



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR – 721 302, INDIA
Sponsored Research and Industrial Consultancy

ADVERTISEMENT NO. : IIT/SRIC/R/LDA/2026/105, DATED 2026-09-03

Applications are invited through online for the following assignment in a purely time bound research project undertaken in the Department of Mechanical Engineering of this institute.

- Name of the temporary assignment : 1) Senior Embedded Engineer, No. of post: 1.
- Name of the temporary research project : Low-Cost Indigenous Automated Insulin Delivery (AID) System
(Project Code – R/LDA)
- Dept./Centre/School : 1) Mechanical Engineering
- PI/Co-PI : Prof./Dr. Suman Chakraborty
- Application fee(In Rs.) : General / Male / OBC: 0
, Female : 0, SC/ST: 0
- Last date of application : September 17, 2026
- Name of the Sponsoring Agency : Dr. Anil Shah(5020 COPADEORO, Anaheim, CA 92807)
- Consolidated Compensation (per month) : 1) upto 72000
(depending on qualification and experience)
- Qualifications & Experience : 1)
Essential Qualification :
1) M.Tech. in Electronics/Electrical/Computer Science engineering with 2 years? experience or B.Tech. in Electronics/Electrical/Computer Science engineering with minimum 3 years? experience.
2) Strong proficiency in C/C++ for bare-metal and FreeRTOS environments.
3) Experience with ESP32 or nRF52 platforms (ESP-IDF / nRF5 SDK), BLE 5.0, and SPI/I2C/UART drivers.

Desired Experience :
Experience implementing MPC or PID control algorithms on embedded targets.
Knowledge of IEC 62304 software lifecycle and medical device firmware traceability.
Familiarity with TMC stepper driver configuration.

Age Limit : 30 years. Age rules may be relaxed upon fulfilling sponsor agency rules if any.

Tenure : 12 Months or the termination of the project, whichever is earlier.

Note:1. The qualifications and experience prescribed are the minimum and mere possession of the same does not entitle a candidate to be called for the interview.
2. Age as on last date of advertisement.

Application fee shall be deposited in the following bank account through RTGS/NEFT/NET Banking etc. as under:

1).BANK NAME: STATE BANK OF INDIA(00202);2).BANK ADDRESS: P.O:KHARAGPUR TECHNOLOGY,DIST:MIDNAPORE;WEST BENGAL-721302;3).NAME OF BANK A/C: IIT SRIC-OM Account;4).ACCOUNT NO: 39502115210;5).IFSC CODE: SBIN0000202;6).SWIFT CODE: SBININBB339;
The transaction details(UTR No./Transaction ID etc.) should be mentioned in the Application Form.