Name of Faculty	Dr. PALLE KIRAN	
Designation	Asst. Professor	
Nature of Job/Appointment	Regular	
Date of Joining	24 – 06 - 2019	
E-mail	pallekiran_maths@cbit.ac.in	

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy	Awarded
M. Phil	Master of Philosophy	First
PG	M. Sc.	Second
UG	B. Sc. Computers	First

Work Experience	
Teaching	3 Years 8months
Research	6 Years
Industry	--
Others	
Area of Specialization	Fluid Mechanics, Chaos theory, Dynamical systems.
Professional Memberships	
Responsibilities held at Institution Level	1. Research coordinator: Department of Mathematics, CBIT, since 6 Dec 2019 to 30 June 2020.
Responsibilities held at Department Level	--
Research Guidance	--
Awards Received	1. NBHM Post-Doctoral Fellow (DAE) 2016-2019. 2. UTHM/PP/500-23/20 JID.3(2), March 2020
Courses Handled at Under Graduate / Post Graduate Level.	Engineering Mathematics, I, II, III
No. of Papers Published	National Journals – Nil; International Journals – 55 National Conference – 02; International Conference – 3
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	1. P. KIRAN. “NON LINEAR FLUID FLOW WITH MODULATION” ICAAM-2020. FEB 21-22. Organizer: Dept of Mathematics, Bharathiar University. 2. P. KIRAN. “NONLINEAR THERMAL INSTABILITIES IN FLUID LAYERS” FDP-Application of Fluid Dynamics and Advanced Materials” Aug- 24 to 28, 2020. Organizer: Dept of Applied Sci and Humanities, Bheemanna Khandre Institute of Technology, Bhalki.
No. of Books/Chapter Published with details	1. Book Chapter 1: P. Kiran, G-jitter effects on chaotic convection in a fluid layer. (2020). 2. Book. Condensed matter physics. ISBN 978-1-83880-554-8. 3. Book Chapter 2: P.Kiran, Nonlinear thermal instability in a fluid layer under thermal modulation. (2018) 4. Book. High-Performance Materials and Engineered Chemistry. ISBN 9781771885980 - CAT# N11917. Apple Academic Press
Details of Short-Term Training Programs /Faculty Development Programs /Seminars/Workshops / Other Trainings (Attended).	1. Significance of Matlab in applications of Engineering Technology, CBIT:- 26 June 2019 2. 5 Day online STTP on MATLAB based Teaching-Learning in Mathematics, Science & Engineering.18th to 22nd May 2020. 3. 5-Day’s ONLINE Short-term Training Program(STTP) on “Internet of Things (IoT) & its Applications in Industry. 8-12 June 2020, ADIK Institute of Technology. FDP 4. Data Science (by Electronics and ICT Academy NIT & CBIT) 5. A one week online faculty development program On “Outcome based education and NBA accreditation process” CBIT. 6. One weak faculty development program (online) “e-learning: Managing online classes and creating e-content” 8-12 June 2020, Anuradha Engg Colleges

7. FDP on LaTeX & Technical Report Writing.25 - 30 May, 2020. Kakatiya University
8. One Week Online International Faculty Development Program On Importance of Mathematics in Science and Technology. 25th – 29th June, 2020, GMRIT
9. One week online FDP, Entrepreneurship, Incubation and Innovation. 23– 29 June 2020
10. FDP on Stress Management & ICT Tools for effective Teaching Learning. 29th June to 5th July 2020, organized by Wellness Gurukul Academy.
11. ITFDP 889. 29th June – 3rd July, 2020**,** Dept of IT, Mizoram University.
12. Two week online faculty development program "On advanced concepts for developing MOOCS", Ramanujan College. 2nd July – 17th July, 2020
13. 5 days International Faculty Development Program on SCILAB, DIT University, Dehradun, Uttarakhand in association with IIT Bombay Spoken Tutorials. August 10 to 14, 2020

International/National Journals from the Year 2017

1. Palle Kiran[1], SH. Manjula[2], R. Roslan[3] (2020). The effect of modulation on heat transport by a weakly nonlinear thermal instability in the presence of applied magnetic field and internal heating. Int J of Applied Mathematics and Mechanics, 25., 01-22.
2. S.H Manjula, Palle Kiran and M.Ganeshwar (2020). The effect of thermal modulation on double diffusive convection in the presence of applied magnetic field and internal heat source. Int J of Applied Mathematics and Mechanics, 25., 01-28, (2020).
3. P. Kiran., (2020). Concentration modulation effect on weakly nonlinear thermal Instability in a rotating porous medium. J of applied fluid mechanics. 13(5), 1663-1674. SCIE Scopus DOI: 10.36884/jafm.13.05.30753
4. P. Kiran, BS. Bhadauria and R. Roslon (2020). The effect of throughflow on weakly nonlinear convection in a viscoelastic saturated porous medium, J of nanofluid, 9(1), 36-46. Scopus doi:10.1166/jon.2020.1724
5. P. Kiran and S.H. Manjula, (2020). Weakly nonlinear mass transfer in an internally soluted and modulated porous layer. Adv. Sci. Eng. Med. 12, 622–631. doi:10.1166/asem.2020.2566 Scopus
6. SH. Manjula & P. Kiran, (2020). Throughflow and gravity modulation effects on double diffusive oscillatory convection in a viscoelastic fluid saturated porous medium. Adv. Sci. Eng. Med. 12, 612–621. doi:10.1166/asem.2020.2565 Scopus
7. SH. Manjula, P. Kiran & BS. Bhadauria (2020). Throughflow and G-jitter effects on oscillatory convection in a rotating porous medium. *Adv. Sci. Eng. Med*.12, 01-11. doi:10.1166/asem.2020.2580. Scopus
8. P.Kiran[1*], SH Manjula[2] and R.Roslan (2020). The effect of gravity modulation on double Diffusive convection in the presence of applied magnetic field and internal heat source. *Adv. Sci. Eng. Med*. Vol. 12, 1–13. doi:10.1166/asem.2020.2576
9. P. Kiran, S.H. Manjula., P. Suresh & P.Raj Reddy (2020). The Time Periodic Solutal Effect on Oscillatory Convection in an Electrically Conducting Fluid Layer. AIPCP20-AR-ICAAM2020-00005 (2020) SCOPUS
10. S.H. Manjula., P. Kiran., S. Narayanamoorthy (2020). The Effect of Gravity Driven Thermal Instability In The Presence of Applied Magnetic Field and Internal Heating, AIPCP20-AR-ICAAM2020-00043. Scopus
12. SH Manjula, P.Kiran, R. Reddy, BS. Bhadauria (2020). The complex ginzburg landau model for an oscillatory convection in a rotating fluid layer, Int J of Applied Mathematics and Mechanics, 25, 75-91. DOI: 10.2478/ijame-2020-0006. Scopus
13. Kiran P. (2019). Vibrational effect on internal heated porous medium in the presence of chaos. Int J of Petrochemical Engg, 04, 13-23. doi.10.15406/ipcse.2019.04.00098
14. P Kiran, Y Narasimhulu, Internal heating and thermal modulation effects on chaotic convection in a porous medium, Journal of Nanofluids 7 (3), 544- 555 (2018)
15. P.Kiran (2019). Vibrational effect on internal heated porous medium in the presence of chaos, Int J Petrochem Sci Eng.;4(1):13–23
16. P. Kiran, Y Narasimhulu (2018). Weak nonlinear thermal instability in a Dielectric fluid layer under temperature modulation, Int Journal of Advanced Research Trends in Engineering and Tech, 5 470-476.
17. P.Kiran, S.H Manjula,Y Narasimhulu (2020). Weakly nonlinear oscillatory convection in a viscoelastic fluid saturated porous medium with through flow and temperature modulation, Int J of Applied Mechanics and Engineering 23, 01-28.
18. P.Kiran, S.H Manjula,Y. Narasimhulu (2018), Oscillatory convection in a rotating fluid layer under gravity modulation, Journal of Emerging Technologies and Innovative Research 5(8), 227-242.
19. S.H Manjula, P.Kiran, Y. Narasimhulu (2018). Heat transport in a porous medium saturated with variable viscosity under the effects of thermal modulation and internal heating, Journal of Emerging Technologies and Innovative Research 5(8), 59-75.
20. P.Kiran, Y Narasimhulu (2017). Centrifugally driven convection in a nanofluid saturated rotating porous medium with modulation. J of Nanofluid, 6(3), 513-523.
21. P.Kiran, B.S. Bhadauria, Y. Narasimhulu (2017). Oscillatory magneto- convection under magnetic field modulation, Alexandria Engg J, 57, 445-453.
22. P.Kiran, Bhadauria, B.S, Y Narasimhulu (2017). Nonlinear throughflow effects on thermally modulated rotating porous medium. J of Applied Nonlinear Dynamics 6, 27-44.
23. P.Kiran, Bhadauria, B.S, Y Narasimhulu (2017). weakly nonlinear and nonlinear magneto-convection

under thermal modulation, J of Applied Nonlinear Dynamics, 6(4), 487-508. Scopus
24. P.Kiran, Bhadauria, B.S (2017). Throughflow and rotational effects on oscillatory convection with modulation, Nonlinear Studies, 23(3), 439-455.
25. P.Kiran, K Geethanjali, Y Narasimhulu (2017). Chaotic Convection in the Presence of Throughflow, Int J of Pure and Applied Mathematics, 117 (11), 357-367.
26. P.Kiran, Y. Narasimhulu (2017). Weakly nonlinear oscillatory convection in an electrically conduction fluid layer under gravity modulation, Int J Appl. Comput. Math, 3(3), 1969–1983.
27. P.Kiran, BS Bhadauria (2017). Weak nonlinear rotating Bénard convection with modulation using Ginzburg-Landau model, Int. J of Science, Technology and Society, Vol 3, 48-57. DOI: 10.18091/ijsts.v3i01.10959