PhD in Project Mode – July 2024

Sl. No.	01
Dept.	Chemical Engineering
Project Code	PM_CL_SS
Joint Supervisors	PI: Prof. Senthilmurugan Subbiah (CL) Co-PI: Topic 1: Biomass pyrolysis: Prof. Farrukh Khalid (SESE), Topic 2: Chemical activation: Prof. Kaustubh Mohanty (CL), Topic 3: Process modelling and Optimization: Prof. Pankaj Tiwari (CL), Topic 4: Advance control for pyrolysis reactor: Prof. Pankaj Tiwari (CL)
Title of the Project	Design and Development of a Demonstration Plant for production of Marketable Grade Green Activated Carbon from Bamboo Dust
Project Summary	Funding Agency: NRL Total Project Duration: 42 months Number of Months Left: 36 Number of Students Required: 04 Assistantship per Month: Rs. 35,000/- Number of Months of Assistantship: 42 HRA Amount, if applicable: As per IITG norms Any other Allowances: Medical (as per IITG norms)
Sl. No.	02
Dept.	Chemical Engineering
Project Code	PM_CL_SS1
Joint Supervisors	PI: Prof. Senthilmurugan Subbiah (CL) Co-PI: Prof. Prakash Kotecha (CL)
Title of the Project	Hybrid Separation Process for valuable recovery and Water reuse for process industries by adopting water and energy pinch (HySepWater)
Project Summary	Funding Agency: DST Total Project Duration: 36 months Number of Months Left: 36 Number of Students Required: 01 Assistantship per Month: Rs. 35,000/-

	Number of Months of Assistantship: 36
	HRA Amount, if applicable: As per IITG norms
	Any other Allowances: NIL

Sl. No.	03
Dept.	Computer Science and Engineering
Project Code	PM_CS_MK
Joint Supervisors	PI: Prof. Manas Khatua (CSE) Co-PI: NIL
Title of the Project	Security-by-Design in IoT: Securing IoT Protocols against Cyber Attacks in Industrial IoT Applications
Project Summary	Funding Agency: SERB Total Project Duration: 36 months Number of Months Left: 35 Number of Students Required: 01 Assistantship per Month: Rs. 31,000/- Number of Months of Assistantship: 36 HRA Amount, if applicable: As per IITG norms Any other Allowances: Medical (as per IITG norms)

Sl. No.	04
Dept.	Centre for Sustainable Water Research
Project Code	PM_WR_MKD
Joint Supervisors	PI: Prof. Mrinal Kanti Dutta (HSS) Co-PI: NIL
Title of the Project	Agricultural Public-Private Partnerships: A Comparative Study of Indian and Ethiopian Models
Project Summary	Funding Agency: IHE Delft Institute for Water Education, the Netherlands Total Project Duration: 48 months Number of Months Left: 42 Number of Students Required: 01 Assistantship per Month: 37,000/- Number of Months of Assistantship: 42 HRA Amount, if applicable: As per IITG norms Any other Allowances: Medical (as per IITG norms)

Sl. No.	05
Dept.	Biosciences and Biengineering
Project Code	PM_BSBE_SK
Joint Supervisors	PI: Prof. Sachin Kumar (BSBE) Co-PI: NIL
Title of the Project	Understanding the host metabolome to formulate effective diagnostics against dengue virus infection
Project Summary	Funding Agency: ICMR Total Project Duration: 36 months Number of Months Left: 36 Number of Students Required: 01 Assistantship per Month: Rs. 56,000/- Number of Months of Assistantship: 36 HRA Amount, if applicable: As per IITG norms Any other Allowances: NIL

Sl. No.	06
Dept.	Electronics and Electrical Engineering
Project Code	PM_EE_GT
Joint Supervisors	PI: Prof. Gaurav Trivedi Co-PI: Dr. Prithwijit Guha, Dr. Aryabartta Sahu, Dr. Srinivasan Krishnaswamy, Dr. Hanumant Singh Shekhawat
Title of the Project	Design and Development of AI/ML Co-Processor and Post Quantum Cryptography Co-Processor (An initiative towards Electronics System Design and Manufacturing in North-East Region)
Project Summary	Funding Agency: Ministry of Electronics and Information Technology Total Project Duration: 36 months Number of Months Left: 30 Number of Students Required: 10 Assistantship per Month: Rs. 56,000/- Number of Months of Assistantship: 36 HRA Amount, if applicable: As per IITG norms Any other Allowances: Medical (as per IITG norms)