## Summer @ IIT Palakkad

Application Portal for Summer Internships 2025



## Your Application Status

## Internship Positions Available 2025

Name of Faculty Member	Department/Centre	Research Area
Albert Sunny	Automation Cell	IIT PKD ERP Frontend Development (2 positions)
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Prasun Kumar	Biological Sciences and Engineering	Protein Design
V.G Sivakumar	Biological Sciences and Engineering	cancer-associated synonymous mutations; RNA structure
Supratik	Chemistry	Fluorescence Spectroscopy
Shanmugaraju	Chemistry	Supramolecular Chemistry
Shanmugaraju	Chemistry	Coordination Chemistry
Sushabhan Sadhukhan	Chemistry	Chemical Biology
Mintu Porel	Chemistry	Organic Chemistry
Yugender Kotagiri	Chemistry	Electrochemical Energy Conversion and Storage
Padmesh A	Chemistry	Computational Chemistry
Padmesh A	Chemistry	Molecular Simulations
Yuvaraj	Chemistry	Main group Chemistry
Debabrata Dhara	Chemistry	Boron chemistry
Rositha	chemistry	computational chemistry
Rakesh J Pillai	Civil Engineering	Application of AI/ML for landslide analysis
Subhasis Mitra	Civil Engineering	Water Resources Engineering

Arun C O         Civil Engineering         Design and Analysis of Underground Structures / Numerical modelling of Masonry Structures / Numerical Simulation of Sloshing of Ilquids           Senthilkumar         Civil Engineering         Reality Modeling of UG Structures using GPR and LIDAR           Senthilkumar         Civil Engineering         Automated Element Recognition using Point Cloud Data           Sandeep Computer Science and Engineering         System performance analysis and modelling           Sreenath Vijayakumar         Electrical Engineering         Intelligent Sensor Systems           Revathy Engineering         Electrical Nanoelectronics, Optoelectronics, Semiconductor Devices           Arun Rahul S Engineering         Electrical Engineering         Motor drives           Subrahmanyam         Electrical Engineering         Digital VLSI Design           Sulrahmanyam         Electrical Engineering         Control engineering           Shaikshavali Engineering         Electrical Engineering         Control engineering           Shaikshavali Engineering         Electrical Engineering         RF and Microwave Active Circuits           Sukomal Dey         Electrical Engineering         RF and Microwave Active Circuits           Sukomal Dey         Electrical Engineering         RF passive circuits including antennas           Swaroop Sahoo         Electrical Engineering         Implementation of basic signal processo	Ankesh Kumar	Civil Engineering	Mechanical Behaviour of Rocks Under High Strain Rate Loadig
Arun C OCivil EngineeringNumerical Simulation of Sloshing of liquidsSenthilkumarCivil EngineeringReality Modeling of UG Structures using GPR and LIDARSenthilkumarCivil EngineeringAutomated Element Recognition using Point Cloud DataSandeep ChandranComputer Science and EngineeringSystem performance analysis and modellingSreenath VijayakumarElectrical ElectricalIntelligent Sensor SystemsRevathyElectricalNanoelectronics, Optoelectronics, Semiconductor DevicesArun Rahul SElectrical EngineeringMotor drivesArun Rahul SElectrical EngineeringSignal Processing/VLSI SystemsSubrahmanyamElectrical EngineeringDigital VLSI DesignSubrahmanyamElectrical EngineeringControl engineeringShaikshavaliElectrical EngineeringConverter design for mild-hybrid vehicles.ShaikshavaliElectrical EngineeringRF and Microwave Active CircuitsSukomal DeyElectrical EngineeringRF passive circuits including antennasSukomal DeyElectrical EngineeringImplementation of basic signal processorSwaroop SahooElectrical EngineeringImplementation of a hybrid finite element-finite volume scheme for multiphase tumour growth modelsGopikrishnan C RMathematicsFunctional analysisLakshmi SankarMathematicsNonlinear AnalysisChakradharMechanical EngineeringBiomass gasifier studies	Ankesh Kumar	Civil Engineering	Design and Analysis of Underground Structures
Senthilkumar Civil Engineering LIDAR  Senthilkumar Civil Engineering Automated Element Recognition using Point Cloud Data  Sandeep Computer Science and Engineering Intelligent Sensor Systems  Flectrical Electrical Intelligent Sensor Systems  Revathy Electrical Nanoelectronics, Optoelectronics, Semiconductor Devices  Arun Rahul S Electrical Engineering Devices  Arun Rahul S Electrical Engineering Signal Processing/VLSI Systems  Bubrahmanyam Electrical Engineering Digital VLSI Design  Electrical Engineering Control engineering  Naga Electrical Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering RF and Microwave Active Circuits  Engineering Engineering Texas Instruments signal processing using Texas Instruments signal processor  Deepak Jaiswal ESENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Elomass gasifier studies  Chakradhar Mechanical Sustainable machining  Chakradhar Mechanical Sustainable machining	Arun C O	Civil Engineering	,
Sandeep Chandran Sandeep Chandran Sreenath Vijayakumar Electrical Padmanabhan Electrical Electrical Electrical Electrical Motor drives Engineering Subrahmanyam Mula Electrical Engineering Electrical Engineering Subrahmanyam Electrical Engineering Shaikshavali Chitraganti Electrical Engineering Electrical Brahmendra Engineering Sukomal Dey Electrical Engineering Electrical Engineering Electrical Engineering Engineering Electrical Engineering Engineering Engineering Electrical Engineering Engineering Engineering Electrical Engineering Engineering Electrical Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering Electrical Engineering Electrical E	Senthilkumar	Civil Engineering	-
Chandran and Engineering System performance analysis and modelling Sreenath Vijayakumar Engineering Intelligent Sensor Systems  Revathy Electrical Padmanabhan Engineering Devices  Arun Rahul S M Sabarimalai Electrical Engineering Signal Processing/VLSI Systems  Subrahmanyam Electrical Engineering Digital VLSI Design  Shaikshavali Electrical Engineering Control engineering  Naga Electrical Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering RF passive circuits including antennas  Electrical Engineering Texas Instruments signal processing using Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Gopikrishnan C R  Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Biomass gasifier studies  Chakradhar Mechanical Sustainable marchining	Senthilkumar	Civil Engineering	
VijayakumarEngineeringIntelligent Sensor SystemsRevathyElectrical EngineeringNanoelectronics, Optoelectronics, Semiconductor DevicesArun Rahul SElectrical EngineeringMotor drivesM Sabarimalai ManikandanElectrical EngineeringSignal Processing/VLSI SystemsSubrahmanyam MulaElectrical EngineeringDigital VLSI DesignShaikshavali ChitragantiElectrical EngineeringControl engineeringNaga BrahmendraElectrical EngineeringConverter design for mild-hybrid vehicles.Sukomal DeyElectrical EngineeringRF and Microwave Active CircuitsSukomal DeyElectrical EngineeringRF passive circuits including antennasSwaroop SahooElectrical EngineeringImplementation of basic signal processing using Texas Instruments signal processorDeepak Jaiswal Srijan SarkarESSENCEPlant Biology & Agriculture Data Analyses using RGopikrishnan C RMathematicsFunctional analysisGopikrishnan C RMathematicsImplementation of a hybrid finite element-finite volume scheme for multiphase tumour growth modelsLakshmi SankarMathematicsNonlinear AnalysisKrishnaMechanical EngineeringBiomass gasifier studies		·	System performance analysis and modelling
PadmanabhanEngineeringDevicesArun Rahul SElectrical EngineeringMotor drivesM Sabarimalai ManikandanElectrical EngineeringSignal Processing/VLSI SystemsSubrahmanyam MulaElectrical EngineeringDigital VLSI DesignShaikshavali ChitragantiElectrical EngineeringControl engineeringNaga BrahmendraElectrical EngineeringConverter design for mild-hybrid vehicles.Sukomal DeyElectrical EngineeringRF and Microwave Active CircuitsSukomal DeyElectrical EngineeringImplementation of basic signal processing using Texas Instruments signal processorSwaroop SahooElectrical EngineeringImplementation of basic signal processorDeepak JaiswalESSENCEPlant Biology & Agriculture Data Analyses using RSrijan SarkarMathematicsFunctional analysisGopikrishnan C RMathematicsImplementation of a hybrid finite element-finite volume scheme for multiphase tumour growth modelsLakshmi SankarMathematicsNonlinear AnalysisKrishnaMechanical EngineeringBiomass gasifier studiesChakradharMechanicalSustainable machining			Intelligent Sensor Systems
Arun Rahul S Engineering M Sabarimalai Electrical Engineering Signal Processing/VLSI Systems  Subrahmanyam Mula Electrical Engineering Electrical Engineering Control engineering  Naga Electrical Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering Electrical Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering Engineer	•		-
Subrahmanyam Electrical Engineering Digital VLSI Design  Shaikshavali Electrical Engineering Control engineering  Naga Electrical Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering RF passive circuits including antennas  Swaroop Sahoo Electrical Engineering Texas Instruments signal processing using Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis  Gopikrishnan C R  Mathematics Nonlinear Analysis  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Biomass gasifier studies  Chakradhar Mechanical Sustainable machining	Arun Rahul S		Motor drives
Mula Engineering Digital VLSI Design  Shaikshavali Electrical Engineering Control engineering  Naga Electrical Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering RF passive circuits including antennas  Swaroop Sahoo Electrical Engineering Implementation of basic signal processing using Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis  Gopikrishnan C R  Mathematics Implementation of a hybrid finite element-finite volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Biomass gasifier studies  Chakradhar Mechanical Sustainable machining			Signal Processing/VLSI Systems
Chitraganti Engineering Control engineering  Naga Electrical Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering RF passive circuits including antennas  Swaroop Sahoo Electrical Engineering Implementation of basic signal processing using Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis  Gopikrishnan C R  Mathematics Implementation of a hybrid finite element-finite volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Electrical Engineering Electrical Engineering Electrical Implementation of a hybrid finite element-finite volume scheme for multiphase tumour growth models  Sustainable machining			Digital VLSI Design
Brahmendra Engineering Converter design for mild-hybrid vehicles.  Sukomal Dey Electrical Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering RF passive circuits including antennas  Swaroop Sahoo Electrical Engineering Implementation of basic signal processing using Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis  Gopikrishnan C R Mathematics Implementation of a hybrid finite element-finite volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Biomass gasifier studies  Chakradhar Mechanical Sustainable machining			Control engineering
Sukomal Dey Engineering RF and Microwave Active Circuits  Sukomal Dey Electrical Engineering RF passive circuits including antennas  Swaroop Sahoo Electrical Engineering Implementation of basic signal processing using Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis  Gopikrishnan C R Mathematics Implementation of a hybrid finite element–finite volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Biomass gasifier studies  Chakradhar Mechanical Sustainable machining			Converter design for mild-hybrid vehicles.
Sukomal Dey Engineering  Electrical Engineering  Electrical Engineering  ESSENCE  Plant Biology & Agriculture Data Analyses using R  Functional analysis  Gopikrishnan C R  Mathematics  Monlinear Analysis  Krishna  Mechanical Engineering  Mechanical Engineering  Sustainable machining	Sukomal Dey		RF and Microwave Active Circuits
Swaroop Sahoo Engineering Texas Instruments signal processor  Deepak Jaiswal ESSENCE Plant Biology & Agriculture Data Analyses using R  Srijan Sarkar Mathematics Functional analysis Implementation of a hybrid finite element-finite volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering  Chakradhar Mechanical Sustainable machining	Sukomal Dey		RF passive circuits including antennas
Srijan Sarkar Mathematics Functional analysis  Gopikrishnan C R Mathematics Implementation of a hybrid finite element–finite volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering Biomass gasifier studies  Chakradhar Mechanical Sustainable machining	Swaroop Sahoo		
Gopikrishnan C R  Mathematics  Lakshmi Sankar  Mechanical Engineering  Mechanical Chakradhar  Mathematics  Mathematics  Mathematics  Mathematics  Mechanical Engineering  Mechanical  Sustainable machining	Deepak Jaiswal	ESSENCE	Plant Biology & Agriculture Data Analyses using R
Copikrishnan C R Mathematics Volume scheme for multiphase tumour growth models  Lakshmi Sankar Mathematics Nonlinear Analysis  Krishna Mechanical Engineering  Chakradhar Mechanical Sustainable machining	Srijan Sarkar	Mathematics	Functional analysis
Sankar  Mathematics  Nonlinear Analysis  Mechanical Engineering  Chakradhar  Mechanical  Sustainable machining	•	Mathematics	volume scheme for multiphase tumour growth
Krishna Biomass gasifier studies  Chakradhar Mechanical Sustainable machining		Mathematics	Nonlinear Analysis
Sustainable machining	Krishna		Biomass gasifier studies
			Sustainable machining

Dinesh Setti	Mechanical Engineering	Grinding and IoT
Dinesh Setti	Mechanical Engineering	Plasma Polishing
Kesavan	Mechanical Engineering	Contact simulation
Kesavan	Mechanical Engineering	Material testing
Kanmani Subbu S	Mechanical Engineering	Additive Manufacturing
Anoop Akkoorath Mana	Mechanical Engineering	Stability assessment of mobile cranes
Santhakumar Mohan	Mechanical Engineering	Robotics
Samarjeet Chanda	Mechanical Engineering	Thermal management of avionics and batteries
Pramod Kuntikana	Mechanical Engineering	Windshaper: Fan array wind generator
Sagi Rathna Prasad	Mechanical Engineering	Condition Monitoring of Rotating Machinery using AI/ML
Mayank Tiwari	Mechanical Engineering	Drive train Dynamics / Modeling on tolls ADAMS etc)
Buchibabu	Mechanical Engineering	Additive Manufacturing
Sovan Lal Das	Mechanical Engineering/Physics	Interaction between small molecules/peptides with lipid bilayer membrane
Soham Manni	Physics	Single crystal growth and characterization of 2D Magnetic Materials
Soham Manni	Physics	Single crystal growth and characterization of van der waals materials
Uma Divakaran	Physics	Nonequilirbium quantum systems
Jayakumar Balakrishnan	Physics	2D Materials