

# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

## Curriculum Vitae



### Brief Profile:

Dr. B. Chandrababu Naik is working as an Assistant Professor in the Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli from September 2022. He received his Ph. D degree in the area of Image Processing from Sri Venkateswara University, Tirupati in 2021. He received M. Tech degree with a specialization in Communication Systems (ECE) from Sri Venkateswara University, Tirupati in 2014. He received his B. Tech degree in Electronics and Communication Engineering from Sri Venkateswara University, Tirupati in 2007. His areas of interests are Image Processing, VLSI Design, and Microwave Antenna Design. He has offered his service as a reviewer in various National and International Conferences. He is a member of the IEEE.

1.	Dr. Bukke Chandrababu Naik
2.	Designation: Assistant Professor
3.	Office Address: Dept. of ECE
4.	Telephone (Direct) (Optional): Telephone :                      Extn (Optional): Mobile (Optional):    +91-7396065605, +91-7989673776
5.	Email (Primary): <a href="mailto:chandrababu@nitt.edu">chandrababu@nitt.edu</a> , Email (Secondary) : <a href="mailto:babunaikb@gmail.com">babunaikb@gmail.com</a> ,
6.	Field(s) of Specialization: Image Processing, VLSI Design, and Microwave Antenna Design.

### 7. Employment Profile

Job Title	Employer	From	To
Assistant Professor (Grade-II, 6000-AGP)	NIT-Tiruchirappalli	September 2022	Present
Associate Professor	Aditya College of Engineering, Madanapalle.	September 2021	September 2022
Associate Professor	Chadalawada	November-	September

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	Ramanamma Engineering College, Tirupati.	2020	2021
Assistant Professor	Sri Venkateswara College of Engineering, Tirupati.	June-2014	January-2016
Assistant Professor	Progressive Engineering College, Hyderabad	June-2007	June-2010

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	S. V. University Tirupati, A.P	2021		Image Processing
M.Tech	S. V. University Tirupati, A.P	2014	Distinction	Communication Systems
B.Tech	S. V. University Tirupati, A.P	2007	First	Electronics and Communication Engineering
Inter	St. Joseph Jr. College, Kadapa, A.P	2003	First	M.P.C
SSC	A.P.R School (BC), Srisailam, Kurnool, A.P	2001	Distinction	Math's, Physics, and Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

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### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2014	National Eligibility Test for Assistant Professor	UGC-NET

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2017-18	National Fellowship and Scholarship for Higher Education (NFST-2017-18)	UGC - NFST	01-04-2017	31-10-2020

### 13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

**For UG Level:**

- Electronic Devices and Circuits
- Electronic Circuit Analysis
- Analog Communication
- Digital Communications
- Linear IC Applications
- Electromagnetic waves & Transmission lines
- Antenna and Wave Propagation
- Control Systems
- Satellite Communication
- Cellular Mobile Communication

**For PG Level:**

- Digital Image Processing
- Advanced Digital Signal Processing

(iii) Projects guided at Postgraduate level

(iv) Other contribution(s)

### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

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15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
01 <sup>st</sup> – 06 <sup>th</sup> August, 2022	One Week Online Faculty Development Program on “Emerging Trends in VLSI Design & Practical Approach”	National	Speaker	Aditya College of Engineering	Madanapalle
20 <sup>th</sup> & 21 <sup>st</sup> April-2022	NAAC Sponsored NAAC Awareness Seminar on “Building Quality System in Higher Education Sector	National	Participant	Siddharth institute of Engineering & Technology	Tirupati
28 <sup>th</sup> - 30 <sup>th</sup> October 2021	A Three Day Workshop on CAREER DEVELOPMENT PROGRAM	National	Speaker	Aditya College of Engineering	Madanapalle
02 <sup>nd</sup> – 06 <sup>th</sup> August,	Faculty Development	National	Participant	Chadalawada Ramanamma	Tirupati

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2021	Program on “Recent Advancements in Computer Science and Technology			Engineering College	
15 <sup>th</sup> & 16 <sup>th</sup> November, 2019	Two-Day workshop on “Audit & Legal Aspects of Administration	National	Participant	Organized by Sri Venkateswara University College of Engineering.	Tirupati
01 <sup>st</sup> to 03 <sup>rd</sup> August, 2019	Three-Day workshop on “Sponsored Research, IPR & Entrepreneurship	National	Participant	Organized by Sri Venkateswara University College of Engineering.	Tirupati
27 <sup>th</sup> & 28 <sup>th</sup> July, 2019.	Two-Day workshop on “Signal Processing and Applications	National	Participant	Sri Venkateswara University College of Engineering,	Tirupati
April 29 <sup>th</sup> - 09 <sup>th</sup> May, 2019	Two Week Faculty Development Program on “Entrepreneurship	National	Participant	Sri Venkateswara University College of Engineering,	Tirupati
18 <sup>th</sup> February, 2017	One-Day workshop on “Institute- Industry- Interaction Cell	National	Participant	Sri Venkateswara University College of Engineering	Tirupati
24 <sup>th</sup> & 25 <sup>th</sup> January, 2017	Two-Day workshop on “Routing in Wireless Networks”	National	Participant	Yogananda Institute of Technology and Science	Tirupati
03 <sup>rd</sup> -7 <sup>th</sup> January, 2017.	International Level workshop on “104 <sup>th</sup> Indian Science Congress	International	Participant	Sri Venkateswara University	Tirupati
26 <sup>th</sup> – 31 <sup>st</sup> December, 2016.	Faculty Development Program on “Signals, Systems and Transform Techniques	National	Participant	Sri Venkateswara University College of Engineering,	Tirupati

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	Theory with MATLAB”				
14 <sup>th</sup> - 25 <sup>th</sup> November, 2016	Two Week Faculty Development Program on “L-band data processing for Remote sensing Applications and Numerical Weather Prediction	National	Participant	Sri Venkateswara University College of Engineering	Tirupati
22 <sup>nd</sup> - 27 <sup>th</sup> August, 2016	One Week National workshop on “Emerging Trends in VLSI & Signal Processing	National	Participant	Sree Vidyanikethan Engineering College	Tirupati
21 <sup>st</sup> -23 <sup>rd</sup> April, 2016.	National Level workshop on “Research methodology and Report Writing	National	Participant	Sri Venkateswara University College of Engineering,	Tirupati
20 <sup>th</sup> -21 <sup>st</sup> July, 2015.	Two-Day workshop on “Effective Research Methodology	National	Participant	Sri Venkateswara University College of Engineering,	Tirupati

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
One Week Online Faculty Development Program on “Emerging Trends in VLSI Design & Practical Approach”	National	01 <sup>st</sup> - 06 <sup>th</sup> August, 2022	Program Co-Ordinator	Aditya College of Engineering, Madanapalle.
One Day workshop on “APEX-2022	National	10 <sup>th</sup> , March 2022.	Program Co-Ordinator	Aditya College of Engineering,

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				Madanapalle.
One Day Online Webinar on “Science of Success	National	15 <sup>th</sup> , December 2021	Program Co-Ordinator	Aditya College of Engineering, Madanapalle.
A Three Day Workshop on CAREER DEVELOPMENT PROGRAM	National	28 <sup>th</sup> - 30 <sup>th</sup> October 2021	Program Co-Ordinator	Aditya College of Engineering, Madanapalle.
A Three Day Online Faculty Development Programme on “Research Trends & Practical Applications on Machine Learning and Deep Learning”	National	03 <sup>rd</sup> - 05 <sup>th</sup> June, 2021	Program Co-Ordinator	Chadalawada Ramanamma Engineering College, Tirupati.
A Two Day Workshop on EMERGING TRENDS IN SIGNAL PROCESSING USING MATLAB	National	18 <sup>th</sup> -19 <sup>th</sup> May, 2021	Program Co-Ordinator	Chadalawada Ramanamma Engineering College, Tirupati.

18. Invited Talks delivered

Topic	Date	Inviting Organization
CAREER DEVELOPMENT PROGRAM	18th-June-2021	Sree Rama Engineering College, Tirupati
Guest Lecture on Analog Electronics	31st-January-2020	Chadalawada Ramanamma Engineering College, Tirupati.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Dr. K. Vasu Babu, Dr. P. Srinivasa Rao, Dr. B. Chandrababu Naik, Dr. B. Ravi Kumar	Compact dual-band design and analysis of Half-circular U-shape MIMO radiator for Wireless Applications	Journal of Microsystem Technologies			2022	2.276
Dr. M. Hemalatha, Dr. B. Chandrababu Naik,	Detection and Comparative Analysis of Liver Disease Using Machine Learning Models	Turkish Online Journal of Qualitative Inquiry	12	711-718	2021	1.27
Chandrababu Naik Bukke and Prof. B. Anuradha	Extraction of Spread Surface Water Body using Supervised and Unsupervised Classification Techniques	International Journal of Recent Technology and Engineering	8	2345-2350	2020	0.675
Chandrababu	Flood	Journal of	11	58-65	2019	0.411



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Naik Bukke and Prof. B. Anuradha	Mapping Analysis for Unsupervised and Supervised Classification Using Sentenel-2 Images	Advanced Research in Dynamical and Control Systems				
Chandrababu Naik Bukke and Prof. B. Anuradha	Water Body Extraction Using Images From Two Different Satellites Over Chilika Lake	International Journal of Electronics Engineering	10	145-150	2018	5.1
Chandrababu Naik Bukke and Prof. B. Anuradha	Extraction of Water Body Area from High Resolution Landsat Imager	International Journal of Electrical and Computer Engineering	8	4111-4119	2018	1.616
Chandrababu Naik Bukke and Prof. B. Anuradha	Change Detection Analysis of Reservoirs and Lakes in Multi Temporal Landsat-7 (ETM+) data over the Indian Subcontinent during 2008-2018	International Journal of Engineering & Technology	7	122-127	2017	1.271
Chandrababu Naik Bukke and Prof. B. Anuradha	Speech Signal Denoising Using Different Wavelet Techniques	Journal of International Academic Research for Multidisciplinary	2	578-590	2014	1.39

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**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Chandrababu Naik Bukke and Prof. B. Anuradha	Time Series Analysis of Water Feature Extraction using Water Index Techniques from Landsat Remote Sensing Images	IEEE	478-482		Coimbatore	2019

**(C) Books & Monographs**

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number