

BIODATA



Name : **Dr. Deepak N.A.**

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Date of Birth : 02/08/1976

Educational Qualification : Ph.D. in Computer Science & Engineering
(Highest Degree)

Academic Performance :

Course/Degree	Institution	Year of Passing	Result	University
B.E. (C.S.E.)	P.E.S.I.T., Bengaluru	1999	FC	Bengaluru University
M.Tech (C.S.E.)	M.S.R.I.T., Bengaluru	2006	FCD	VTU
Ph.D. (C.S.E.) Image Processing	K.T.M.D. Research Center, National Aerospace Laboratories (NAL) – Bengaluru	2017	---	Mysuru University

Employment Record :

University / College / Company	Designation	Duration	Period
RV Institute of Technology and Management	Associate Professor	1st July 2019 – till date	
Ghousia College of Engineering	Professor & Head	1 st Sept 2017 – 30 th June 2019	2 Years & 9 Months
--- Do ---	Associate Prof & Head of the dept	1 st Apr 2011 – 31 st Aug 2017	6 Years & 4 Months
--- Do ---	Asst. Professor	1 st Mar 2007 – 31 st Mar 2011	4 Years
--- Do ---	Sr. Lecturer	16 th Aug 2006 – 28 th Feb 2007	6 Months
--- Do ---	Lecturer	13 th Oct 2001 – 15 th Aug 2006	4 Years 10Months
World Wide Applications Pvt.Ltd.	Software Programmer	1 st Feb 2001-1 st Oct2001	9 Months

Teaching Experience : 24 years of Teaching

P.hD Guidance under VTU	
P.hD Guided	P.hD Guiding
01	02

Guided – Awarded: 01

Deepak M D, successfully, completed his viva- voce and awarded Ph.D degree from VTU, under my guidance. The work entitled "Sparsity Based MRI Image Reconstruction using Compressed Sensing Technique", on 22nd July 2023.

Ph.D Guiding Under VTU: 02

Mukesh K B, successfully registered for Ph.D under guidance, RAC committee formed and opted the course subjects.

Sharan Basappa Biradar, successfully registered for Ph.D under guidance.

Journal Publications	
International Journals	National Journals
15	01
Q1 - Journals = 03 No's (Published - Indexed in Scopus & WOS (SCIE)) Q2 - Journals = 01 No's (Indexed in Scopus) Q3 - Journals = 01 No's (Indexed in Scopus) Scopus Indexed = 07No's UGC care Journals = 04No's	

International Journal : 15

Deepak N. A., "Vision based approach - radial basis kernels and deep-networks to recover person identity from independent camera views," *Multimedia Tools and Application, Springer. Springer-Journals*, vol. 85, pp. 61-92, 2026. DOI: <https://doi.org/10.1007/s11042-026-21146-4>.

[Q1 - Journal, Indexed in SCOPUS & SCIE (WOS)]

Deepak N. A., "Deep Learning and Computer Vision Approach - A Vision Transformer based Classification of Fruits and Vegetable Diseases (DLCVA-FVDC)," *Multimedia Tools and Application, Springer. Springer-Journals*, 2024. DOI: <https://doi.org/10.1007/s11042-024-18516-1>. **[Q1 - Journal, Indexed in SCOPUS & SCIE (WOS)]**

Deepak N. A., "Change Detection - Siamese-based Framework to Detect Changes over the Earth's Surface (CD-CSNN) ", *Multimedia Tools and Application, Springer. Springer-Journals*, vol. 83, no. 1, pp. 11387–11409, 2023. DOI: <https://doi.org/10/1007/s11042-023-15562-z>. **[Q1 - Journal, Indexed in SCOPUS & SCIE (WOS)]**

Deepak M., Karthik P., Deepak N. A., "Analysis of Sparse Signal Sequences under comprehensive sampling techniques for different measurements metrics," *Recent Advances in Electrical and Electronics and Engineering*, vol. 16, pp. 472-485, 2023. **[Q3 Journal, Indexed in SCOPUS]**

Deepak M., Karthik P., Deepak N. A., "Comparison of different sparse dictionaries for compressive sampling," *Electrical Engineering and Informatics, Institute of Advance Engineering and Science*, vol. 11, no. 5, pp. 2611-2620, 2022. ISSN: 2302-9285, DOI: <https://doi.org/10.11591/eei.v11i5.4014> **[Q2 Journal, Indexed in SCOPUS]**

Deepak N A, Savitha G, Deepak D J, Supraj P. Kashyap, "Retinopathy Based Multistage Classification of Diabetes," *Integrated Intelligent Computing Communication & Security, published by ATLANTIS Press - Web of Science*, vol. 5, pp. 54-60, 2021. DOI: <https://doi.org/10.2991/ahis.k.210913.008> **[Scopus Indexed]**

Deepak N A , Deepak D J, "Data Acquisition using IoT to Monitor Coal Mining Environment," *Integrated Intelligent Computing Communication & Security, published by ATLANTIS Press - Web of Science*, vol. 5, pp. 158-166, 2021. DOI: <https://doi.org/10.2991/ahis.k.210913.020> **[Scopus Indexed]**

Deepak M D, Karthik Pilani, Deepak N A, "Sparse and Incomplete Signal Dictionaries for Reconstruction of MR Images," *International Journal of Electrical and Computer Engineering Systems*, vol. 13, no. 3, pp. 165-174, 2022. DOI: <https://doi.org/10.32985/ijeces.13.3> **[Scopus Indexed]**

Deepak N.A. and Shobha N.S., "Analysis of Learner's Behavior Using Latent Dirichlet Allocation in Online Learning Environment", *Computational Methods and Data Engineering. Advances in Intelligent Systems and Computing – Springer Journals, Singapore*, vol. 1257, Issue. 2, pp. 231-242, 2020. **[Scopus Indexed]**

https://doi.org/10.1007/978-981-15-7907-3_18

Deepak N. A., " Visual Biometric Based Animal Identification using Topic Models", *VTU Journal of Engineering Sciences and Management*, vol. 1, no. 3, pp. 17-21, 2019.

Deepak N. A. and Dr. U. N. Sinha, "Analysis of Human Gait for Person Identification and Human Action Recognition," *International Journal on Communications and Applied Electronics (CAE)*, vol. 4, no. 4, pp. 165-172, 2016.

Deepak N. A. and Dr. U. N. Sinha, "Topic Model for Person Identification using Gait Sequence Analysis," *International Journal on Computer Applications (IJCA)*, vol. 133, no. 7, 2016.

Deepak N. A. and Dr. Hariharan R., "Silhouette Based Human Motion Detection and Recognizing their Actions from the Captured Video Streams," *International Journal of Advance Networking and Applications (IJANA)*, vol. 2, no. 5, pp. 817-823, 2011.

Deepak N. A. and Puttegowda D., "Performance Evaluation of Sequential and Parallel Mining of Association Rules," *International Journal of Advance Networking and Applications (IJANA)*, vol. 2, no. 1, pp. 458-463, 2010.

Deepak N. A. and Shobha N. S., "Water Leakage Detection and Location Identification using IoT and Cloud Interface", *RV Journal of Science Technology Engineering Arts and Management*, vol. 1, no. 1, pp. 77-81, Jan. 2020. [UGC Care Journal]

Research Papers Presented in National / International Conferences	
National Conference	International Conference
07	25

National Conference: 07

Deepak N. A., Adithya J, Kunal, Bharath and Adarsh S, “Big Data Semantic Management for Disease Prediction”, *National Conference on Digital Technology and Engineering (NCDTE-2024)*, RVITM Bengaluru, 2nd & 3rd May 2024.

This paper was selected as the best paper of the conference.

Deepak N. A., V. Bhat, Supraj P., Vinay M., & Soundarya, accepted and presented a paper entitled "Youtube Spam Detection", at the *National Conference on Digital Technology and Engineering*, at RVITM, Bengaluru on 28th & 29th April 2023.

Deepak N. A. and Dr. U N Sinha., “Gait Sequence Analysis for Person Identification”, In Proc. *IEEE National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG 2013)*, IIT Jodhpur, from 18th – 21st December 2013.

Deepak N A, “Image Dimension Reduction and Transmission over Noisy Communication Using Independent Component Analysis”, In Proc. *National Conference on Frontiers of Computer Science and Technology, (FCST’-12)* at Rajarajeshwari College of Engineering, Bengaluru on 14th February 2012.

Deepak N A and Puttegowda D. “Performance evaluation of Sequential and Parallel Mining of Association Rules using Apriori Algorithm”, In Proc. *National Conference on Emerging Trends in Information Technology (NCETIT 2012)* at Don Bosco Institute of Technology, Bengaluru, on 3rd -5th May 2012.

Deepak N A, “Human Motion Detection and Action Recognition”, In Proc. *National Conference on Emerging Trends in Information and Technology (NCETIT-2011)*, at Don Bosco Institute of Technology, Bengaluru, on 10th - 12th March 2011.

This paper was selected as the best paper of the conference.

Deepak N A, “Neural Network Based Human Pose Tracking and Identification of Walking Styles Using Multiple Views”, In Proc. *National Conference on Information Science & Technology (NCIST09)*, Center for Information Science & Technology Manasagangotri, Mysuru, on 25th November 2009.

International Conference : 25

Deepak N A et al. "Semantic Segmentation and Transformer-based OCR for Automated Receipt Scanning," ICDTE-2025, October-2025

Deepak N A et al. "Real-Time Face Mask Detection Using CNN," ICDTE-2025, October-2025

Deepak N A et al. "A Hybrid Approach to Image Enhancement Using CLAHE and Gamma Correction with PSNR Assessment," ICDTE-2025, October-2025

Deepak N. A. et al., submitted conference paper entitled "EfficientNetV2-ResNet50V2 Ensemble Framework for Parkinson's Disease Detection: Optimized Class Balancing and Test-Time Augmentation", *Recent Advances in Information Technology for Sustainable Development*, Department of Information and Communication Technology, Manipal Institute of Technology, September 03rd - 04th 2025.

Deepak N. A. et al., submitted conference paper entitled "Visual Feature Extraction and Color Distribution Analysis through a Python Based System", *2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS-2025)*, Organized by NAVAKIS College of Engineering Hassan. August 22nd -23rd 2025.

Deepak N. A. et al., submitted conference paper entitled "Transforming Pixels: The Art of Image Enhancement", *3rd International Conference on Data Science and Network Security ICDSNS-202*, Organized By Kalpataru Institute of Technology, Tiptur, Karnataka, on July 25-26, 2025.

Deepak N A et al. "Comprehensive Survey on TransplantMatch Agent: A Multi-Agent ML System for Kidney and Liver Transplant Compatibility Prediction," Proceedings of the 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI-2025), ISBN: 978-1-6654-5752-1

Deepak N A et al. "EfficientNetV2-ResNet50V2 Ensemble Framework for Parkinson's Disease Detection: Optimized Class Balancing and Test-Time Augmentation," 3rd IEEE International Conference Recent Advances in Information Technology for Sustainable Development", Manipal Institute of Technology, Manipal, Sept-2025

Deepak N A et al. "Revolutionizing Medical Imaging: AI-Powered Analysis for Faster and More Accurate Diagnoses, " Proceedings of the 6th International Conference on Inventive Research in Computing Applications (ICIRCA-2025), ISBN: 979-8-3315-2141-7

Deepak N. A. et al., "Virtual Learning Environment - Evaluation of Learner's Behavior Using Topic Models", 12th International Conference on Internet of Everything, Microwave, Embedded, Communication & Networks (IEMECON 2024), on 24th - 26th October, 2024.

Deepak N.A., "Machine Learning based Pedestrian Re-Identification", In Proc. *3rd International Conference Advances in modern science and technology- 2023*, at T. John college of Engineering, Bengaluru, from 21st – 22nd April 2023.

Deepak N.A., Ravi Kumar, Tarun Gupta, Shubham Gaurav, Pulkit Yadav and Pranesh P, "Automobile Value Prediction using Machine Learning Algorithms", *In Proc of IEEE Int. Conf. on Advancements in*

Robotics, Vision and Interdisciplinary Technology Management (IC-RVITM' 23), RVITM, Bengaluru, 28th and 29th November 2023.

Deepak N.A., “Data Acquisition using IoT to monitor Coal Mining Environment”, *In Proc. 4th International Conference on Soft Computing and its Engineering Applications, 2022*, SJBIT, Bengaluru, from 9th - 10th, December 2022.

Deepak N.A., “IoT to monitor Mining Environment”, *In Proc. 3rd International Conference Integrated, intelligent computing, communication society, 2021*, at SJBIT, Bengaluru, from 6th – 7th August 2021.

Deepak N.A., “Ratinopathy based multistage classification of Diabetes”, *In Proc. 3rd International Conference Integrated, intelligent computing, communication society, 2021*, at SJBIT, Bengaluru, from 6th – 7th August 2021.

Deepak N. A. and Shobha N. S., "Topic Model based Efficient Analysis of Student Behavior", *International Conference on Computational Methods and Data Engineering (ICMDE 2020)*, SRM University, Delhi NCR, Sonipath Haryana, India, on 30th - 31st Jan. 2020.

Deepak N. A. and Dr. U. N. Sinha, “Cluster based Human Action Recognition using LDA”, *IEEE International conference on Circuits, Controls & Communications (CCUBE-2013)*, R.N.S. Institute of Technology, Bengaluru, on 27th – 28th Dec. 2013.

This paper was awarded as the best paper of the conference.

Deepak N. A., “Recognizing Human Actions for Surveillance from the Video Streams”, *International Conference on Operational Excellence for Global Competitiveness (ICOEGC -2011)*, R.V. College of Engineering, Bengaluru, on 3rd - 5th Feb. 2011.

Deepak N. A., “Robust Transmission of images over noisy channel using PCA and ICA”, *International Conference on Recent Trends in Soft Computing and Information Technology (RTSCIT'09)*, Corporate Institute of Science and Technology, Bhopal, MP, India, on 09th -10th Jan. 2009.

Research Proposals and Funding		
Submitted	Accepted	Under Review
18	02	02

Accepted: 02

Deepak N. A., V. Bhat, Supraj P., Vinay M., and Soundarya, submitted a project proposal entitled "YouTube Spam Comments Detection", *Karnataka State Council for Science and Technology (KSCST)*. The grant under Student Project - 46th series, 2022-2023, on 24th April 2023.

Deepak N A, submitted a proposal entitled “IOT based Water Leakage Detection System with Data Ingestion Cloud API”, *to New Age Incubation Network, Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka*, it has been **accepted** for the grant of Rs.1, 10,000/- on 11th March 2019.

Research Proposal under Review: 02

Deepak N. A. and Malini M Patil submitted a project proposal “Earth’s Surface Change Detection - A Siamese-based Framework to Protect Earth from Encroachment, Disasters, and Other Natural Calamities (CD-SNN)”, to *VGST government of Karnataka under Karnataka Fund for Infrastructure Strengthening in Science & Technology (K-FIST L1)* for the grant of Rs. 18,93,751/- on June 2025 **(Under Review)**

Deepak N. A. and Savitha G submitted a ATAL FDP proposal on “Building Scalable and Future Ready Cloud Systems with AWS Cloud”, to *ATAL, Government of India* for the grant of Rs. 2,00,000/- on May 2025. **(Under Review)**

Coursera - Online Courses
Online courses completed

Online Courses: 15

Completed (with good grades) online course on “HTML5 - The Language”, on 8th July 2024, offered by Infosys springboard.

Completed (with good grades) online course on “ReactJS”, on 12th August 2024, offered by Infosys springboard.

Completed (with good grades) online course on “Command line in Linux”, on 11th July 2023.

Completed (with good grades) online course on “Basic Image Classification with Tensorflow”, on 13th July 2023.

Completed (with good grades) online course on “Linear Regression with NumPy and Python”, on 18th July 2023.

Completed (with good grades) online course on "*Create Your First Python Program From UST*" on 5th July 2022, passed this course with the grade 96%

Completed (with good grades) online course on “*Command Line Interface (CLI) with Golang from Infosys*“, on 19th July 2022. Passed this course with the grade 100%

Completed (with good grades) online course on "*Use Canva to Create Social Media Visuals for Business*", on 24th July 2022. Passed this course with the grade 87.50%

Successfully completed (with good grades) online course on "*Programming for Everybody (Getting started with Python)*" offered by University of Michigan on 14th July 2021. Passed with the grade = 99.17%

Successfully completed (with good grades) online course on "*Code Yourself - An Introduction to Programming*" offered by University of Edinburgh on 7th July 2021. Passed with the grade = 87%

Successfully completed (with good grades) online course "*Introduction to Cloud Identity*" offered by Google Cloud on 5th July 2021. Passed this course with the grade = 100%

Successfully completed an online course on "*An Introduction to programming with MATLAB*", Authorized by Vanderbilt University offered through coursera on 4th July 2020.

Successfully completed an online course on "*C++ for C Programmers, Part - A*", Authorized by Santa Cruz, University of California offered through coursera on 14th July 2020.

Successfully completed an online course on "*Cloud Computing Basics (Cloud 101)*", Authorized by LearnQuest offered through coursera on 23rd July 2020.

Awards & Honors	
Awards	Honors (Session Chair, Invited Talks, Subject Expert, International Journal Review (Q1 & Q2))
03	95

Awards: 03

Best paper award, in national conference *National Conference on Digital Technology and Engineering (NCDTE-2024)*, RVITM, Bengaluru, 2nd & 3rd May 2024.

Best Paper award, in *IEEE International conference on Circuits, Controls & Communications (CCUBE-2013)*, at R.N.S. Institute of Technology, Bengaluru on 2013.

Best Paper award, in *National Conference (NCETIT-2011)*, at Don Bosco Institute of Technology, Bengaluru on 2011.

Honors: 17

Session Chair: 06

Deepak N A was a **Chairperson** - at 8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS), at RV College of Engineering, Bengaluru on 7th to 9th November, 2024.

Deepak N A was a **Chairperson** - at International Conference on Future Computing Technologies for Societal Development, at Ramdeobaba University, Nagpur, on 20th & 22th Feb 2025.

Deepak N. A., was a **Chairperson** during the project exhibition for Final year UG students @ K. S. school of Engineering and Management (KSSEM), Bengaluru on 21st June 2022.

Deepak N A was a **Chairperson** - at International Conference on Recent Trends in Science and Technology (ICRTST-2021), at ATME College of Engineering, Mysuru on 8th & 9th July 2021.

Invited as **Chairperson** for the paper presentation event at “State Level Technical Symposium” held at ATME College of Engineering, Mysuru on 3rd Nov 2017.

Invited as a **Chairperson** for the paper presentation at IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology in association with IEEE Bengaluru section and COM chapter, held at Sri Venkateshwara College of Engineering Bengaluru, on 20th – 21st May 2016.

Technical Talk Delivered (Expert Lecturer Delivered): 08

Deepak N A, Shared the expertise by delivering a technical talk on,” Research Paper Writing Skills & LATEX, ”during one day workshop on 17th Nov 2025 at ATME college of Engineering, Mysuru.

Deepak N A, shared the expertise by delivering a technical talk/session on “AI Model Deployment & Optimization”, during Three-day FDP on “AI, ML & DL – Progress and its Applications” at ATME College of Engineering, Mysuru on 3rd - 5th Feb 2025.

Deepak N. A., shared the expertise by delivering a guest lecturer on “DEEP learning and Machine Learning” as resource person @ K. S. school of Engineering and Management (KSSEM), Bengaluru on 21st June 2022.

Deepak N A, delivered an expert lecturer / Invited Talk / Webinar on “DEEP Learning: Introduction to DEEP Learning and Machine Learning - Application on Security and Surveillance”, for students at BGSIT-ACU, on 12th November 2021.

Deepak N A, delivered an Invited Talk / Seminar on “CO-PO Attainment”, Target Audience were teaching staff, Dept of Mechanical Engineering, RVITM, Bengaluru on 29th March 2022.

Delivered an Expert lecturer on “Universal Human Values”, at BGSIT-ACU, on 22nd December 2020

Delivered Expert Lecturer on, “Image Processing – Gait Analysis and its Applications”, Organized by Department of Computer Science and Engineering, BGS Institute of Technology, BG Nagar, Adichunchanagiri University, on 7th Nov 2020.

Delivered an Expert Lecturer on “Understanding Issues in Data Quality”, at a Workshop on “Predictive Analytics”, at RV College of Engineering, Bengaluru on 25th July 2016.

Subject Expert – Faculty Recruitment: 01

Invited as a **Subject Expert** for conducting interview for the recruitment of Assistant professors and Associate professors at Jnana Vikas Institute of Technology, Bidadi, Bengaluru on 17th July 2016.

International Journal Paper Review: 80

Deepak N A awarded a **Certificate** of reviewing journal papers by the editorial board of Multimedia Tools and Applications journal, SPRINGER, **[Q1 Journal]**.

Deepak N A awarded a **Certificate** of reviewing journal papers by the editorial board of Journal of Computer and System Sciences, ELSEVIER, in Nov 2017. **[Q1 Journal]**.

Deepak N A awarded a **Certificate** of reviewing journal papers by the editorial board of Advances in Science, Technology and Engineering Systems Journal (ASTESJ) **[Q2 Journal]**.

Deepak N A awarded a **Certificate** of reviewing journal papers by the editorial board of Pattern Recognition Letters, ELSEVIER **[Q1 Journal]**.

Deepak N A awarded a **Certificate** of reviewing journal papers by the editorial board of International Journal of Remote Sensing, Francis and Taylor journals.

Deepak N A awarded a **Certificate** of reviewing research papers by the editorial board of 3rd International Conference on Soft Computing and its Engineering Applications, Springer.

Training Programme Attended		
Seminar / Webinar	Workshop	FDP/STTP
10	08	14

Seminar/ Webinar: 10

Deepak N A attended a seminar/webinar on “Latest Research in Advancing Sensor Technology with IC Design Power Management and RNA Drugs for Muscle Ageing and Portable Sensors” organized by *EduCare, Taiwan with National Sun-Yat-Sen University, Taiwan*, on 27th Oct 2023.

Deepak N A attended a seminar/webinar on “Innovations in Solar cell Technologies, Flexiable substrate devices for VR and Graphics” organized by *EduCare, Taiwan with National Sun-Yat-Sen University, Taiwan*, on 1st Dec 2023.

Deepak N A attended a seminar/webinar on “Excellence through MATLAB and Simulink”, organized by *CoreEL Technologies Bengaluru*, on 4th August 2023.

Deepak N A, attended a seminar/webinar on “Diversity and Inclusion in Technology”, organized by *Rajiv Gandhi College of Engineering, Research and Technology, Chandrapur, Bengaluru*, Bengaluru, India, on 10th July 2020.

Deepak N A attended a seminar on “Computer Concepts and C Programming”, organized by *REVA I.T., Bengaluru*, Bengaluru, India, on 28th August 2010.

Deepak N A., attended a seminar on “Information Storage and Management”, organized by *EMC², Bengaluru*, India, on 20th Nov 2009.

Workshop: 08

Deepak N A attended TWO days workshop on “Skill Development Programme on IoT”, organized *Dept of CSE, RVITM*, Bengaluru, India, on 10th May & 11th May 2022.

Deepak N A attended one week workshop on “An Overview of Teaching Techniques in Microcontroller and Embedded Systems”, organized by *AICTE-VTU* at VTU Center for PG Studies, Mumbai, India, from 20th -24th Jan. 2020.

Deepak N A, attended one day workshop on “Online Course on Examination Reforms ”, organized by *AICTE, New Delhi*, Mumbai, India, from 29th April to 2nd May, 2020.

Deepak N A attended one week workshop on “The Effective Techniques of Teaching and E-Commerce ”, organized by *Saraswati Institute of Technology, Mumbai*, India, from 1st June to 5th June 2020.

Deepak N A attended one workshop on “Research Methodologies & Latex ”, organized by *VTU e-Learning Center Mysuru*, from 27th -29th July 2013.

Deepak N A attended two days workshop on “Software Testing: Tools and Techniques ”, organized by *G.A.T., Bengaluru*, from 8th & 9th April 2011.

Deepak N A, attended one day workshop on "*BI and Data warehousing*", organized by *Key Soft Solutions Bengaluru* on 13th March 2009.

Deepak N A, attended one week workshop on "*Wipro Mission10X* ", organized by *D.B.I.T., Bengaluru*, from 4th – 8th May 2009.

Short Term Training Programme / Faculty Development Programme: 14

Deepak N A, attended 3 days STTP on “Uncover Augmented Reality in Unity 3D ”, organized by *Ramaiah Institute of Technology (RIT)*, India, from 16th - 18th Dec -2020.

Deepak N A, attended one week STTP on “Moodle and its Features for Teaching, Learning and Evaluation process ”, at *RV College of Engineering, Bengaluru*, India, from 27th July - 31st July 2020.

Deepak N A attended one week STTP on “Design Thinking”, at *RV College of Engineering, Bengaluru*, India, from 27th July - 03rd Aug 2020.

Deepak N A attended one week FDP on “Outcome based Education” at *RVITM, Bengaluru*, from 25th October – 30th October 2023.

Deepak N A attended one day FDP on “Inter Personal Skills”, at *RVCE, Bengaluru*, India, on 10th Nov 2023.

Deepak N A attended one week FDP on “Designing and Modelling the IoT, AI & ML systems”, at *AICTE Training and Learning (ATAL Academy), ARM education and STM Electronics, Bengaluru*, India, from 1st May to 5th May 2022.

Deepak N A attended one week FDP on “Android Mobile Application Development”, at *RVITM, Bengaluru*, India, from 7th to 9th April 2022

Deepak N A attended one week FDP on “Amazon Web Services”, at *RVITM, Bengaluru*, India, from 22nd August 2022 to 27th August 2022

Deepak N A attended one week FDP on “Research Methodology and Tools”, at *Sandip Institute of Technology and Research Center*, India, from 12th to 16th Sept 2023

Deepak N A attended one week FDP on “Practical insight into key concepts of block chain”, at *AICTE Training and Learning (ATAL Academy), at Ramaiah Institute of Technology, Bengaluru*, India, from 12th July - 16th July 2021.

Deepak N A attended one week FDP on “Deep Learning for Audio and Speech Processing”, at *AICTE Training and Learning (ATAL Academy), at KLE Technological University, Hubli*, India, from 26th July - 30th July 2021.

Deepak N A attended one week FDP on “Speech Processing using Deep Learning ”, at *AICTE Training and Learning, at Indian Institute of Technology, Dharwad*, India, from 28th Dec 2020- 1st Jan 2021.

Deepak N A attended one day FDP on “Effective e-Resources Retrieval Strategies for Efficient Research ”, at *Library and Information Center in Collaboration with IEEE, G.C.E. Ramanagaram*, India, from 9th Feb 2019.

Deepak N A attended one week FDP on “Software Engineering ”, at *AIeMS, Bidadi*, India, from 18th -22nd March 2010.

Patent Published	Patent Granted (Submitted)
03	01

Published: 03

Deepak N A and others, entitled “Siamese-based Neural Network System to Detect the Changes over the Earth’s Surface”, published a patent on 26th July 2024.

Application No. 202441053276

Field of Invention: Computer science

Applicant Name: RV Institute of Technology and Management (RVITM)

Deepak N A and others, entitled “Vision Transformer based Recognition System to Protect Farmers and to Increase the Nation Economy”, published a patent on 4th Sept 2024.

Application No. 202441067020

Field of Invention: Computer science

Applicant Name: RV Institute of Technology and Management (RVITM)

Deepak N A and others, entitled “LifeLink: Predicting the Compatibility for Kidney and Liver Transplants using AI/ML”, Submitted a patent on 29/09/2025. **Results are Awaited**

Field of Invention: Computer science & Engineering

Applicant Name: RV Institute of Technology and Management (RVITM)

Patent Submitted for Grants: 01

Deepak N A and others submitted a patent entitled ”Design and Development of an IoT-Enabled Autonomous Rover for Eco-Friendly Beach Surface Maintenance”, Submitted on 1st Dec 2025

Book Chapters – Published / Submitted	
Published	Submitted
03	02

Published: 02

Deepak N A, published a chapter entitled “Comparative Study of Feature Extraction Using Different Transform Techniques in Frequency Domain,” in Springer Lecture Notes in Electrical Engineering book series (LNEE, volume 700), 2021

Deepak N A et al., published a chapter entitled “Analysis of Learner's Behavior Using Latent Dirichlet Allocation in Online Learning Environment,” in Springer Lecture Notes in Advances in Intelligent Systems and Computing book series (AISC, volume 1257), 2020.

Training Programme Organized		
Seminar / Webinar	Workshop	Technical Talk
01	02	05

Seminar / Webinar: 01

Deepak N. A. organized a Seminar/webinar on “Cloud Computing and its Impact”, organized on 9th May 2020. The resource person was Mr. Kavi Arasu, Associate Director, Mindtree Ltd. Bengaluru.

Workshop: 02

Deepak N A, organized an TWO days workshop on " Digital System Design Using Hands on Sessions & Basics of CPU Design Using Logisim Simulator ", from 12th & 13th December 2022 (2 days), at RVITM, Bengaluru for the students of CSE/ISE department, The resource person: Dr. K. Badarinath, Assoc Prof., CSE, RVCE, Bengaluru

Deepak N A, organized an workshop on "*Java for Industry and Academics*", from 19th July 2021 to 20th July 2021 (2 days), at RVITM, Bengaluru for the students of CSE/ISE department, The resource person: *Mr. Vinay Haritsa* from Vtricks Solutions private limited, Bengaluru.

Technical Talk: 05

Deepak N A, organized an technical talk on "*Deep Dive into JAVA and J2EE*", on 5th July 2024, at RVITM, Bengaluru, The speaker was Mr. Prakesh N R, CEO, SisaSriSarva IT Solutions, Bengaluru.

Deepak N A, organized an technical talk on "*Introduction to IoT and its Applications*", on 4th April 2024, at RVITM, Bengaluru, The speaker was Mr. Mahesh D and Harish N, M.D. & CEO, Karunadu Technologies Pvt. Ltd., Bengaluru.

Deepak N A, organized an technical talk on "*Introduction to Application Security*", on 28th November 2020, at RVITM, Bengaluru, The speaker Mr. Milind Daftari, Software Engineer, Altruista Health, Hyderabad addressed the gathering.

Deepak N A organized a technical talk on "*Artificial Intelligence and Machine Learning*", on 6th November 2020, at RVITM, Bengaluru. The Speaker- Mr. Vinay, Vtricks Solutions, Private Limited, Bengaluru.

Deepak N A organized a technical talk on “Cloud Computing and its Impact””, on 9th May 2020, at RVITM, Bengaluru. The Speaker- Mr. Kavi Arasu V, Associate Director, Mindtree Ltd., Bengaluru.

Subjects Handled : Database Management Systems, Computer Networks,
Data Communication, Computer Graphics & Fundamentals
of Image Processing, Software Engineering, Operating
Systems, Cryptography, Computer Vision & C Programming
for Problem Solving and more.

Areas of Interest : Artificial Intelligence, Image Processing, Database, Machine
Learning, Deep Learning & Computer Networks.



Signature
(Dr. Deepak N. A.)