



## Two PhD Positions @ Hyderabad Campus

### BITS Pilani – Iowa State University Collaboration

**Deadline: May 20, 2026| Joining: At the earliest**



Applications are invited for **two** Joint PhD positions under BITS Pilani and Iowa State University collaboration program at MMNE Lab (<https://mmne.bits-hyderabad.ac.in/>).

	Position 1	Position 2
<b>Topic</b>	AI-Enabled LIG-Microfluidic Biosensing Platform for Early Detection of Livestock Diseases	Edible and Implantable Microbial Fuel Cells for Biomedical Sensing
<b>Scope of Work</b>	Develop a portable, AI-enabled, multi-modal biosensing platform for early detection of livestock diseases	Develop and optimize food-based, biocompatible electrodes for miniaturized MFCs and to assess the performance and feasibility of miniaturized MFCs for in vivo gut monitoring applications.
<b>Details</b>	<a href="#">Please click here</a>	
<b>BITS Supervisor</b>	<a href="#">Prof. Ponnalagu R N</a>	<a href="#">Prof. Sanket Goel</a>
<b>ISU Supervisor</b>	<a href="#">Prof. Carmen L. Gomes</a>	<a href="#">Prof. Ratnesh Kumar</a>
<b>Fellowship</b>	<ul style="list-style-type: none"> <li>• ₹ 4,44,000 per annum during first two years in India.</li> <li>• \$28,000 per annum while in USA (as per TA/RA norms) with full tuition waiver and health insurance coverage.</li> <li>• BITS Pilani or ISU will not bear the visa and travel cost to USA and back for the candidate.</li> </ul>	
<b>Eligibility</b>	<ul style="list-style-type: none"> <li>• M.E./MTech/M.S. in Engineering with minimum of 80% aggregate or 8.0 CGPA (10-point scale) at both UG and PG levels.</li> <li>• Selected candidate must clear a minimum cut-off in TOEFL/IELTS before moving to Iowa State University.</li> <li>• Experience in related project area is a plus.</li> </ul>	
<b>How to apply?</b>	Please apply with CV and Cover letter (showing alignment and justification with the roles/responsibilities/requirements) using this form <a href="https://forms.gle/NbwibhrciaPbKskQ7">https://forms.gle/NbwibhrciaPbKskQ7</a>	
<b>Deadline</b>	May 20, 2026	

Preliminary shortlisting will be based on resume (CV). For final interview, the candidate will be informed through e-mail (electronically).

**Prof. Ponnalagu R N**

**Prof. Sanket Goel**

**(MMNE Lab / EEE Department)**

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