



**VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY**  
Department of Chemical Engineering  
South Ambazari Road-440010, Maharashtra

**Requirement of Project Fellow in the Department of Chemical Engineering**

Applications are invited from motivated and eligible candidates for the post of Project Fellow to work on DST funded research project.

<b>Title of the project</b>	<b><i>Valorization of Agro-Industrial Wastewater: Innovative Approaches for Bio-Malic Acid Production and Effective Wastewater Treatment</i></b>
<b>Scope of Project</b>	<p>The project aims to develop an integrated and sustainable bioprocess for the valorization of agro-industrial wastewater through bio-based malic acid (bio-MA) production using microbial systems. The work involves the development of an efficient wastewater treatment methodology coupled with the optimization of fermentation conditions for enhanced malic acid yield. The project also includes the evaluation of process parameters, microbial strain selection and cultivation (particularly of fungal systems), and life cycle assessment (LCA) to determine the environmental impact and feasibility of the proposed approach.</p> <p>The selected candidate will work on microbial culture handling, fermentation setup and operation, metabolite analysis, and data interpretation related to bioprocess efficiency and wastewater treatment performance.</p>
<b>Position</b>	<b>Project Fellow</b> ✓
<b>No. of posts</b>	01
<b>Duration</b>	The position is purely temporary in nature. The initial appointment is for a period of six months and may be extended for up to five years, solely based on satisfactory performance.
<b>Essential qualification</b>	B.E./ B.Tech./ M.Sc./ M.Tech. in Biotechnology/ Microbiology/ Biochemistry/ Industrial Biotechnology, Chemical Engineering, or Environmental Science/Engineering or an allied branch from recognized universities/institutes, with a good academic record.
<b>Desired qualification</b>	Experience in microbial handling (particularly fungal cultivation); an overall good academic record; and sound experimental and analytical skills.
<b>Ph.D. Opportunity</b>	The selected candidate will have the opportunity to register for a regular Ph.D. program, provided the candidate satisfies the eligibility criteria for the Ph.D. program in the Department of Chemical Engineering ( <a href="https://vnit.ac.in/section/academics/admission/">https://vnit.ac.in/section/academics/admission/</a> ).
<b>Eligibility, Fellowship</b>	Rs. 20,000/- per month (consolidated) ✓
<b>Mode of application</b>	Interested candidates are invited to appear for a walk-in <u>Interview on 27th November 2025 at 11:00 a.m.</u> in the Department of Chemical Engineering. Candidates are requested to bring their CV, along with original certificates and a set of photocopies of all relevant documents.
<b>Contact</b>	<b>Dr. Suvidha Gupta</b> Department of Chemical Engineering, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur-440010. Email: <a href="mailto:dstinspirefaculty@che.vnit.ac.in">dstinspirefaculty@che.vnit.ac.in</a> Phone: 0712-280-1785

*Suvidha*  
18/11/2025  
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Dean (R&C)