6 माइल, सामदुर, तादोंग -737102
गंगटोक, सिक्किम, भारत
फोन-03592-251212, 251415, 251656
टेलीफैक्स -251067
वेबसाइट - www.cus.ac.in

6th Mile, Samdur,Tadong -737102
Gangtok, Sikkim, India
Ph. 03592-251212, 251415, 251656
Telefax: 251067
Website: www.cus.ac.in

सिक्किम विश्वविद्यालय
SIKKIM UNIVERSITY
(भारत के संसद के अधिनियम द्वारा वर्ष 2007 में स्थापित और नैक (एनएएसी) द्वारा वर्ष 2015 में प्रत्यायित केंद्रीय विश्वविद्यालय)
(A central university established by an Act of Parliament of India in 2007 and accredited by NAAC in 2015)

SU/COMA/F-2/PROJECT/SROY/Adv-01/2025   **Date: 20-03-2025**

Advertisement
Publication Date: 26-03-2025

Hiring for Manpower in the IDEAS-TIH, ISI-Kolkata research project (funded by DST, Govt. of India) at the Network Reconstruction and Analysis (NETRA) Lab, Department of Computer Applications, Sikkim Central University.

Applications are invited from eligible candidates for a temporary research position of up to one (01) year. Interested candidates should submit a detailed resume, clearly specifying academic qualifications, relevant experience, email ID, and mobile number, to *sroy01@cus.ac.in*. Please note that meeting the basic eligibility criteria does not guarantee an interview call. Shortlisted candidates will be notified via email and invited for an online or offline interview.

1.	**Title of the project**	:	*Prioritizing Alzheimer's Disease (AD) Responsible Genes Through Multi-Modal Network Integration and Advanced AI: Leveraging Graph Deep Learning and Large Language Models (LLMs)*
2.	**Duration of the project**	:	12-Months (One Year), subject to extension after 6 months of satisfactory performance.
3.	**Position Available**	:	**1. Senior Research Fellow (SRF)** -One (01) Nos. **2. Consultant/Software Developer** - One (01) Nos.
4.	**Fellowship**	:	SRF will receive a monthly stipend of ₹42,000/- with an additional 10% HRA as per applicable rules. The Consultant/Software Developer position will receive a consolidated monthly salary of ₹50,000/-
6.	**Last Date for Application**	:	One week from the date of publication of the advertisement. Email: (*sroy01@cus.ac.in*)
7.	**Communication Address**	:	**Dr Swarup Roy** (Principal Investigator)

6 माइल, सामदुर, तादोंग -737102
गंगटोक, सिक्किम, भारत
फोन-03592-251212, 251415, 251656
टेलीफैक्स -251067
वेबसाइट - www.cus.ac.in

सिक्किम विश्वविद्यालय
SIKKIM UNIVERSITY

6th Mile, Samdur,Tadong -737102
Gangtok, Sikkim, India
Ph. 03592-251212, 251415, 251656
Telefax: 251067
Website: www.cus.ac.in

(भारत के संसद के अधिनियम द्वारा वर्ष 2007 में स्थापित और नैक (एनएएसी) द्वारा वर्ष 2015 में प्रत्यायित केंद्रीय विश्वविद्यालय)
(A central university established by an Act of Parliament of India in 2007 and accredited by NAAC in 2015)

Professor
Department of Computer Applications
Sikkim (Central) University
6th Mile, Samdur, Tadong, Gangtok, Sikkim-737102.

8. Qualifications

Position	Senior Research Fellow (SRF)	Consultant / Software Developer
Essential Qualifications	-M.Tech/M.Sc/M.S./MCA in Computer Science, Bioinformatics, Computational Biology, Data Science, or related fields. - Ph.D. (or pursuing) preferred. - Strong research background in AI/ML, proven record of impactful research in the similar area of computational biology, or biomedical data analysis.	- B.Tech/M.Tech/M.Sc./MCA in Computer Science, AI, Data Science, or related fields. - Industry or research experience in software development, AI/ML, or biomedical informatics.
Technical Skills	- Proficiency in **Python**. - Experience with **PyTorch, TensorFlow, PyG, and DGL**. - Knowledge of **graph-based learning, multimodal data fusion, and LLMs**. - Handling **large-scale biomedical datasets and knowledge graphs**. - Experience in **statistical analysis, dimensionality reduction, and network-**	- Strong programming skills in **Python, Java, or C++**. - Experience with **Graph Neural Networks (GNNs), Knowledge Graphs, and Deep Learning**. - Familiarity with **database management (SQL, Neo4j), cloud computing (AWS, GCP), and HPC**. - Knowledge of **web-based data visualization, REST APIs, and UI/UX**.

6 माइल, सामदुर, तादोंग -737102
गंगटोक, सिक्किम, भारत
फोन-03592-251212, 251415, 251656
टेलीफैक्स -251067
वेबसाइट - www.cus.ac.in

सिक्किम विश्वविद्यालय
SIKKIM UNIVERSITY

6th Mile, Samdur,Tadong -737102
Gangtok, Sikkim, India
Ph. 03592-251212, 251415, 251656
Telefax: 251067
Website: www.cus.ac.in

(भारत के संसद के अधिनियम द्वारा वर्ष 2007 में स्थापित और नैक (एनएएसी) द्वारा वर्ष 2015 में प्रत्यायित केंद्रीय विश्वविद्यालय)
(A central university established by an Act of Parliament of India in 2007 and accredited by NAAC in 2015)

	based predictions.	
Research/Industry Experience	-Prior experience in **biomedical network analysis, multi-omics network analysis**. - Proven record of impactful research in the similar area of computational biology. Publication record in high impact journals.	- Hands-on experience in **AI/ML model development, LLM, RAG, optimization, and deployment**. - Familiarity with **software engineering best practices, version control (Git), and documentation tools**. - Ability to **build scalable applications and optimize algorithms**. - Applicants with prior industry experience will be given preference.
Preferred Experience	- Prior work in **Alzheimer's Disease research, computational biology, or genomics**. - Experience integrating **graph-based AI with multi-modal biological data**.	- Experience in **deploying AI/ML models in real-world applications**. - Prior experience in handling **biomedical informatics or health-tech AI based commercial projects**.

Sd/-

Principal Investigator