



Avinashilingam Institute for Home Science and Higher Education for Women- Coimbatore – 641043
NOTICE

No: Date: 3.3.2026

Applications are invited from eligible candidates for the recruitment of **Project Assistants**

Funding Agency	TCS – SASTRA
Project Title	Design and Development of a 3D Printer for Clay and Concrete-Based Construction Products
Sanction Number	SASTRA/TIC/DM-1
Tenure of the Project	18 Months
Principal Investigator	Dr. Nithya R, Associate Professor & Head, Department of Civil Engineering, School of Engineering
Co-Principal Investigator(s)	Dr. Subita T, Assistant professor, Department of Civil Engineering, School of Engineering
Industry Collaborator	M/s.Medsby Healthcare & Engineering Solutions, Ganapathy, Coimbatore
No. of Position(s)	3
Tenure	18 Months
Remuneration	Rs. 25,000/- per month (Consolidated)
Project Assistant 1 Essential Qualification	B.E. / B.Tech in Computer Science Engineering / Information Technology or relevant degree
Desirable Skills / Experience	Experience in Python/C++ programming, G-code development, firmware integration (Marlin/Embedded systems), slicing software, UI development, data analysis and AI/ML applications in 3D printing systems
Project Assistant 2 Essential Qualification	B.E. / B.Tech in Electronics and Communication Engineering / Mechatronics Engineering or relevant degree
Desirable Skills / Experience	Experience in embedded systems, microcontroller programming (Arduino/ATmega/STM), stepper motor interfacing, motor driver configuration (A4988/TMC series), PCB design, sensor integration, firmware modification (Marlin or similar), automation and control systems for 3D printing applications
Project Assistant 3 Essential Qualification	B.E. / B.Tech in Civil Engineering
Desirable Skills / Experience	Knowledge in concrete technology, rheology of clay and cementitious materials, mix design for printable concrete, material characterization, structural testing of printed components, AutoCAD/Structural analysis software
Age Limit	Preferably below 30 years (Male or Female)
Department of Posting	School of Engineering – Department of Civil Engineering

General Terms and Conditions:

1. Candidates are required to send the duly filled in application form affixed with recent passport size photograph, self-attested copies of certificates in support of qualification, age proof and experience.
2. No TA/DA will be paid either for attending the interview or joining the post.
3. The position is purely on a contractual basis.
4. The date of interview will be intimated to the shortlisted candidates by email only. Candidate(s) needs to produce all original documents at the time of interview.
5. The profile along with relevant documents (hard copies) should reach seven days from the date of advertisement addressed to The Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
6. The soft copies of the application and documents should be sent to the Registrar at registrar@avinuty.ac.in with a copy to PI.

Address for communication:

Dr. Nithya R, Associate Professor & Head, Department of Civil Engineering,
School of Engineering
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Coimbatore – 641108


REGISTRAR