

CV / Bio-Data / Profile



01. NAME	:	Dr. T.C. Manjunath
02. DATE OF BIRTH / AGE	:	06 - 02 - 1967 (Sixth Day of February, 1967) Age - 58+ yrs
03. QUALIFICATION UG / PG / Doctorate	:	B.E., M.E., Ph.D. (IIT Bombay) LM-ISTE, LM-ISOI, LM-SSI, LM-ISSS, LM-CSI, LM-IETE, LM-IAENG, LM-AMSI, LM-IMAPS, LM-ACCS, Ex-EC & GC Memb-IETE, Fellow-IIEM, Sr. Memb-IACST, Sr. Member-IEEE & IIE, Fellow-AIMEE, Fellow-IETE, Fellow-IE, Chartered Engineer.
04. Graduation / Post-graduation / Doctorate	:	NAME OF UNIVERSITY : B.E. (Bangalore University), 1989, RVCE, Bangalore M.E. (Gujarat Univ.), 1995, Govt. LDCE, Ahmedabad Ph.D. (IIT Bombay), 2007, Bombay, Mumbai
05. SEX / MARTIAL STATUS	:	Male / Married, having 2 daughters, Dr. Nidhisha M., ^{MMBS} (1999 - 27 yrs) & M. Nikhitha (2001 - 23 yrs)..... Special Child
06. NATIONALITY / RELIGION	:	Indian / Hindu
07. WIFE'S NAME	:	Mrs. K.G. Uma Manjunath (House Wife - 30/6/1970)
08. FATHER'S NAME	:	(Late) T.C. Channaveerappa
09. MOTHER'S NAME	:	(Late) Smt. T.V. Vijayamma
10. ADDRESS FOR COMMUNICATION (Residential Address : Bangalore, own house) Only	:	Dr. T.C. MANJUNATH House No. 391, 9 th Cross, 6 th Block, Nagarabhavi Second Stage BDA Layout, Nr. BDA Complex & KLE College, Bengaluru-560072, Karnataka State, India.
Office / College Address (Currently where working)	:	Dr. T.C. MANJUNATH Professor, CSE Dept - IoT CS & BCT, Research Dean (R & D) Rajarajeshwari College of Engg., Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-560074, Karnataka, India.
11. Email ids.	:	tmanjunath@gmail.com tmanju@iitbombay.org tmanjunath@rrce.org
12. Telephone Numbers (Contact purposes)	:	M : + 91- 9 4 4 9 8 2 0 3 6 1 (Whats'app BSNL) M : + 91- 9 5 9 1 0 7 1 9 6 7 (Whats'app Jio)
13. Unique Identification (UID) No. Aadhar card number	:	Aadhar No. 951114841298
14. Computer-Languages Known	:	C / C++ Programming, MSDOS, MS Office (Word, Power point, Excel, Visio) & Windows 95 / 98 / 2000 / XP / 7 / 8 / 10, Matlab (all versions), Scientific Work Place, Basic Linux & its utilities, Latex, Simulink, dSPACE Programming, Real Time Workshop, HTML, Front Page, Web-designing, Adobe

Photoshop, Corel Draw, Star office, Miktex,
Winedit, Latex, Adobe Pagemaker.

15. PAN No. : AAXPM7337B

16. PROJECT WORK DONE AT B. E., M. E. & Research (UG / PG / Ph.D.) LEVELs :

B.E. : “ Design, Manufacturing process, Testing of a SGBP with Design & Fabrication of an Automatic voltage Regulator (AVR) for the College Laboratory” guided by Dr. N. Radhakrishnan, Professor of Electrical Engg. Dept. of Rashtriya Vidyalaya College of Engg., Bangalore, Karnataka, India (1988-89).

M.E. : “ Design, Fabrication of a 8085 A Microprocessor based Mobile Robot with a Hand, 5 Degrees of Freedom (DOF) & an Ultrasonic Sensor ” guided by Prof. H. T. Kashipara, Professor of Electrical Engg. Dept. of L.D. College of Engineering & Prof. H.S. Mazmudar, Head, Electronics Dept., Physical Research Laboratory (P.R.L), Ahmedabad - 380015, Gujarat, India (1994-95).

Ph.D. : “Multirate Output Feedback Control of Cantilever Beams Using Smart Structure Concept” under the guidance of Dr. Bijnan Bandyopadhyay, Professor & Convener, Interdisciplinary Programme in Systems and Control Engineering, ACRE Building, IIT Bombay, Mumbai-400076, Maharashtra, India (2006-07).

17. OTHER EXAMINATIONS PASSED : Some of them are

- Junior (May 1982) English Typewriting --- Register No. 023542, Dt. 1-7-82, Inst. Code – A092, First Class.
 - Senior English Typewriting (May 1984) --- Register No. 004858, Dt. 12-7-84, Inst. Code – A092, First Class.
 - Commerce Institute Association of Karnataka (1981) : English speed test typing certificate - Ist Class (securing 91 % at the rate of 30 words per minute), No. 2988, Reg. No. 1491.
 - Hindi -- Prathama (1978) exam passed, Roll No. 280, Dt. 5-7-78 -- First Class from Dakshin Bharath Hindi Prachar Sabha (Madras).
 - Hindi -- Madhyama (1978) exam passed, Roll No. 311, Dt. 13-9-79 -- First Class from Dakshin Bharath Hindi Prachar Sabha (Madras).
 - Hindi -- Rastrabhasha (1979) exam passed, Roll No. 246, Dt. 25-11-79 -- Second Class from Dakshin Bharath Hindi Prachar Sabha (Madras).
 - Passed the 23rd Annual Senior United Nations (UN) Information Test from the Council of UN Information, United Schools Organization of India (from the UNO) in the year 1980 (30 Aug. 1980), Roll No. 52882.....received certificate of appreciation (1981).
 - Stood 2nd Rank in VIIIth Std. for the entire school in VVS High School (1977-78).
 - Stood 1st Rank in IXth Std for the entire school in VVS High School (1978-79).
 - Stood as a topper for the entire school in the Xth (SSLC) exam in VVS High School (1979-80), obtained merit certificate from the Govt. of Karnataka, Dt. 24-11-1982.
 - Completed a certificate oriented computer course from ISCoT (Int. School of Comp. Tech., B'lore) on the fundamentals of DOS, UNIX, C & C++ languages, Dt. 10-6-1996 (1996).
 - Completed a 8-week certificate oriented computer course (practical & theory) in basic computer programming from Computer Call, Malleswaram, B'lore, Dt. 30-11-1989 (1989).
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- etc.....
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18. COUNTRIES VISITED ABROAD (FOREIGN VISITS) : Some of them are

- Visited Singapore between the period 24th Sept. 2002 to 29th Sept. 2002 to present the Ph.D. research paper in the IEEE's Fourth Asian Control Conference.
- Visited Moscow, Russia between the period 27th January 2004 to 31st January 2004 to present the Ph.D. research paper in the third international conference on system identification and control problems, when the temperature of Moscow was -20°.
- Visited NASA, San Diego, Los Angeles, California, Hollywood, Disneyland, Pasadena (All in the United States of America, U.S.A) between the period from 12th March 2004 to 22nd March 2004 to present the Ph.D. research paper in the 11th Annual SPIE's symposium on smart materials, structures and systems at San Diego, California, USA.
- Visited Melbourne, Australia, between the period from 19th July 2004 to 27th July 2004 to present the Ph.D. research paper in the IEEE's Fifth Asian Control Conference.
- Visited Singapore between the period from 28th of September 2015 till 2nd of October 2015 (a 1-week training programme for the head of the institutions) in order to participate in the TEQIP-2 NPIU SPFU sponsored Temasek Foundation - NUS Programme for Leadership in University Management, a management / enhancement training programme at the institutional level @ the National University of Singapore, Singapore a 5-day International management academic research administrative workshop sponsored by the Govt. of India (MHRD-Ministry of Human Resource & Development), Technical Education Quality Improvement Programme (TEQIP) & World Bank initiative.

19. EDUCATIONAL / ACADEMIC QUALIFICATIONS :						
Sl. No.	Class / exam	Marks obtained	% age Marks obtained	Division / Class obtained	Year of Passing	School / Board / College / University Studied
01.	B.E.	$\frac{794}{1315}$	60.4	FIRST	July ' 89	R.V. College of Engg., Mysore Road, Bangalore-59, <i>Bangalore University.</i>
02.	M.E.	$\frac{1849}{2500}$	74.0	First Class with Distinction First Rank	Jan ' 95	Govt. L.D. College of Engg., Ahmedabad -15 , <i>Gujarat University.</i>
03.	Ph.D.	Coursework : GPA CPI - 8.13 Best Research Scholar Award for the year 2006-07			Apr ' 07	<i>Indian Institute of Technology Bombay, Powai, Mumbai - 76, India.</i>

20. MEMBERSHIP OF PROFESSIONAL BODIES (some of them are) : 30 Prof. Society Memberships

- Life member of the Indian Society for Tech. Education (ISTE) since 23.10.97, No. LM 24964.
- Life Member of the Instrumentation Society of India, ISOI, LM No. 1352 (04-01-2005)
- Life Member of the Systems Society of India, SSI, LM 25092, Reg. No. T-1302 / 97, 1997.
- Life Member of the Institute of Smart Structures and Systems, ISSS, LM 88, Dt. 14.12.2002.
- Life Member of the Computer Society of India, CSI # LM ID 00155463, Dt. 1.7.200
- Fellow & Life Member of Inst. of Electronics & Telecomm. Engg., F/LM-198408. (26.11.2007)
- Fellow of the International Institute of Education & Management, F-IIEM, New Delhi, 2013.
- IEEE member No. # 41561947, Ref. No. T 11968179 (from 2001 till 2012).

- i). Senior member of IEEE No. # 41561947 (since 2013).
- j). SPIE Student Member No. ID # 00825611 (for 4 years, 2005-07).
- k). IOP Student Member (Associate Member of Inst. of Physics), ID # 1097128 (for 3 yrs. 2004-07).
- l). Sr. Member of IACST Int. Association of Comp. Sci. & Info. Tech., Singapore, ID 80331350.
- m). Fellow-Institution of Engineers of India, FIE, F-117498-5, Regn. No. 120200470320. (2013).
- n). Chartered Engineer (CE) from the Institution of Engineers IE (I), CE No. F-117498-5, Regn. No. 026238 Dt. 14/1/2014.
- o). International Association of Engineers, IAENG membership number : 127305 (6/2/2013)
- p). FAMIEE, Fellow 202505, Dt. 8/2/25, AI-ML, Innovative Entrepreneurs & Engineers Association.
- q). :

21. EMPLOYMENT DETAILS : (WORK – EXPERIENCE-RESEARCH EXPERIENCE)

Academic / Teaching Experience :

Worked in various **Engineering Colleges** in Karnataka, Gujarat, Maharashtra, from Aug. 1989 to October 2024 as an Assistant Professor, Assistant Professor & incharge HOD, Professor & Head of the Department, Incharge Principal, Full-Time Principal & Director-Research, Full Time HoD and Full Time Professor.

Currently, working in Rajarajeshwari College of Engineering, Bangalore-74 as Professor of Computer Science & Engg. with specialization in IoT, Cyber Security & Blockchain Technology along with Research Dean (R & D) for the entire RRCE Campus, since 7/11/2024 till date

- Total Experience as **Principal** : **10+** yrs. approx.
- Total Experience as **Principal & Professor** : **10+** yrs. approx
- Total Teaching Experience as **Professor** : **18+** yrs. Approx
- Total Teaching Experience as **Professor & Dean (R & D)** : **01+** yrs. Approx
- Total Teaching Experience as **Professor & HoD** : **08+** yrs. Approx
- Total Teaching Experience as **Assistant Professor** : **17+** yrs. approx.
- Total Research Experience as **PhD Scholar@IIT Bombay** : **07** yrs. approx.
- Total Tchg / Acad / Res / Admin Experience (overall) : **35+** yrs. approx.

Research Experience :

- a) Worked as a Research Scholar in the Dept. of Systems & Control Engineering of IIT Bombay from January 2001 to April 2007 under Prof. Dr. Bijan Bandyopadhyay, Professor of Systems & Control Engg. Dept.
- b) Helped a few M.Tech. Students in Systems & Control Engineering Dept. of IIT Bombay for their PG projects & produced outputs (papers)
- c) Worked on the sponsored ISRO project, “Design of Launch Vehicle Autopilot using Fast Output Sampling Feedback Technique” and “Space Launch Vehicles”. The aim of the work was to design fast output sampling (FOS) controllers for stabilization of the short period dynamics of linearized practical launch vehicle models at various operating points when working as a Research Scholar / Project Assistant / Research Engineer in the Dept. of Systems & Control Engineering of IIT Bombay from July 2005 to April 2007 under Dr. B. Bandyopadhyay, Professor in Dept. of Systems & Control Engg., IIT Bombay.
- d) 4 KSCST Projects worth Rs. 28,500 Completed as main project guide
- e) 1 DST – TIH – IoT Project on Quantum Computing : Rs. 30.5 Lakhs as a Co-PI
- f) Helped many faculties to write proposals & submit it to various funding agencies

Total Research Experience : 6 years and 3 months (including Ph.D. Research)

22. SUBJECTS TAUGHT IN THE VARIOUS COLLEGES WHERE WORKED / WORKING :

Taught subjects like – AI, ML, DL, Control System Engineering, Robotics, Signals & Systems (CT & DT), Digital Signal Processing, Digital Image Processing, Electrical

Circuits & Networks - Analysis & Synthesis, Elements of Electrical Engineering, Mechatronics, Process Control & Instrumentation, Basic Electronics, Matlab Programming & their corresponding labs.

23. NATURE OF WORK DONE IN ACADEMIC & RESEARCH INSTITUTIONS (some of them implemented are) :

Held many administrative posts as Principal, HOD, Research Head, Faculty & simulataneously taught many of the Electrical, Electronic and Computer Engineering theory subjects, Incharge Principal when Principal is not there, Heading the department, Administrative works as done by the head of the department in all aspects, Preparation of new & new documentation files in the department, Conducting of departmental staff meetings time to time, ISO / NBA files preparation, updation, Handled various labs in the various colleges & doing departmental works & College work, Consultation work taken up by the college from industries, IA tests duties, Exam duties, Counseling the students, talking with their parents during the parents-teachers meeting, Motivating and helping the faculties in the department to do R & D work, publish papers, Doing university work & involving in Central Assessment Scheme (CAS), Paper setting, External examiner, Internal examiner, Moderator, Organizing the hobby club events of the department, Incharge of Time - Table, Incharge of College day functions, Sports activities, Arranging of seminars, conduction of staff meetings in the department, Conducting ISTE / IEEE / SPIE / AICTE / CSIR / IETE / SSI / ISOI sponsored courses, Conducting STTP courses, workshops (state level / national level), guest lectures / expert lectures, Presentation of seminars, Lab development, doing some consultancy work, industry-institute interaction, Development of laboratory manuals for performing the practicals, Project work guidance for polytechnic, B. E. / B. Tech. and M.E. / M. Tech. students, As external guide for guiding project works in other engineering colleges, Research and Development in systems & control engineering laboratory of IIT Bombay, Guiding Ph.D. students, As a Squad Chief / Chairman in VTU examinations, As Chief Superintendent & Deputy Chief Superintendent in the college for conducting VTU exams,....

etc...

24. SPECIAL ACHIEVEMENTS (some of them are) :

- Interviews appeared in various national newspapers like TOI, DH, IE, Hindu & Kannada dailies regarding my achievements, a no. of times relating to innovations developed.
- Name & Biography appeared in the 23rd edn. of Marquis Who's Who in the World in the year 2006.
- Developed many programs for the labs like Matlab, Robotics, Signal processing & prepared lab manuals.
- Was awarded with the "Best research scholar award in engineering discipline" for the academic year 2006-07 from the Research Scholars Forum (RSF) from Indian Institute of Technology Bombay (IITB). This award was presented in recognition of the significant contribution to the research in IIT Bombay.
- Instrumental in getting M.Tech. / Research centers where worked.
- Responsible for getting an AICTE grant of Rs. 10 Lakhs under MODROB scheme for the development of the Robotics & Mechatronics Lab in Fr. CRCE, Mumbai.
- Initiated & brought Rs. 9+ Crores grant till date in various colleges from colleagues where worked as administrative head out of which Rs. 30.5 Lakhs from DST.
- etc

25. SEMINARS / WORKSHOPS ATTENDED, PARTICIPATED, PRESENTED, COORDINATED-CONVENED / CONDUCTED (some of them are) :

- Attended, participated, coordinated, convened, organized a number of SSTPs, Seminars, CEP courses, Summer schools, Workshops, Technical fests, Int. & National Symposiums, QIP programs, Conferences, Certified courses, Training programs on various topics (all over India) in the colleges where worked till date.
- Given a large no. of invited talks, key-note lectures, speeches in various conferences all over India.

- Acted as chair persons, session chairs, judges in various places a no. of times in events & conferences all over India.
 - Got best paper awards a no. of times in various conferences, etc....
- 26. Publications in National & International Journals / Conferences / Symposiums / Books / Book Chapters / Patents / Monographs**
- Total No. of Paper Publications till date : **1500⁺** with one Monograph
- 27. Reviewer for National, Int. Conferences/Journals (some of them are) >500+ times**
- Reviewed many papers for national & international journals & conferences
- 28. Few Text-Books Published (widely selling all over India) : Total 25⁺ Nos. with revised editions till date, some of them are**
- Modeling, Control and Implementation of Smart Structures : A FEM - State Space Approach” by Bijnan Bandyopadhyay, T.C. Manjunath, M. Umapathy, *Research Monograph in Springer Verlag, Lecture Notes in Control and Information Sciences (LNCIS)*, March 2007, ISBN: 3-540-48393-4, Vol. 350, 2007, 115 Euro, Rs. 10K
 - Robotics, Jan. 2000, 1st Edn., Vipul Publishers, Mumbai, India, Pages, Rs. 100
 - Fundamentals of Robotics, Feb. 2007, 5th revised & enlarged edition, Nandu Publishers, Mumbai, pages 832, Rs. 400 /- (300+ solved selected questions and answers, 185+ solved drill problems, 1240+ viva-voce oral questions, a free CD containing 150+ programs in C / C++ and up to date university question papers solutions, chapter wise and useful robotic web-sites).
 - Fast Track to Robotics, Feb. 2007, 4th edition, from Nandu Printers & Publishers, Mumbai, 180 pages, Rs. 100 / -
 - Microcontrollers & Applications, 1st edition, 2017 from Subhas Publications, Bangalore, 200 pages, Rs. 200 / -
 - Basic Electronics, 1st edition, 2017 from Subhas Publications, Bangalore, 414 pages, Rs. 270 / -, ISBN 9789383214891.
 - Signals & Systems, 1st Edn., 2021, ISNT Publications, 300 pages, Prize Rs. 450/- ISBN 9789392045202.
 - etc, ***like this 25 text books published***
- 29. Robotic project works done in various engineering colleges where worked :**
- Designed, fabricated & implemented (with hardware & software) 50+ robotic projects of various natures in the colleges where worked.
- 30. Ph.D's produced : 10 Nos. (VTU) ; Guidance : 5 Nos. till date (guiding).**
- 31. Scopus Details :** Citations – 750, Indexed Documents – 320, H Index of 14
- 31. Google Scholar Details :** Citations – 16000+, i10 Index – 370+, H Index of 50+
- 32. Recent B.E. / B. Tech. / M.Tech. / M.E. projects done in various engg. colleges**
- Guided more than 300 B.E. / B.Tech. / M.E. / M.Tech. projects in the colleges where worked on different topics & all of them converted into research papers.*
- 33. Patents : >175 Nos. (Filed, Published, granted, mix of all)**

Dated : / / 2025
Place : B'lore, K'taka, India.

Signature
(Dr. **T.C. Manjunath**)