



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research
Ravet, Pune**



Academic Year: 2022-23

Faculty Profile



Name of Faculty:	Mr. Anant Sidhappa Kurhade		
Qualification :	M.E.(Heat Power), PhD Pursuing		
Designation :	Assistant Professor		
Department :	Mechanical Engineering		
Date of Joining :	15 July 2016		
Experience :	Teaching : 15 Years Industry: --- Research:---		
Research Areas / Area of Specialization	Electronic Cooling, Thermal Engineering, Heat Transfer, Power Plant Engineering, Automobile Engineering		
Courses / Subjects Taken:	Thermal Engineering, Heat Transfer, Engineering Graphics, Numerical Methods, Strength of Materials, Automobile Component Design, Design of Machine Elements, Automobile Transmission System, Systems in Mechanical Engineering, Turbo Machines, Power Plant Engineering , Refrigeration & Air Conditioning, Engineering Mechanics,		
IPR :	Title	Docker No./ Diary No.	Registered /Filed
	Flow Chart Of Bisection Method To Find Approximate Root Of Equation For Given Number Of Iterations	L-97033/2020	Registered
	Flow Chart Of Trapezoidal Rule To Find The Approximation Of A Definite Integral	L-97644/2020	Registered
	The Flow Chart Of Runge Kutta Second Order Method To Find The Solution Of Ordinary And Simultaneous Differential Equations	L-98826/2021	Registered
	The Flow Chart Of Euler's Method To Solve The First Order Differential Equations	L-99393/2021	Registered
	The Flow Chart Of Lagrange's Interpolation	L-99660/2021	Registered

	Method To Find The Polynomial And Solution With Certain Values At Arbitrary Points		
	Flow Chart Of Newton Raphson Method To Find The Approximate Root Of Equation For Given Number Of Iterations	L-98489/2021	Registered
	Flow Chart Of Simpson's 1/3 Rule To Find Approximate Value Of A Definite Integral By Using Quadratic Functions	L-98260/2021	Registered
	The Flow Chart Of Successive Approximation Method To Find The Approximate Root Of Equation For Given Number Of Iterations	L-99412/2021	Registered
	The Combined Flow Chart Of Gauss 2 Point & Gauss 3 Point Methods To Find The Approximate Value Of A Definite Integral	L-99382/2021	Registered
	The Flow Chart To Fit A Curve For Exponential Curve ($Y=A*\text{Exp}(Bx)$) For A Given Value Of X And Y	L-101693/2021	Registered
	The Flow Chart Of Inverse Interpolation Method To Find The Polynomial And Solution With Certain Values At Arbitrary Points.	L-100974/2021	Registered
	The Flow Chart Of Simpson's 3/8 Rule To Find Approximation Of A Definite Integral By Using Quadratic Functions	L-100619/2021	Registered
	The Flowchart To Fit Curve For A Power Equation $Y = Ab^X$ For All Given Values Of X And Y	L-102063/2021	Registered
	Matlab Coding Of Bisection Method To Find Approximate Root Of Equation For Given	L-104620/2021	Registered

	Number Of Iterations		
	Flow Chart Of Runge Kutta 4th Order Method To Solve First Order Ordinary Differential Equations	L-92779/2020	Registered
Research Publications :			
Journal Publications:	Year	Title of Paper	Published in
	2015	Effect of Wavy (Corrugated) Twisted Tape Inserts on Heat Transfer in a double Pipe Heat Exchanger	International Journal Of Innovations In Engineering Research And Technology [IJIERT]
	2015	Fuzzy Logic Modeling of Heat Transfer in a double Pipe Heat Exchanger with Wavy (Corrugated) Twisted Tape Inserts	International Journal Of Innovations In Engineering Research And Technology [IJIERT]
	2016	Heat transfer enhancement by using twisted tape inserts with circular holes in forced convection	International Journal Of Innovations In Engineering Research And Technology [IJIERT]
	2018	Development of Secondary Braking System in Order Reduce Accidents Happening Due to Brake Failure	International Journal of Scientific Research and Development (IJSRD)
	2020	Design & Analysis of the Steering System for All-Terrain Vehicle	Journal of Fluid Mechanics and Mechanical Design
	2021	Effect of thermal conductivity of substrate board for temperature control of electronic components: A Numerical study	International Journal of Modern Physics C (IJMPC)
	2022	Thermal control of IC chips using phase change material: A CFD investigation	International Journal of Modern Physics C (IJMPC)
	2023	CFD Approach for Thermal Management to Enhance the Reliability of IC Chips	International Journal of Engineering Trends and Technology (IJETT)
Conference Publications:	Year	Title of Paper	Published in
	2019	Water Saving and Hygienic Faucet for Public Places in Developing Countries	Techno-Societal 2018 (Springer)
	2021	Computational study of PCM cooling for	Materials Today: Proceedings

	electronic circuit of smart-phone
Books Publication:	Thermal Engineering (Diploma in Mechanical Engineering) (S. Chand Publications with ISBN 9788121940238)
Profile Link :	Scopus Profile: https://www.scopus.com/authid/detail.uri?authorId=57223995393 Google Scholar Profile: https://scholar.google.com/citations?user=blh_Ya4AAAAJ&hl=en Orchid Profile: https://orcid.org/0000-0003-3798-9804
H -Index:	03
i10-index	01
Product Developed:	---
Certifications :	1. Online certification course on Digital Teaching Techniques organized by ICT Academy 2. Online certification course on Electric Vehicle organized by ARAI Pune.
Awards/Appreciation/Achievements:	Best Teacher Award – 2021-22
Membership:	SAE INDIA, QCFI
Industrial Training :	One Week Industrial training at ASK Engineer’s Bhosari Pune
Resource Person /Expert Session/Jury Invited:	Expert session on Engineering Graphics at NCER Pune
Workshop/FDP/STTP attended(more than a Week):	1. STTP on Energy from Waste: Sustainable Approaches at IITB 2. ATAL FDP on Role of Mathematics in Future Technologies 3. ATAL FDP on Data Science and machine Learning with Python 4. ATAL FDP on Advanced Mathematical Techniques in Engineering and Technology 5. ATAL FDP on Computational Mathematics and Artificial Intelligence for Engineers 6. International symposium on Vehicle Crash Safety at MIT, Pune 7. FDP on Innovative Teaching - Learning Methods at KBTCOE, Nashik 8. FDP on Computational Tools and Techniques : Matlab at GCE Karad
Event Organized Inter department/Inter college/ Other recognized Industry/IIT’s/NPTEL/SPOKE N TUTORIAL/ etc. :	1. FDP on Emerging Trends in Refrigeration and Air Conditioning
Event Organized in Department:	
University level appointments:	1. SPPU Paper assessment 2. External examiner
Administrative Duties:	1. SAE India BAJA Coordinator, 2. National Service Scheme Member, 3. Departmental sports coordinator, 4. Departmental faculty & staff development committee member
Academics Duties:	SPPU OR/PR In charge, Senior Supervisor of SPPU Exam
Any Other	--

