

CURRICULUM VITAE

Dr.PRADEEP K.R.

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Bangalore 560016,Karnataka,INDIA

OBJECTIVE

To obtain a teaching position where my computer science skills can be applied to help advance others. Having the objective of Motivation with talented professional driven, helping to inspire students to pursue academic and personal excellence to create a challenging and engaging learning environment in which students will become lifelong scholars and learners. Having a great enthusiasm to learn new things and ready to do the work honestly with full 'Devotion and Consistency'.

PROFESSIONAL SUMMARY

- Having total Teaching And industry experience of **13 years (11 years 3 months +1 year 6 months)**
- Member of Professional Bodies: MISTE LM-73561, MIE M-1573548.
- Presently working as an Associate Professor in Department of Information Science & Engineering in **BMS Institute of Technology & Management, Bangalore-560064** from Oct 2021 to till date.
- Worked as a an Asst Professor in Department of Artificial Intelligence and machine learning in **Don Bosc Institute of Technology, Bangalore-560074** from April 2021 to Sept 2021 (5 months).
- Worked as a Asst. Professor in Department of Computer Science & Engineering in **K.S. School of Engineering and management, Bangalore-560109** from July 2019 to April 2021 (1 year 10 months)
- Worked as an Asst. Professor in Department of Computer Science & Engineering in **K.S. Institute of Technology, Bangalore-560109** from July 2013 to Jun 2019. (6 years)
- Worked as an Asst. Professor in Department of Computer Science & Engineering in **K.S. Institute of Technology, Bangalore-560109** from Jan 2011 to Jan 2013. (2 years)
- Worked as a lecturer in Department of Information Science & Engineering in **Canara Engineering College, Mangalore** from Aug 2010 to Dec 2010. (5 months)
- Completed internship as a part of M. Tech curriculum in **Honeywell Technology Solutions Lab, Bangalore** from Sep, 2009 to June 2010.
- Worked as a Software Engineer in **M/s. NYKU SYSTEMS (www.nykusystems.com), Bangalore** from March 2007 to August 2008. (1 years 8 months)

Orcid ID : <https://orcid.org/0000-0002-9045-801X>

Scopus ID: 57201839788

Google Scholar Link: <https://scholar.google.com/citations?user=RzBpZd4AAAAJ>

EDUCATIONAL DETAILS

Examination	Institution	Division	Year
Ph.D. (Computer Science & Engineering)	Visvesvaraya Technological University, VTU RRC, Belagavi-590018, Karnataka, India	-	Dec 2020
M.Tech (Networking & Internet Engineering)	Sri Jayacharajendra College of Engineering, Mysuru-570017, Karnataka, India	FCD	2010
B.E (Information Science & Engineering)	Sri Siddhartha Institute of Technology, Tumakuru-572101, Karnataka, India	FC	2006

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2 nd PUC (Karnataka PU Board)	Sri Venkateshwara PU college, Hassan-573201, Karnataka, India	FCD	2001
S.S.L.C (X)	ST. Joseph's high school, Hassan-573201, Karnataka, ,India	FCD	1998

Subjects Handled

Managing Big Data, Machine Learning, Python Programming, Software Engineering ,Cloud Computing, DBMS, Programming in C and Data structures, Web Technology and its applications, Data Structures with C, Graph theory, Computer Networks, Operating System, C#.Net, Management & Entrepreneurship, Supply Chain Management, Data mining & warehousing, Discrete Mathematical Structures, File Structures.

National & International Journal Papers /Conferences Presented and Attended

1. Dr. Pradeep K R, "Improved Machine Learning Method for Intracranial Tumor Detection with Accelerated Particle Swarm Optimization" , Hindawi-Journal of Healthcare Engineering,03 Mar 2022, vol. 2022, Special Issue.(Web of Science indexed)
2. Pradeep K R, Dr. N C Naveen, "Optimized-Deep Neural Network (Op-DNN) Regression Technique for Lung Cancer Survivability Prediction", International Journal of Advanced Science and Technology, IJAST, vol. 29, Issue no. 3, pp. 4754 - 4772, Mar. 2020, <http://sersc.org/journals/index.php/IJAST/article/view/5689>. (Scopus Indexed)
3. Pradeep K R, Dr. N C Naveen," OP-DNN: Lung Cancer Survivability Prediction using Novel Optimized-Deep Neural Network Classification Method "International Journal of future Generation Communication and Networking, IJFGCN, vol. 13, Issue no. 3, pp. , May. 2020, <https://sersc.org/journals/index.php/IJFGCN/article/view/16029/8047>.(Web of Science indexed).
4. Pradeep K.R, Naveen N.C, "A Framework for Lung Cancer Survivability Prediction Using Optimized-Deep Neural Network Classification and Regression technique", International Journal of Computer Sciences and Engineering, Vol.07, Special Issue.13, pp.57-66, 2019. (UGC Listed)
5. N Namratha, Harshitha Chaithra,S ,H,M, S Kruthika, K R Pradeep "Disease prediction – Breast Cancer In Women using Machine Learning Classification Techniques", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 4, page no.485-490, April-2019, Available :<http://www.jetir.org/papers/JETIR1904P77.pdf>. (UGC Listed)
6. R Prerana, P Shreya, S, M Ashwini, KR Pradeep, "Predictive Analysis of Soybean Crop Yield", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 4, page no.86-89, April-2019, Available: <http://www.jetir.org/papers/JETIR1904P15.pdf>. (UGC Listed)
7. Ashwath Gangadhar Hegde, Avinash V, Pradeep K R, "Survey on automated detection of referable Diabetic Retinopathy using machine learning", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN: 2456-3307, Volume 3 Issue 3, pp. 1385-1388, March-April 2018.Journal URL: <http://ijsrcseit.com/CSEIT1833443>. (UGC Listed)
8. Achyuth SR, Apeksha, Pradeep K R, VOL. 6 ISSUE 1 JAN.-MAR. 2018 "A Review of Lung cancer Prediction System using Data Mining Techniques, Logistic regression, SVM and Naïve Bayes machine learning algorithms", International Journal of Research in Electronics And Computer Engineering (IJRECE), PP:506-510. (UGC Listed)
9. Ankitha D S, Deepika D V, Pradeep K R, April 18 Volume 4 Issue 4, "A Review on Predictive Analysis for Diabetic Blood Glucose and Reduction of over fitting in Diabetes using Deep Learning Neural Network", International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE), PP: 747 – 750. (UGC Listed)
10. Bhavana N, Meghana S Chadaga, Pradeep K R, "A Review of Ensemble Machine Learning Approach in Prediction of Diabetes Diseases", March 18 Volume 4 Issue 3, International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE), PP: 463 – 466. (UGC Listed)

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11. KR Pradeep, DR Naveen N C, "Lung Cancer Survivability Prediction based on Performance Using Classification Techniques of Support Vector Machines, C4.5 and Naive Bayes Algorithms for Healthcare Analytics", Elsevier Procedia Computer Science 132, 412-420. <https://doi.org/10.1016/j.procs.2018.05.162>. (Scopus Indexed)
12. Pradeep K R, Dr. Naveen N C, "A Collective Study of Machine Learning (ML) Algorithms with Big Data Analytics (BDA) for Healthcare Analytics (HcA)", in International Journal of Computer Trends & Technology (IJCTT), Vol.No. 47, Issue No-3, pp149-155, May 2017, DOI 10.14445/22312803/IJCTT-V47P121ISSN: 2231-2803. (UGC Listed)
13. Arjun Sharma, Karthik G S, Nidhi Mittal, Sindhu V L, Pradeep K R, "A Review on Predictive Analysis for Lung Cancer Survivability Rate Based on Naive Bayes and Classification Tree Algorithms", National Conference on Networking, Image Processing and Multimedia (NaCoNIM 2K17), K.S. Institute of Technology, Bengaluru-109
14. Arjun Sharma, Karthik G S, Nidhi Mittal, Sindhu V L, Pradeep K R, "A Survey on Predictive Analysis of Cancer Survivability Rate Using Machine Learning Algorithm", International Journal of advance research in Science and Engineering (IJARSE), pp 144-151, Vol.No.6, Issue No. 04, April 2017, ISSN (0)2319-8354 (UGC Listed)
15. Pradeep K R, Dr. Naveen N C, "Predictive Analysis of Diabetics Using J48 Algorithm of Classification Techniques" 2nd International Conference on Contemporary Computing and Informatics (ic3i), ISBN: 978-1-5090-5255-4, IEEE Xplore Digital Library, pg. 368-373, Dec 2016. DOI:10.1109/IC3I.2016.7917987. (x Indexed)
16. Pradeep K R, Dr. Naveen N C, "Securing Big Data Using Natural Computing Techniques", in the National Conference on "Technological advancement in Computing" NCTAC-2014.
17. Suresh P. Maria Navin, Pradeep K R., "A Comparative Analysis of different Scheduling Algorithm for Different Real Time Operating Systems" International Journal of Engineering Research and Technology Vol. 1 (02), 2012, ISSN 2278 - 0181.
18. Suresh P. Maria Navin, Pradeep K R., "Implementation of OpenSSL API's for TLS 1.2 Operation", International Journal of advance Computer Research (IJACR), Volume-3, No-3, Issue-12, Sept-2013 published under Association of Computer, Communication and Education for National Triumph Society (ACCENTS), India. (UGC Listed)

Book Publication

1. Dr. Pradeep K R. (2021). *Security Architecture for At-Home Medical Care Using Wireless Sensor Network* (1st ed.). Lambert Academic publishing, Germany (<https://www.lap-publishing.com>) ISBN 978-620-3-41152-2, Published on:17/02/2021.

Patents

1. Dr. Pradeep K R. [Food Safety Warning System.] [India- 202141001792,] filed [14/01/2021] and issued [22/01/2021.]
2. Dr. Pradeep K R, [Wild life intrusion detection system empowered with Artificial intelligence.] [AUSTRALIA- 2021100064,] filed [06/01/2021] and granted.
3. Dr. Pradeep K R. [Traffic Police Occupational Stress Model And Coping Strategies Thereof.] [India- 202141015753,] filed [02/04/2021]
4. Dr. Pradeep K R, [Traffic Police Occupational Stress Model And Coping Strategies Thereof.] [AUSTRALIA- 2021103284,] filed [10/06/2021].

Online Courses Completed

Course Name	Institution Name	Date	Duration
Introduction to Data Science in Python	Coursera-University of Michigan	10/8/2020	4 weeks
Natural Language Processing with Classification and Vector Spaces	Coursera -deepLearning.ai	11/8/2020	4 weeks
Microsoft excel: Complete Guide 2020	Udemy	25/5/2020	6 hours

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Reviewer

1. Journal of Medical Internet Research: JMIR - JMIR Publications, Toronto, Canada.
2. BMJ. Health & Care Informatics, London, UK.
3. Journal of Computational Methods in Sciences and Engineering (JCMSE) of IOS Press.

Awards and Recognition

1. Received I2OR Promising Researcher Award 2017 in the field of Big Data, Machine Learning, Data Mining.
2. Received Green ThinkerZ Emerging Researcher Award 2017 in the field of Computer Science Engineering.
3. Received best paper award in 2nd International Conference on Research in Business Management and Information Technology(ICRBIT-19) held at RNSIT, Bangalore, for the paper titled "A Framework for Lung Cancer Survivability Prediction Using Optimized-Deep Neural Network Classification and Regression technique"

Webinars Attended

1. Attended one day webinar ,28/05/2021 on "An Introduction to Engineering Applications of Artificial Intelligence (EAAI) and the IFAC Family of Journals: a Webinar for Authors and Editors of the Future" organized by Elsevier-Researcher Academy On Campus.
2. Attended One day Webinar,15/05/2021 on "BLOCKCHAIN : A New Technology of Trust Powered by Cryptography" organized by IEEE KSSEM.
3. Attended One day Webinar ,15/07/2020, on Overview and usage of Model View Controller in web application organized by Bengaluru Technological Institute, Bengaluru.
4. Attended One day Webinar, 26/05/2020 on IOT Stack-End to End security considerations Organized by Cambridge Institute of Technology, Bengaluru.
5. Attended One day Webinar, 25/05/2020, on Data science workshop-Face detection Organized by Coding Blocks.
6. Attended one day Webinar, 2/6/2020, on Issues and challenges in cyber security organized by Don Bosco Institute of technology, Bengaluru.
7. Attended two-day Webinar, 29/05/2020 to 30/05/2020, on Data science & Machine Learning Project -Architecture &Functional Overview and Overview of High-performance Computing organized by Don Bosco Institute of technology, Bengaluru.
8. Attended webinar ,29/05/2020, on Artificial Intelligence and Machine Learning organized by Geethanjali Institute of Science and Technology, Nellore.
9. Attended one-day Webinar, 30/07/2020, on Dealing with Uncertainties in Data Processing: from Probabilistic and Interval Uncertainty to Combination of Different Approaches, with Application to Geoinformatics, Bioinformatics, and Engineering organized by Machine Intelligence Research Labs (MIR Labs), USA
10. Attended one day Webinar, 20/07/2020, on Granular Mining in Video Analytics organized by Machine Intelligence Research Labs (MIR Labs), USA
11. Attended Webinar ,20/07/2020, on Ambient Intelligence: Convergence of Technologies For Smart Living organized by Machine Intelligence Research Labs (MIR Labs), USA.
12. Attended one day Webinar on Data Science, 22/06/2020, organized by Sai Vidya Institute of Technology, Bengaluru.

Workshop and FDPs Attended

1. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Bare Metal Programming And Real Time Operating System Programming" from 13/12/2021 to 17/12/2021 at BMS Institute Of Technology And Management,Bengaluru-64.
2. Participated and Successfully completed One Week AICTE - VTU Joint Training Programme for Teachers on "An Overview of Teaching Techniques in Innovation & Design Thinking" on 6th to 10th

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- December 2021 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101
3. 5-Day Online FDP from 23/08/2021 to 27/08/2021 in Quantum Information Systems and Machine Learning, organized by Dept of CSE, ISE and MCA ,MSRIT ,Bangalore.
 4. 5-Day Online FDP from 02/08/2021 to 06/08/2021 in Emerging Trends in Computation in association with Cisco Systems (India) Private Limited, Bangalore, organized by Dept of CSE, ISE and MCA ,MSRIT ,Bangalore.
 5. Five days FDP from 10/05/2021 to 14/05/2021 on Research Innovation in Computer Vision, organized by Kings Engineering College, Chennai.
 6. AICTE Sponsored One week online Short Term Training Program(Phase-2) from 26/04/2021 to 01/05/2021 on Data Analytics in Machine Learning Techniques organized by Sri Venkateshwara College Of Engineering Vidyanagar, Bangalore-562157.
 7. AICTE - (ATAL) sponsored one-week FDP from 09/01/2021 - 11/01/2021 on " BLOCKCHAIN ", JSSATEB, Bengaluru-60.
 8. Seven days FDP from 02/07/2020-08/07/2020 on Moodle Learning Management System, by Spoken Tutorial IIT, Bombay, in association with Government arts and Science College, Thiruvannainallur.
 9. Five days FDP from 26/06/2020- 30/06/2020. on Android App Using KOTLIN by Spoken Tutorial IIT, Bombay in association with Green Thinkerz.
 10. Five days FDP from 04/06/2020 - 08/06/2020 on NBA and NAAC Accreditation Process organized by M S Ramaiah Institute of Technology, Bangalore.
 11. Two days FDP on "Embedded system Design and Internet of things (IOT)" , 04/02/2020 to 05/02/2020 held at RRIT, Bengaluru
 12. Attended one day Workshop, 08/02/2020, on introduction to R and data Science organized by KSSEM, Bengaluru
 13. Two-Day Faculty Development Program from 03/01/2020 to 04/01/2020 on "Problem Solving with Python" held at K. S. Institute of Technology, Bengaluru.
 14. FDP on VmWare Academic Initiatives at VMWare, Bengaluru, on 03/10/2018.
 15. Six days Workshop on "Machine Learning" July 09th 2018 to July 14th 2018, organized by SJBIT, Dept. of CSE, Bengaluru.
 16. Two days National Symposium on Data Science and Statistics – Trends and Challenges, July 4th and 5th 2018 organized by Department of CSE, JSSATE, Bengaluru 4/7/2018.
 17. Five days FDP on "DATA SCIENCE USING PYTHON", Jan 08th 2018 to Jan 12th 2018, Organized by Dept. of CSE, ISE and MCA of DSATM, Bengaluru, In association with LINIKODEZ Pvt.Ltd. Bengaluru.
 18. Two days National seminar On DATA SCIENCE AND ANALYTICS, Nov 2017, organized by Department of Computer Applications, PES University, Bengaluru.
 19. One day Workshop on "IoT and Cloud Computing - The Coexistence", Oct 2017, Organized by ISM UNIV, Bengaluru.
 20. One day FDP on "IEEE Workshop on AI and Deep Learning.", September 2017 Organized by IEEE, Bangalore & Mumbai section in association with Philips India Pvt.Ltd.
 21. One day workshop on Intellectual Property Rights for MSME, Aug 2017 organized by JSSATE, Bengaluru.
 22. Four days FDP on Raspberry Pi and its Applications in IoT, Jan 2017, organized by KSIT, Bengaluru.
 23. One day FDP on Cloud, Hybrid cloud, NPTEL, organized iON Pride, TCS, Jan 2017 Bengaluru by Bengaluru.
 24. One day workshop on Emerging Technologies, Sep 2016 organized by VTU Regional center, Bengaluru.
 25. Two-day national workshop on Accreditation Process for Technical Institutions, Aug 2016 organized by JSSATE, Bengaluru.
 26. One day workshop on Big Data Analytics for Health Care, Aug 2016 organized by Dayananda Sagar University, Bengaluru.
 27. One day FDP on Cloud computing digital learning, NPTEL, organized iON Pride, TCS, May 2016, Bengaluru.
 28. One day FDP on R & D Funding Opportunities and IPR, March 2016, organized by KSIT, Bengaluru.
 29. One day FDP on Writing Research Proposals, Feb 2016, organized by KSIT, Bengaluru
 30. Two-day workshop on IOT as a part of CXC Program, Oct 2015, organized by KSIT, Bengaluru.

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31. Two-day workshop on "Managing Big Data" , April 2015 ,organized by Nitte Meenakshi Institute of technology, Bengaluru -64.
32. One day FDP on Enhancing Digital Skills on Adobe's Best-of-Breed Creative Tools", June 2015, organized by KSIT, Bengaluru.
33. Two-day FDP on "Mobile Application Development on Android Platform", Jan 2015 organized by Jyothy Institute of technology, Bengaluru -82.
34. One-week FDP on "IT Infrastructure Management Services", Jan 2015 organized by B.N.M. Institute Of technology, Bengaluru -70.
35. Two days FDP on "Teaching & Learning Practices, Research Methodology and Writing Project Proposals" Jan 2011 organized by KSIT, Bengaluru-109.
36. One day FDP on Aerospace Vehicles organized by KSGI, Bengaluru, Feb 2011.
37. One day Workshop on parallel programming & concepts, Sept 2010, organized by Shayadri Institute of Technology, Mangalore.

Guest / Invited Lectures

1. Given session talk in The two days' workshop on Applied Artificial Intelligence and Machine Learning held on 4 th March 2022 and 11 th March 2022, BMS Institute Of Technology And Management,Bengaluru-64.
2. Invited as a Guest Lecture for Machine learning Techniques in EWCE, Bengaluru on 15/11/2018.
3. Invited as a Guest Lecture for Workshop on Machine learning in EWIT, Bengaluru on 3/11/2018.

Extra Curricular activities and achievements

- Coordinator for ATAL sponsored 5days FDP on "Industrial internet of things(IIOT) and Transition to Internet of Brain (IOB)" In DBIT TO be held in Sept 20th to Sept 24th 2021
- Dept. NBA Co-Ordinator, NAAC-IQAC Co-Ordinator for KSIT and KSSEM.
- Mentor for Smart India Hackathon 2019, Ministry of HRD, Govt of India for the team name Double Helix held at SKCET, Coimbatore march, 3rd and 4th March 2019.
- Coordinated as publicity committee head in Sentinel Hack a 24hr state level Hackathon, KSIT, November 2018.
- Guided KSCST funded project in in SPP_42 series 2018 tilted Disease prediction - breast cancer using machine learning granted rupees 3500/- and was completed in given time.
- Conducted the one-day certification event held on VMWare- Introduction to Virtualization in KSIT for 3rd sem CSE students in support of CSI Student chapter held on 10th Oct 2018.
- Assisted to Dr Naveen N C in completion for VGST K-FIST L1 funded project titled "Hybrid Real Time intrusion detection system" in the year 2014-2016.
- Guided KSCST funded project in SPP_39th series 2016 titled "Predictive analysis of Diabetes using Classification Techniques "granted rupees 3000/- and was completed in given time.
- Organized National Conference on Networks, Image Processing and Multi-Media (NACONiM -2) April 2014.
- Organized National Conference on Networks, Image Processing and Multi-Media (NACONiM-1) Oct 2012.
- Organized and proactively participated in college cultural activities.

TECHNICAL SKILLS

Languages	:	C, C++, VC++, MFC, C#, UNIX and Python
Database	:	Oracle 10g
Web Technology	:	ASP.NET, HTML, XML, Jscript, PHP
Application Servers	:	IIS Server 8.5
IDE	:	Visual Studio 2019

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INDUSTRY PROJECT DETAILS

Project - 1:

Title	MY CASE DIARY
Client	M/S MYCASEDAIRY.COM
Technologies used	C#,ASP.NET, (VS 2005),XML,MS-SQL Server ,JavaScript,HTML
Role	Design and coding

Project - 2:

Title	Insurance Origination System
	M/S SUDE ENGINEERING CORPORATION, Bangalore
Technologies used	C#,ASP.NET, (VS 2005),XML,MS-SQL Server ,JavaScript, HTML
Role	Design and coding

Project - 3:

Title	SAVEARN
Technologies used	C#,ASP.NET 2.0, (VS 2005),MS-SQL Server,HTML
Client	M/S CANARES PNEUMATICS, Bangalore.
Role	Development

Project - 4:

Title	ERP
Client	M/S SAMS NET CONCEPT MARKETARS PVT LTD, Bangalore
Technologies used	C#,ASP.NET 2.0, (VS 2005), Windows XP,MS-SQL Server,HTML
Role	Maintaince

INDUSTRIAL TRAINING

Undergone industrial training in **Regional Telecom Training center (RTTC)**, Mysore on MLLN Managed leased line network for a period of 2 months.

M.TECH INTERNSHIP

M.Tech Internship done in **Honeywell Technology Solutions Lab Pvt. Ltd.**, Bangalore on **NETWORK TOOL FOR CONTROLLING DCS HARDWARE DEVICES USING DATA ACCESS PROTOCOL** using language VC++ and MFC.

Ph. D.

Completed Ph.D. in Computer Science and Engineering for the thesis titled " **An Efficient Prediction Model For Health Care Analytics Using Machine Learning Techniques** " using Deep Neural Networks method from Visvesvaraya Technological University Belagavi,Karnataka

BEHAVIORAL SKILLS

- Self-motivated and dedicated to work.
- Strong critical and analytical skills with reading, writing, and comprehension.
- Passion for connecting students to learning modalities that incite their interest in the Humanities.
- Skilled at explaining and explicating material in a manner that students of varying levels can digest.
- Ability to interact effectively with others of varying technical competency.
- Pleasant personality to connect with students and colleagues.
- Voracious appetite for increased knowledge.

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PERSONAL INFORMATION

Name : Pradeep K.R.
Marital Status : Married
Hobbies : Playing chess, reading book.
Date of birth : 22nd December 1982
Languages Known : Kannada, Hindi and English.

Declaration

I hereby declare that all the above-mentioned information is true to the best of my knowledge.

Your's faithfully
Dr.PRADEEP K R