

B.Ch.Nookaraju (ID-324)

Associate Professor & HOD, Department of Mechanical Engineering.

Qualifications:

Ph.D (Pursuing)- Heat Transfer (JNTU-Hyderabad),

M.Tech – Thermal Engineering (NITC-Calicut, Kerala),

B.E - Mechanical Engineering (Andhra University, Visakhapatnam)

Experience: 13 Years

Research Interest: Heat Transfer, Electronics Cooling, Heat Pipes



RESEARCH PROJECT:

Completed Sponsored AICTE Project “**Thermal Hydraulics Of Heat Pipe Heat Sinks For Electronics Cooling Application Under Research Promotion Scheme (RPS).**” Worth 6.00 Lakhs 2012-2014. (Co-investigator)

Journal Publications:

International Publications

1. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, ‘Experimental and Numerical Analysis of thermal performance in Heat Pipes’, International Journal of Procedia Engineering, Vol.27, 2015, Pp: 800-808. Elsevier Publication.
2. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, ‘Thermal Analysis of Gravity Effected Sintered Wick Heat Pipe’, International Journal of **Materials Today: Proceedings**, Volume 2, 2015, Pp. 2179–2187. Elsevier Publication.
3. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, H Prasanth, C Pradeep‘ Experimental study on Sintered Copper Wick Heat Pipe at different Orientations’, International Journal of innovative Research in Advanced Engineering (IJIRAE), Volume 2, Issue 5, May 2015, Pp. 176–180. ISSN No.2349-2163 (**Impact Factor:1.893**)
4. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, T Sai Kiran‘ Experimental Investigations and Comparison of Heat Pipes’, International Journal of innovations in Engineering & Technology(IJIET), Volume 5, Issue 3, June 2015, Pp. 128–137. ISSN No.2319-1058 (**Impact Factor:0.672**)
5. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, ‘Experimental and Numerical Investigation on enhancement thermal characteristics of sintered wick heat pipe using water as fluid ’, International Journal of **Materials Today: Proceedings**, Accepted for Elsevier Publication.

International Conferences

1. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, ‘Experimental and Numerical Analysis of thermal performance in Heat Pipes’, International Conference on Computational Heat and Mass transfer (ICCHMT-15), National Institute of Technology, Warangal, India. 30 Nov- 2 Dec 2015, Code:1440054143
2. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, ‘Thermal Analysis of Gravity Effected Sintered Wick Heat Pipe’(ICMPC-2015) 4th International Conference on Materials Processing and Characterization”, Gokaraju Rangaraju Institute of Engg & Technology, Hyderabad, India, 14-15 March, 2015, Code: MT-137.

3. **B Ch Nookaraju**, PSV Kurma Rao, S Naga Sarada, 'Experimental and Numerical Investigation on enhancement thermal characteristics of sintered wick heat pipe using water as fluid ', Accepted for International Conference on Material Processing and characterization, ICMPC 2016, Gokaraju Rangaraju Institute of Engg & Technology, Hyderabad, India,

National Conferences:

1. "Analytical and Experimental Investigations on cooling of stacks of Electronic Printed Circuit Boards -A review", A National Conference in SVU, Tirupathi, August, 2004.
2. "Turbulence Cooling in Microelectronic Devices", International Conference in Indian Institute of Technology, Kanpur, 2005.
3. "Modeling of Electronic Circuit Boards for Low and High Reynolds Numbers", National Conference in CBIT Hyderabad, March, 2007.
4. "Turbulent heat and fluid flow analysis of array of heated blocks", National Level Technical symposium in SNIST Hyderabad, DEC 2008.
5. "Turbulent heat and fluid flow analysis of array of heated blocks in Electronic Enclosures", ASME International conference at IIT Kharagpur, Jan, 2014.

Workshops Attended and Conducted:

Year	FDP/Training Activities/Workshops/STTP's	Details
2015-2016	FDP on Advancements in MEMS and NEMS technologies at GRIET	19 th Nov – 21 st Nov 2015
	Faculty Development programme on "Human Values & Professional Ethics" at Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous), Bachupally and Hyderabad.	29 Dec, 2015.
	FDP on Guide to a Passionate teacher at GRIET	29 th Jun – 04 th Jul 2015
2014-2015	FDP on Additive Manufacturing at GRIET	25 th Mar – 27 th Mar 2015
	Two day Faculty Training programme at Usha International Ltd, Hyderabad, under Confederation of Indian Industry	8 - 9 January 2015.
	Two-week ISTE workshop on Fluid Mechanics conducted by Indian Institute of Technology Kharagpur & GRIET	20 th -30 th May 2014.
	Management Capacity Enhancement Programme" (MHRD's National Mission for Teachers and Administrators) held at Indian Institute of Management Indore	June 16 th - 22 nd , 2014.
2013-2014	Two-week ISTE workshop on Engineering Mechanics conducted by Indian Institute of Technology Bombay &GRIET.	26 th Nov- 6 th December 2013