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a) Name **Dr. B. Thanasekhar**

b) Date of Birth 15.04.1972

c) Academic qualifications BSc., MCA., ME(CSE), PhD

d) Areas of expertise GPU Computing and Deep Learning

e) Experience

Sr. No.	**Position held (Designation)**	**Place of work**	**Duration**	**Areas of work**
1	Assistant Professor (Selection Grade)	Anna University	2004 - 2020	Teaching

f) Awards received, if any

1 Certificate of Achievement – 2016, ACM – ICPC
2 Certificate of Achievement – 2011, ACM – ICPC

g) Publications

Books 1

Research papers 11

h) List of publications (Paper published during last 5 years)

1 Ashok Kumar P, Thanasekhar B, "Fault Tolerance in Multicore Processors using Redundant Multithreading", International Journal of Advanced Computational Engineering and Networking, published by ISSN: 2320-2106. Vol. 2, Issue 7, pp. 92 - 96 (2014)

2 Thanasekhar B, Mohammed Shalik I, "Metaheuristic Based Searching using GPUs with Ant Colony Optimization", International Journal of Applied Engineering Research, published ISSN : 0973 - 4562. Vol. 10, Issue 32, pp. 23370 - 23374 (2015)

3 Thanasekhar Balaiah, Ranjani Parthasarathi, "Exploiting GPU Memory Hierarchy for Accelerating a Specialized Stencil Computation", Concurrency and Computation: Practice and Experience, published by Wiley Blackwell. Vol. 29, Issue 21, pp. 1-18 (2017) https://doi.org/10.1002/cpe.4267

4 Aditya Natarajan, Thanasekhar B, Ranjani Parthasarathi, "Deep Learning Strategies for Predicting Iterative Stencil Computations" Poster Presentation at IEEE Conference on High Performance Computing, organised by HiPC, INDIA from 18-Dec-2017 to 21-Dec-2017

5 T. Balaiah and R. Parthasarathi, "Memory Aware Thread Aggregation Framework for Dynamic Parallelism in GPUs," 2018 Tenth International Conference on Advanced Computing (ICoAC), Chennai, India, 2018, pp. 182-189, doi: 10.1109/ICoAC44903.2018.8939085

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7 B. Thanasekhar, N. Gomathy, A. Kiruthika and S. Swarnalaxmi, "Machine Learning Based Academic Stress Management System," 2019 11th International Conference on Advanced Computing (ICoAC), Chennai, India, 2019, pp. 147-151, doi: 10.1109/ICoAC48765.2019.246831

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10 T. Balaiah, T. J. T. Jeyadoss, S. S. Thirumurugan and R. C. Ravi, "A Deep Learning Framework for Automated Transfer Learning of Neural Networks," 2019 11th International Conference on Advanced Computing (ICoAC), Chennai, India, 2019, pp. 428-432, doi: 10.1109/ICoAC48765.2019.246880

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