



KDK College of Engineering, Nagpur
Department of Information Technology

1. Innovative/Special Contribution by the Faculty in 2021-22:

Sr. No.	Name of Faculty	Nature of Contribution	Particulars
1	Dr. Mrs S. P. Khandait	Reviewer for International Conference on Computational Intelligence and Computing Applications-21(ICCICA-21)	Organized by G.H.Raisoni College of Engineering Nagpur, INDIA Technically supported by AIP in association with GHR Lab and Research Centre, 18-19 June 2021
		Reviewer for 2021-IEEE International Conference on Computational Intelligence and Computing Applications-21(IEEE-ICCICA-21)	Organized by G.H.Raisoni College of Engineering Nagpur, INDIA Technically supported by IEEE Bombay section in association with GHR Lab and Research Centre, 26th -27th November 2021
		Session chair at International Conference –ICTTSE-2022	AICTE Sponsored ISTE approved International conference on Tech. Trends in Science & Engineering organized by Suryodaya College of Engineering, Nagpur, 25th Feb. 2022
		Active Local chapter – SPOC	by NPTEL IIT Madras, JAN-DEC-2021
		Copyright	Machine Learning based MAC protocol for Wireless Sensor Networks, Reg. No. : L-101473/2021 Dated: 06/04/2021(grant)
		Copyright	ADAPTIVE DATA TRANSMISSION SCHEME FOR TIME-CRITICAL APPLICATIONS IN WIRELESS SENSOR NETWORKS, Reg. No.: L-111522/2022 Dated : 31/01/2022(grant)
		Book Chapter	“ QoS Aware Machine Learning Algorithms for Real-Time Applications in Wireless Sensor Networks”, Conference paper First Online: 05 March 2021, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 700)
2	Prof. Y. D. Choudhari	Guest Lecture	“Recurrence Relation and Divide & Conquer Strategy”, 23/03/2022, Data Science, GHRIET, Nagpur.
		Guest Lecture	“Asymptotic notation and Algorithm Complexity in Data Structure”, 21/03/2022, Information Technology, NIT, Nagpur
		Book Published	“Software Project Management”, Technical Publication, September-21
		Copyright	Boiling controller alerts through Email, SMS and boiling features for boiling using Sensors, Internet of Things,L-107665/2021, 17/09/2021
		Patent	Boiling controller alerts through Email, SMS and boiling features for boiling using Sensors, Internet of Things, United states patent number 4,673,925, India patent application no. 790/MUM/05, 26/07/2021

		Patent	“Automated Empirical Tuning of Performance & Power consumption using function driven Dynamic Voltage Frequency Scaling (DVFS) in HPC systems for Scientific Workloads”, TEMP/E-1/45049/2021-MUM, 03/09/2021
3	Prof. S. S. Ganorkar & Prof. H. V. Gorewar	Patent	“A Device And A Method For Identifying A Disease And Infestation And Suggest Remedial Measures Using Machine Learning”, Indian Patent, Publication Date – 24/09/2021, Application No.202121037922 A
		Patent	“A Device for Identifying a Disease and Suggest ING through Machine Learning based Task Scheduling and UID an Effective Remedy to Treat a Plant”, Australian Patent, Patent number: 2021107088, The Commissioner of Patents has granted the above patent on 24 November 2021
4	Prof. R. R. Kolte	Patent	System and method for image processing Based GMI (Graded Motor Imagery), India patent application no. 202121060477, [Patent Application No.] TEMP/E-1/68645/2021-MUM, 24/12/2021.
		NPTEL	NPTEL Online Certification-Successfully completed the four week course “Python for Data Science”
		Certificate Course	Advanced Certificate Program in Data Science - International Institute of Information Technology Bangalore (IIITB) & upGrad



**Dr. Mrs. S. P. Khandait
(HOD, IT)**