SOPs, and surface risks so implementations scale predictably.

Key Responsibilities:

- Maintain lead and onboarding stages inside the CRM.
- Coordinate with support, training, and engineering teams to hit go-live dates.
- Monitor product usage dashboards; flag churn or upsell signals.
- Drive weekly stand-ups, action logs, and performance KPIs.
- Refine playbooks and templates for faster, repeatable roll-outs.

Required Skills & Profile:

- Detail-oriented graduate (BBA, MBA, BHMCT, or tech discipline with ops flair).
- Excel/Sheets power user; comfortable with basic SQL or analytics tools.
- Strong stakeholder-management and written communication.
- Enjoys process design and continuous improvement.

Salary Package:-

- Rs. 20 000 / month; PPO at ₹4 – 7 L CTC, 2-month mutual notice.

Primary Location

Regional Office; minimal travel

5. Client Engagement Associate

Role Summary

Own the first impression of Medoc Health for hospitals: run demos, guide onboarding, and cultivate lasting relationships that drive product adoption.

Key Responsibilities:

- Conduct product demo calls and in-person presentations for hospital leaders.
- Map client needs to Medoc features; answer functional queries.
- Coordinate onboarding timelines, documentation, and internal hand-offs.
- Track post-go-live health metrics and organise periodic check-ins.
- Capture client feedback to influence roadmap priorities.

Required Skills & Profile:

- Graduate in Business, Healthcare Management, or Engineering with strong communication.
- Persuasive storyteller comfortable speaking with senior clinicians.
- Empathetic, organised, and proactive in issue resolution.
- Basic familiarity with SaaS/health-tech is a plus.

Salary Package:-

- Rs. 18 000 / month; PPO at ₹3 – 5 L CTC based on performance, no bond.

Primary Location

Regional Office with occasional hospital visits.

6. IT Support & Training Associate**Role Summary**

Deploy Medoc Health's software and hardware at partner hospitals, deliver first-line technical support, and train medical staff for smooth adoption.

Key Responsibilities:

- Install and configure Hospital+, DocAssist, and ME solutions on-site.
- Run hands-on training sessions for doctors, nurses, and admins.
- Provide Level-1 troubleshooting; escalate critical issues to engineering.
- Capture on-ground feedback and draft improvement reports.
- Maintain installation logs and compliance checklists.

Required Skills & Profile:

- Tech-savvy graduate (B.Tech/B.E., BCA, B.Sc. IT, or similar).
- Clear verbal communication in English & Hindi; confident presenter.
- Logical problem-solver able to thrive in hospital environments.
- Willing to travel across North India up to 60 % of the time.
- 6-month (2025 batch) or 12-month (2026 batch) paid internship at ₹15 000 / month;
- high performers offered PPO at ₹3 – 5 L CTC with no bond (2-month notice).

Primary Location

Jalandhar/Mumbai (Kalyan)/Delhi/Indore + client hospitals (field travel).