

Name of Faculty	Mrs. Ch. Indira Priyadarsini		
Designation	Assistant Professor		
Nature of Job/Appointment	Regular		
Date of Joining	28 – 08 - 2006		
E-mail	priyadarshini_mech@cbit.ac.in		
Education Qualifications	<b>Name of the Degree</b>	<b>Class</b>	
	Ph. D	Doctor of Philosophy (Mechanical Engineering)	Pursuing
	PG	M. Tech. (Mechanical Engineering)	Distinction
	UG	B. Tech. (Mechanical Engineering)	Second
Work Experience			
	Teaching	14 Years	
	Research	--	
	Industry	--	
	Others	--	
Area of Specialization	Thermal Engineering		
Professional Memberships	SAE Member		
Responsibilities held at Institution Level			
Responsibilities held at Department Level	<ol style="list-style-type: none"> <li>1. Department newsletter in charge from 2011 to till date.</li> <li>2. Faculty Coordinator SAE-CBIT 2015 till date.</li> <li>3. Department website information in charge from 2018 to march 2020.</li> <li>4. ME Thermal Engineering program coordinator 2019 June to till date.</li> <li>5. Member, Course Expert Group</li> </ol>		
Research Guidance	--		
Awards Received	Best Teacher award-2018 by CBIT		
Courses Handled at Under Graduate / Post Graduate Level.	Renewable energy sources, Power plant engineering, Engineering research methodology, Computational fluid dynamics, Machine drawing, Labs: AutoCAD, CAD/CAM, CAPD (Solid works), CAE (Ansys APDL), CFD(Fluent).		
No. of Papers Published	National Journals –	International Journals – 32	
	National Conference – 02	International Conference – 10	
Projects Carried out	2 projects completed on Solar Electric Hybrid Car funded by TEQIPII (2.75 lacs), 2014		
Patents	--		
Technology Transfer	--		
Invited Speaker	--		
No. of Books/Chapter Published with details	<ol style="list-style-type: none"> <li>1. Finite Element Applications in Mechanical &amp; Civil Engineering, ISBN: 978-93-85518-11-9</li> <li>2. Alternative Liquid Fuels in IC engines ISBN: 978-93-85518-03-4</li> </ol>		
Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).	<ol style="list-style-type: none"> <li>1. Attended FDP on NBA Accreditation and teaching learning, Jan-April, 2020, by Swayam NPTEL, MHRD.</li> <li>2. Attended 7day webinar Series, 22-29 April,2020 by SAEINDIA and RIT in association with SAENIS Efficycle-2020.</li> <li>3. Attended Design, Simulation and Development of Unmanned Aerial Vehicles (Drones) and Applications in Various Engineering Sectors”, 30April- 4 May 2020, by NAFEMS in association with Rajarambapu Institute of Technology, Islampur, Maharashtra and Ramachandra College of Engineering, Eluru, Andhra Pradesh.</li> <li>4. Attended 3D Printing for Design and Advanced Development - Applications for Automotive Sector, Medical Devices, Missiles, Customized Gifts, Drones and Robots” 6-9 May, 2020 organized by NAFEMS in association with Rajarambapu Institute of Technology, Islampur, Maharashtra and</li> </ol>		

Siddaganga Institute of Technology, Tumkuru, Karnataka from 6 to 9 May, 2020.

5. Attended Global online Proficiency Improvement Programme (oPIP) on "Vehicle Dynamics & Control with MATLAB", 12-17 May 2020, jointly organized by ARAI, Pune in collaboration with Mathworks, AKAR International Pte. Ltd, Singapore & RIT, Sangli.
6. Attended FDP on Artificial Intelligence, 22-26 May 2020 by the Department of Information Technology, CMR Engineering College, Hyderabad, in collaboration with NYCI & Brainvision Solutions India Pvt. Ltd Supported by AICTE, IIC, ISTE and Institute of Engineers.
7. Attended CAE Driven product design, 23-27 May, 2020, organized by Altair Pvt. Ltd., SAENIS Efficiency, Automobile Engineering Dept., Rajarambapu Institute of Technology, KITS College, Maharashtra.
8. Attended FDP On Outcome based education and NBA Accreditation process (UG), 28 May to 1 June, by Chaitanya Bharathi Institute of Technology.
9. Attended A National level FDP on SCILAB Open source substitute for MATLAB, 25-30 May, 2020, by JNTUH Sultanpur, Spoken Tutorial Project- an initiative National Mission on Education through ICT, MHRD, Government of India, IIT Bombay, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching-Government of India.
10. Attended National Level One Week Online Short Time Training Program on " MATLAB for ALL" 4-8 June, 2020 organized by the Department of Electrical and Electronics Engineering, SIRM VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore.
11. Attended One Week STTP on, Implementation of Advanced Optimization Techniques using MATLAB, 1-6 June, 2020, Organized Under RIT-Center for Teaching and Learning (RIT-CTL).
12. Attended A National level FDP on MOODLE-Learning Management System (LMS), 10-15 June, 2020, by JNTUH Sultanpur, Spoken Tutorial Project- an initiative National Mission on Education through ICT, MHRD, Government of India, IIT Bombay, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching-Government of India.
13. Conducted FDP on Finite Element Applications in Mechanical & Civil Engineering. 23-28, Feb, 2017 as Coordinator.
14. Conducted Workshop on Alternative Liquid Fuels in IC engines. 17-18, Feb 2017 one of Coordinator.
15. Attended One-week FDP on Composite materials and industrial Applications, 20-25, March, 2017, CBIT-TEQIP-II
16. Attended One-week FDP on Finite Element Applications in Mechanical & Civil Engineering. 23-28, Feb, 2017 CBIT-TEQIP-II
17. Participated Workshop on Alternative Liquid Fuels in IC engines. 17-18, Feb 2017 CBIT-TEQIP-II

#### **International/National Journals from the Year 2017**

1. Ch.Indira Priyadarsini, T.Ratna Reddy, Rajesh chitimireddy, Strut flame holder performance for supersonic combustion using computational fluid dynamics, International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 3, Page No pp.631-635, DOI (Digital Object Identifier) - <http://doi.org/10.1729/Journal.23995>, IF:5.75, UGC: Thomson Reuters, Elsevier:Mendeley, July 2020.
2. T.Ratna Reddy, Ch. Indira Priyadarsini, Effect of Fin Cross Section on Shell and Tube Heat Exchanger using CFD, International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Volume 14 Issue 1 June 2020. Thomson Reuters, Web of Science: RID: G-4542-2016, UGC-47645, IF:4.012.2020.
3. Ch.Indira Priyadarsini, Sambaraju Abhiram, Rajesh chitimireddy, Ankur Shukla, Angle of Attack effect on NACA4404 used in remote-control fixed wing planes, IJARAR2004258, (E-ISSN 2348-1269, P- ISSN 2349-5138), Volume 7, Issue 2, DOI (Digital Object Identifier) - <http://doi.org/10.1729/Journal.23502>, IF:5.75, UGC: Thomson Reuters, Elsevier:Mendeley, April 2020.
4. Indira Priyadarsini, M.Shubhapradha, Design of Mini Tractor Cage Wheel For Wet Land Ploughing, International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Volume 13 Issue 1 February 2020. Thomson Reuters, Web of Science: RID: G-4542-2016, UGC-47645, IF:4.012.2020.
5. Ch.Indira Priyadarsini, Dr.M.V.S.Murali Krishna, Dr.P.Usha Sri, Analysis of Catalytic Converter Performance with Air Box using CFD Technique, International Journal of Management, Technology And Engineering, ISSN NO : 2249-7455, Volume IX, Issue I, JANUARY/2019.
6. Dr.T.Ratna Reddy, Ch.Indira Priyadarsini, A Akhil, Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower, International Journal of Management, Technology And Engineering, ISSN NO : 2249-7455, Volume IX, Issue I, JANUARY/2019.

7. Ch.Indira Priyadarsini, Sree Rama Murthy Surapureddy, Navneet Devda, Anish Madasu, Analysis of Chassis Frame for Solar Vehicle, ISSN NO : 2249-7455, Volume IX, Issue I, JANUARY/2019.
8. Ch Indira Priyadarsini, B Srujeeth Khanna, C Raviteja, Design and Analysis of Human Powered Vehicle, ISSN NO : 2249-7455, Volume IX, Issue I, JANUARY/2019.
9. Ch. Indira Priyadarsini, M.V.S. Murali, Krishna, Ipsita Mohanti, Y.Nagini, S. Narasimha Kumar and K.Kishor, Control of exhaust emissions from copper coated spark ignition engine with butanol blended gasoline with catalytic converter with different catalysts , volume No-37, Issue No- 4, Dec 2018,
10. Ch.Indirapriyadarsini, Dr.MVSMuralikrishns, Dr.P.UshaSri , Effect of copper coated piston on thermal and structural stability of four stroke SI engine combustion chamber, International journal of innovative research & studies, 2319-9725Vol.8, Issue5, May,2018, Thomson Reuters' Research ID : H-1397-2017 Indexed Journals SCOPUS SUGGESTED JOURNAL ID: 50E3CL07B9886F17, UGC approved journal Serial Number - 48273
11. Ch.Indira Priyadarsini, Tanveer Ahmead, Banoth Sathish, Venkata Prasad Goka, Design and Performance Analysis of Vapour Compression Refrigeration System using R12&R134a, International Journal of Management, IT & Engineering, ISSN: 2249-0558, Vol. 8 Issue 6, June 2018, Impact Factor: 7.119
12. Ch. Indira Priyadarsini , Chirra Keshava Reddy & M.V.S. Murali Krishna, Thermal analysis of slotted and drilled disc brake, ISSN 2348 – 8034 Impact Factor- 5.070, Global journal of engineering science and researches, 2018
13. Ch.Indira Priyadarsini, Effect of Slotted holes on performance of Disc BrakeInternational Journal of Current Engineering and Technology E-ISSN 2277 – 4106, P-ISSN 2347 – 5161 ©2018 INPRESSCO®, All Rights Reserved Available at <http://inpressco.com/category/ijcet>, Vol.8, No.1 (Jan/Feb 2018)
14. Ch.Indira Priyadarsini, V.Lakshmi Shilpa, A.Akhil, Velocity Effect On Wind Turbine Blade Using Cfd, ISSN: 2320-2882, NCESTFOSS Dec 2017.
15. Ch.Indira Priyadarsini, A.Akhil V.Lakshmi Shilpa, Flow Analysis Of Cooling Tower Using CFD, ISSN: 2320-2882, NCESTFOSS Dec 2017.
16. Ch.Indira Priyadarsini, TM Bindu, MVS Murali Krishna, P.Ushasri, Thermal Analysis of Piston Crown Coated with Copper, IJAR - 2249-555X, June2017, IF : 4.894 |IC Value : 79.96
17. Ch.Indira Priyadarsini, Naveen, Pratheek, Surya, Generation of electricity using exhaust gases, GJRA 2277 – 8179 Vol.36| Issue : 6June2017, IF : 4.547 IC Value 85.78.

#### **International /National Conferences from the Year 2017**

1. Ch Indira Priyadarsini, A Akhil, V Srilaxmi Shilpa, Non-premixed Combustion Analysis on Micro-Gas Turbine Combustor Using LPG and Natural Gas, Recent Trends in mechanical Engineering, Springer, Singapore, First Online12 January 2020, DOI[https://doi.org/10.1007/978-981-15-1124-0\\_6](https://doi.org/10.1007/978-981-15-1124-0_6)Publisher NameSpringer, Singapore, Print ISBN978-981-15-1123-3Online ISBN978-981-15-1124-0.
2. Ch.Indira Priyadarsini, Dr.M.V.S.MuraliKrishna,Dr.P.UshaSri, Analysis of Catalytic Converter Performance with Air Box using CFD Technique, ICMR-2019, OICIP, ISBN-978-93-87793-67-5, 4th International conference on multi disciplinary research, Feb-2019
3. Dr.T.Ratna Reddy, Ch.Indira Priyadarsini, A Akhil, Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower, ICMR-2019, OICIP, ISBN-978-93-87793-67-5, 4th International conference on multi disciplinary research, Feb-2019.
4. Ch.Indira Priyadarsini, Sree Rama Murthy Surapureddy, Navneet Devda, Anish Madasu, Analysis of Chassis Frame for Solar Vehicle, ICMR-2019, OICIP, ISBN-978-93-87793-67-5, 4th International conference on multi disciplinary research, Feb-2019.
5. Ch Indira Priyadarsini, B Srujeeth Khanna, C Raviteja, Design and Analysis of Human Powered Vehicle, ICMR-2019, OICIP, ISBN-978-93-87793-67-5, 4th International conference on multi disciplinary research, Feb-2019.
6. Ch. Indira Priyadarsini , Chirra Keshava Reddy & M.V.S. Murali Krishna, Thermal analysis of slotted and drilled disc brake , ICAME-2018, ISBN: 978-81-923800-1-8, Dec 2018.