

Faculty Profile - VTU FACULTY ID: 4GMEC0007954

Dr. Arun Kumar G

Professor

Department of Electronics & Communication Engineering
G.M. Institute of Technology, Davangere.



Vision

Holistic development of students for leadership in their fields in a caring and challenging learning environment by using cutting edge technology that produces competent engineers of today and tomorrow to serve the society.

Educational Qualifications

1	Ph.D. in E&CE @ VTU Belagavi.
2	MTech in Digital Communication & Networking (E&CE) @ U.B.D.T.C.E., Davangere.
3	BE in Electronics & Communication Engineering @ S.T.J.I.T., Ranebennur.
4	Diploma in Electronics & Communication @ Bapuji Polytechnic, Davangere.

Professional Details

Total experience: 10.5 years (Teaching:10.5, Industry:5)

Place working: GMIT, DAVANGERE.	-
Work place	Experience in years
R.Y.M.E.C. , Ballari.	0.5
Ministry of Man Power, IBRI college of Technology, Sultanate of Oman.	1.5
S.T.J.I.T., Ranebennur.	7.5
U.B.D.T.C.E., Davangere.	1

Academic / Book Publications

1	Dr. Arun Kumar G , Mrs. Spoorti J Jainar, Dr. T.C Manjunath, Dr. Nagaraja B.G, “ Basic Electronics ”, Subhas Publication, 2017, Bengaluru. ISBN: 9789383214891.
2	Dr. Arun Kumar G , Mrs. Spoorti J Jainar, Dr. T.C Manjunath, Dr. Purohit, “ Microcontroller & Its Application Theory ”, Subhas Publication, 2017, Bengaluru, and ISBN: 9789383214839
3	Arun Kumar G , “Design and Development of Embedded Web Server”, LAP Lambert Academic Publishing, GERMANY, and ISBN: 978-3-659-35069-6.

Academic / Research Publications

1	Arun Kumar G , Dr. T C Manjunath, “Control of vibrations in smart intelligent structures for a multivariable case using fast sampling”, International Research Journal of Engineering & Technology (IRJET), e-ISSN 2395-0056, p-ISSN 2395-0072, an ISO 9001-2008 certified journal, Vol. 3, Issue 2, Feb. 2016, Feb. 2016 issue	International Journal
2	Arun Kumar G , Dr. T.C.Manjunath, “Control of vibrations in smart intelligent structures for a multivariable case using periodic sampling”, IJSET - International Journal of Innovative Science, Engineering & Technology, ISSN 2348 – 7968, Vol. 3 Issue 2, February 2016, pp. 160 - 168.	International Journal
3	Arun Kumar G , Dr. T.C.Manjunath, “Development of DTSM for Controlling the vibrations of beams”, IJREAT International Journal of Research in Engineering & Advanced Technology, Vol. 4, Issue 1, Feb – Mar. 2016, pp. 18 - 25, ISSN: 2320 – 8791.	International Journal
4	Arun Kumar G , Dr. T.C.Manjunath, “Development of Discrete Output Feedback Sliding Mode Control for controlling the vibrations”, International Journal of Emerging Research in Management and Technology (IJERMT), ISSN: 2278-9359, Vol. 5, Issue 2.	International Journal
5	Arun Kumar G , Dr. T.C.Manjunath, “Control algorithm for SISO case using POF with modeling in Simulink”, International Journal of Engineering Technology and Computer Research, IJETCR, Vol. 4, Issue 1, January-	International Journal

	February-2016; pp. 41-50 , ISSN: 2348 – 2117.	
6	Arun Kumar G , Dr. T.C.Manjunath, “Control algorithm for SISO case using FOS with modeling in Simulink”, International Journal of Engineering and Computer Science IJECS, ISSN: 2319-7242, Vol. 5 Issue 02 Feb. 2016 pp. 15749 – 15754.	International Journal
7	Arun Kumar G , Dr. T.C.Manjunath, “Detection of best location for the placement of the piezo pair on the smart beams using FOS technique”, International Journal of Engineering and Innovative Technology (IJEIT), An ISO 9001:2008 certified journal, ISSN : 2277-3754, Vol. 5, Issue 8, Feb. 2016, Paper id IJEIT201601_4879.	International Journal
8	Arun Kumar G , Dr. T.C.Manjunath, “Detection of best location for the placement of the piezo pair on the smart beams using POF technique”, International Journal of Engineering Trends and Technology (IJETT), Paper id No. V32P211, Vol. 32, No. 2, Feb. 2016, e-ISSN: 2231-5381, ISSN: 2348-0918, pp. 58 – 64.	International Journal
9	Arun Kumar G , Dr. T.C.Manjunath, “Control of smart beams using H_{∞} to suppress vibrations”, Manuscript Number: IJETST 2310/A16, ISSN 2348-9480, Vol. 3, Issue 2, pp. 3551-3558.	International Journal
10	Arun Kumar G , Dr. T.C.Manjunath, “Experimental investigation of the vibration suppression of smart beams in the laboratory”, International Journal of Engineering Technology and Management (IJETM), Volume 3, Issue 1; January-February: 2016; Page No. 09-17, ISSN: 2394-6881, Journal Digital Identification Number: 01.2015-54764696.	International Journal
11	Irshad Ahmed Gorikhan, Arun Kumar G , Satvik Kusgur “An Enhanced Approach for Providing EES in Bluetooth Network”, International Journal of Science & Technology (ISSN 2321 – 919X), Volume 2, Issue 4, April-2014.	International Journal
12	Manjula Lamani, Arun Kumar G , “Detection and Localization of Text from Natural Images with a Hybrid Method”, International Journal of Science & Technology (ISSN 2321 – 919X), Volume 2, Issue 4, April-2014	International Journal
13	Arun Kumar G , Jagadisha N, Srinivasa Rao Udara, Spoorti J Jainar “Design and Development of Text-	International Journal

	independent Speaker Identification System”, International Journal of Advanced Studies in Computers, Science and Engineering, ISSN 2278 7917 , Page No 7-14, Volume 2, Issue 3, 2013.	
14	Jagadisha N, Arun Kumar G , Spoorti J.Jainar “Recognition Of Human Iris Patterns Using Gabor Wavelet Approximations for Biometric Verification”, International Journal of Asian Academic Research Journal of Multidisciplinary, ISSN: 2319-2801, Volume 1, Issue 11, Page No 20-28, July 2013.	International Journal
15	Pramila B, Arun Kumar G , Jagadisha N, Prasad M.R “Performance Improvement of PPM Algorithm”, International Journal of Engineering Inventions, ISSN: 2278-7461, Volume 1, Issue 2, Page No: 40-46, September 2012.	International Journal
16	Arun Kumar G , Dr. T.C. Manjunath, Jayaprakasha H., “Implementation of Embedded Web server using Tiny Encryption Algorithm”, International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, ISO 9001:2008 Certified, Volume 2, Issue 8, Page No 381-385, August 2012.	International Journal
17	Arun Kumar G , Pramila B., Hanumanth Raju R.K., “Porting Android to Arm for Wireless Data Encryption and Decryption”, International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, ISO 9001:2008 Certified, Volume 2, Issue 8, Page No 492-497, August 2012.	International Journal
18	Dr. Arun Kumar Gowdru, Dr. T C Manjunath, Spoorthi Jainar , Satvik M. Kusagur, “POF control of smart intelligent structures for an hollow composite beam”, Proc. of the IEEE Region 10 Conference (IEEE R10 HTC-2016), Dayalbagh Educational Institute, Agra, Uttar Pradesh, India, IEEE Conference ID 39702, paper id 122, Session 2C on 21st December 2016 at 17:15 hrs, Dec. 21-23, 2016.	International Conference
19	Spoorti J Jainar , Satvik M. Kusagur, Pavithra G., Dr. T.C. Manjunath, Dr. B.G. Nagaraj, Dr. Aun Kumar G., “Design & simulation of the workspace for a stationary robot system”, Proc. of the IEEE Region 10 Conference (IEEE	International Conference

	R10 HTC-2016), Dayalbagh Educational Institute, Agra, Uttar Pradesh, India, IEEE Conference ID 39702, paper id 119, Session 6A on 23rd December 2016 at 09:30 hrs, Dec. 21-23, 2016.	
20	Arun Kumar G , Dr. T.C.Manjunath, “Simulation of a discrete sliding mode controller for hollow composite structures to suppress the vibrations”, for the IEEE RACEM-2014, International Conference on Recent Advances & Challenges in Engineering & Management, Vidyalankar Institute of Technology Wadala, Mumbai on 3 rd & 4 th April-2014, in Collaboration with IEEE BOMBAY Section.	International Conference
21	Dr. T.C.Manjunath, Arun Kumar G , Arun Kumar k M, Spoorti JJainar “Development of Swarm Intelligence in Mobile Robotics Systems”, for the IEEE RACEM-2014, International Conference on Recent Advances & Challenges in Engineering & Management, Vidyalankar Institute of Technology Wadala, Mumbai on 3 rd & 4 th April-2014, in Collaboration with IEEE BOMBAY Section.	International Conference
22	Arun Kumar G , Dr. T.C.Manjunath, “Vibration Control of Smart Structures”, Proceedings of the International Conference on Structures Smart Structures and Systems in Engineering, Department of Electronics and Communication Engineering & IEEE Student Branch Saveetha Engineering College, ISBN : 978-1-4673-6241-2 March 28 – 29, 2013, Chennai, INDIA , Page No: 29-37.	International Conference
23	Arun Kumar G , Dr. T.C.Manjunath, “Link Co-ordinate system development for a dynamical system for control purposes”, Proceedings of the International Conference on Current Trends in Engineering and Management, (ICCTEM-2012), VVCE, Mysore, Karnataka, paper id EC_236, ISBN 978-93-5051-905-9, Page No: 459-463, 12-14 Jul. 2012.	International Conference
24	Arun Kumar G , Dr. T.C.Manjunath, “Development of the control system model (mathematical model) for an under-damped feedback control system”, Proceedings of the International Conference on Current Trends in Engineering and Management, (ICCTEM-2012), VVCE,	International Conference

	Mysore, Karnataka, paper id EC_235, ISBN 978-93-5051-905-9, Page No : 452-458, 12-14 Jul. 2012.	
25	Arun Kumar G , Dr. T.C.Manjunath, “Static Characterization of DAC”, Proceedings of the International Conference on Current Trends in Engineering and Management, (ICCTEM-2012), VVCE, Mysore, Karnataka, paper id EC_11, Page No: 297-301, ISBN 978-93-5051-905-9, 12-14 th July 2012.	International Conference
25	Arun Kumar G , Jayaprakasha H , Dr. T.C.Manjunath, “Examination Question Paper Leakage Prevention with Security Support”, Proceedings of the International Conference on Current Trends in Engineering and Management, (ICCTEM-2012), VVCE, Mysore, Karnataka, paper id EC_15, Page No: 302-305, ISBN 978-93-5051-905-9, 12-14 th July- 2012.	International Conference
27	Sheryas.B, Lakshaman Naika.R, Arun Kumar.G , “Network Intrusion Detection in Wireless Sensors Networks”, Proceedings of the International Conference on Computer Application-Networking. Edited by K Kokula Krishna Hari copyright ©2011 ICCA 2010 organizers. Published by Research Publishing: www.rpsonline.com.sg ISBN: 978-981-08-7301-1: doi: 10.3850/978-981-08-7301-1_1471.	International Conference
28	Shreyas B, Arun Kumar G , Chandini S P, Jayaprakasha.H “Clustering Based Web Access using Artificial Neural Networks”, Proceedings of the International conference on frontiers of computer science-2011, ICFOCS-2011, 7 th to 9 th August 2011, organized by Atria Institute of Technology, at National science seminar complex, IISC, Bangalore, ISBN No: 978-81-921929-0-1.	International Conference
29	Sangeetha B, Arun Kumar G , Satvik M Kusagur, “Plastic Surgery Face Recognition - A Granular Approach”, 7 th IETE ICon RFW-14 (IETE Conference on Radio Frequency, Wireless-2014) jointly organized with HKBK College of Engineering, Bangalore is scheduled for 8-10 May 2014 @ HKBK College of Engineering in Bangalore, Karnataka.	National Conference
30	Satvik M Kusagur, Arun Kumar G , Irshad Ahmed Gorikhan, “Smart Sensors Based on Multicast Routing”, 7 th IETE ICon RFW-14 (IETE Conference on Radio	National Conference

	Frequency, Wireless-2014) jointly organized with HKBK College of Engineering, Bangalore is scheduled for 8-10 May 2014 @ HKBK College of Engineering in Bangalore, Karnataka.	
31	Arun Kumar G , Dr. T C Manjunath, “Simulation of a Discrete Sliding Mode Controller for Hollow Composite Structures”, 6 th ISSS National Conference on MEMS, Smart Materials, Structures and Systems (conducted by IISC and Research & Development Engineers at Pune), Maharashtra, India, Sept. 6-7, 2013, Paper id 118.	National Conference
32	Arun Kumar G , Dr. T C Manjunath, Spoorti J Jainar, “Block Diagram of the Kinematic Modeling Process”, TEQIP Sponsored National Symposium on Instrumentation (NSI-38), Page No. 123, organized by Instrument Society of India, Department of Instrumentation, IISC Bangalore and Department of IT, E&C and E&E, B.V.B. VET, Hubli on 24 th -26 th October 2013 at B.V.B CET Hubli-580031.	National Conference
33	Arun Kumar G , Dr. T C Manjunath, Spoorti J Jainar, “Modeling of Mechanical System Using Jacobians”, TEQIP Sponsored National Symposium on Instrumentation (NSI-38), Page No. 124, organized by Instrument Society of India, Department of Instrumentation, IISC Bangalore and Department of IT, E&C and E&E, B.V.B. VET, Hubli on 24 th -26 th October 2013 at B.V.B CET Hubli-580031.	National Conference
34	Arun Kumar G , Dr. T C Manjunath, Spoorti J Jainar, “Determination of the Shapes of the Objects in Images using Special type of area descriptors”, TEQIP Sponsored National Symposium on Instrumentation (NSI-38), Page No. 138, organized by Instrument Society of India, Department of Instrumentation, IISC Bangalore and Department of IT, E&C and E&E, B.V.B. VET, Hubli on 24 th -26 th October 2013 at B.V.B CET Hubli-580031.	National Conference
35	Arun Kumar G , Dr. T C Manjunath, Dr. M S Nagaraj, “Unique Method of Obtaining Solution to the Reverse Problems in Robotics” Proceedings of the National Conference on Recent Advances In Electrical & Electronics Engineering, NCRAEEE 2013, Page No 92-97, organized by the department of E & E Engineering on June 17 th and	National Conference

	June 18 th , 2013 at UBDTCE, Davangere.	
36	Arun Kumar G , Dr. T C Manjunath, “Simulation of Detection of Objects Using C++ Language”, Proceedings of the National Conference on Recent Advances In Electrical & Electronics Engineering, NCRAEEE 2013, Page No 51-55, organized by the department of E & E Engineering on June 17 th and June 18 th , 2013 at UBDTCE, Davangere.	National Conference
37	Arun Kumar G , Dr. T C Manjunath, Dr. M S Nagaraj, “Dynamical Design of Robotic System Using Jacobean & Euler-Lagrange Models” Proceedings of the National Conference on Recent Advances In Electrical & Electronics Engineering, NCRAEEE 2013, Page No 23-27, organized by the department of E & E Engineering on June 17 th and June 18 th , 2013 at UBDTCE, Davangere.	National Conference
38	Arun Kumar G , Dr. T C Manjunath, “Development of Arm Equations for a Dynamical System”, Proceedings of the National Conference on Recent Advances In Electrical & Electronics Engineering, NCRAEEE 2013, Page No 196-200, organized by the department of E & E Engineering on June 17 th and June 18 th , 2013 at UBDTCE, Davangere. Arun Kumar G , Dr. T C Manjunath, “Interpretation of Obstacle Collision Free Path in 2 Dimensional Systems”, Proceedings of the National Conference on Recent Advances In Electrical & Electronics Engineering, NCRAEEE 2013, Page No 271-275, organized by the department of E & E Engineering on June 17 th and June 18 th , 2013 at UBDTCE, Davangere.	National Conference
39	Jagadish N, Prasad M R, Arun Kumar G , “Wormhole Attack Detection in wireless sensor Networks”, Proceedings of the National Conference on Computer Network NCFCTEA-2010, Page No. 208-213, organized by The Oxford College of Engineering. ISBN: 978-81-920012-0-3.	National Conference
40	Santosh Kumar D R, G Kavitha, Arun Kumar G , Kanyakumari, “Real Time ECG Data Transfer through GSM to the Doctor’s Computer”, Proceedings of the	National Conference

	National Conference on Convergence of signal processing, Communication and VLSI design” NCSCV10, Page No. 149-152, organized by SDM college of Engineering and Technology, Dharwad, Karnataka.	
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Awards / Achievements

1	Rashtrapati scouts in 1997
2	Rajya Puraskar in 1996

Workshops / Seminars / Conference organized / Conducted

1	One week workshop on “Research Methodology & Latex” @ R.Y.M.E.C., Ballari.
2	Two Days Workshop on “Artificial Neural Networks and its Applications” @ S.T.J.I.T., Ranebennur.

Workshops / Seminars / Conference attended

1	One week workshop on “Research Methodology & Latex” @ RYMEC, Ballari.
2	Four days workshop on “Advances in Biomedical Instrumentation for Quality Healthcare” @ UBDTEC, DAVANGERE.
3	Three – Day workshop on “Research Methodologies & Latex” @ K.S School of Engineering & Management, Bangalore (Organized by VTU e-Learning Centre, Mysore)
4	Three – Day workshop on “Research Methodologies” @ BVBCET, Hubli (TEQIP Sponsored).
5	Three – Day workshop on “International Conference on Transformation in Engineering Education” @ BVBCET, Hubli.
6	Two Week ISTE Workshop on “Signals and Systems” Indian Institute of Technology Kharagpur. National Mission on Education through ICT (MHRD).
7	One Week Workshop on “Wireless Networks and Testing” @ BVBCET, Hubli.
8	Two Week ISTE Workshop on “Analog Electronics” Indian Institute of Technology Kharagpur, National Mission on Education through ICT (MHRD).
9	One Week: FDP on “Mission10X Advanced workshop on learning approach” @ BIET, Davangere.
10	Two Week FDP on “Electrical Machine Control Based on DSP” @ SSEC Anekal, Bangalore.

11	Three days National Workshop on “Theory and Practical’s on Microcontrollers” @ NMIT, Bangalore.
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University responsibilities

1	Squad member in VTU examinations.
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Details of Academic e-Contents prepared

	Available @ http://www.scribd.com http://www.4-shared.eu http://www.citystudentsgroup.blogspot.in
1	Principles of Communication System
2	Basic Electronics
3	Analog Electronics Circuits
4	8051 Micro-controller applications
5	Linear IC’s and Applications
6	Analog communication
7	Digital Communication
8	Power Electronics
9	Embedded System Design

Membership details

LM-ISTE	57660
IETE	4377
IAENG	124743
IACSIT	80345338

Personal Details

Gender	Male
Date of Birth	15-10-1981
Email	
Contact detail	8095382275