

Curriculum Vitae

Dr. Kamalesh V.N.

M.Tech., Ph.d.,

Phone: +91 94496 10085
kamalesh.v.n@gmail.com

Res: Harshita Farm, Vasanthapura Main
Road,
Vasanthapura, Bengaluru 560061, India.

Male / Born on **2nd October 1969** / Indian



Present Designation:

Vice-chancellor

Gandhinagar University

Khatraj – Kalol Road, Kalol,
Dist. Gandhinagar-382721 Gujrat, India.

Previous Designations and Positions:

- **Pro Vice-chancellor & senior professor CSE**

Madhav University
N.H.-27, Abu Road, Sirohi,
Rajasthan (India) - 307 026

- **Professor and Special Officer**

e-Learning Centre,
Visvesvaraya Technological University,
Govt. of Karnataka, Mysuru – 570029, India.
Web: <http://elearning.Visvesvaraya Technological University.ac.in>

- **Professor and Special Officer**

Bosch Rexroth Centre of Competence in Automation,
Visvesvaraya Technological University,
Govt. of Karnataka, Mysuru 570029, India.
Web: <http://research.vtu.ac.in/bosch>

- **Professor and Special Officer**

Regional Office, Mysore Regional Centre,
Visvesvaraya Technological University,
Govt. of Karnataka, Mysuru-570029, India.

- **Professor and PG Coordinator**
Post-Graduation Centre
Visvesvaraya Technological University,
Govt. of Karnataka, Mysuru 570029, India.
- **Consulting Advisor**
Information Technology & e-Learning,
Rajiv Gandhi University of Health Sciences, Govt. of Karnataka,
Bengaluru - 560011, India.
- **Director (Academic)**
School of Science & Technology
Karnataka State Open University,
Govt. of Karnataka, Mysuru, India.
- **Director (Administration & Development)**
Information Technology
Karnataka State Open University,
Govt. of Karnataka, Mysuru, India.
- **Principal Investigator**
“Expansion of Technology Enhanced Learning Initiatives
NMEICT, NTPEL- MHRD, Govt. of India,
- **Member and Coordinator Confidential Committee**
University Grants Commission (UGC)
MHRD, New Delhi
- **Director, Dean and Research Head**
T. JOHN Institute of Technology,
Bengaluru-560083.
Affiliated to Visvesvaraya Technological University,
Belagavi-590018, Karnataka. Accredited by NBA,
- **Professor and Dean**
Faculty of Computer Science and Engineering,
Sreenidhi Institute of Science and Technology,
Autonomous Institution, Accredited by NBA,
NAAC A+ and Recognized by UGC.
Hyderabad – 501301, Telangana.
- **Head of the Department**
Department of Computer Science & Engineering

Educational Qualifications:

Ph.D., Computer Science & Engineering Satyabhama University, Chennai.	2010-11	Faculty of Computer Science and Eng.
M.Tech., Computer Science & Technology University of Mysore, Mysuru.	2002	First Class with Distinction
M.Sc., Mathematics University of Mysore, Mysuru.	1993	4th Rank
B.Sc., PCM Yuvaraja's College, University of Mysore.	1991	14th Rank
P.U.C., PCMB Sharada Vilas College, Mysuru.	1987	First Class
S.S.L.C St. Joseph's Convent, Mysuru.	1985	First class

Professional Experience:

31 years' service in Academics /Administration

**Working as Vice-chancellor, Gandhinagar University Khatraj – Kalol
Road, Kalol, Dist. Gandhinagar-382721 Gujrat, India.**

- As a Vice-chancellor of Gandhinagar University, i am the principal executive and academic officer of the University and exercise general superintendence and Control over the academic affairs of the University within the powers conferred by the Act or the Statutes
- As a vice chancellor, i am the Chairperson of the Academic Council and aid and advise the Governing Body on planning and development of the University, particularly in respect of the norms and standards of education, teaching, and research in the University.
- In addition, Provide academic leadership and motivation for excellence, by Empowering the work force to explore into unexplored ideas and approaches.
- Ensure adherence to quality control norms, and be responsible for achieving quality control standards pertaining to academic activities

as also industry-relevant research programs and courses offered or to be, offered by the University.

- To ensure that academic calendars and syllabus are in place, examinations are held on time as per the schedule, and degrees are awarded in time
- To, lead the university with Innovation and vision by Aligning resources and Involving stakeholders
- Build environment that fosters excellence and creativity
- Drive growth, development, and strategies to build bridges with industry and Academy

- To ensure quality norms and standards pertaining to the courses of study offered or to be offered by the University within and outside the country; and to execute the Institutional Development Plan.

- In addition, also the Chairman of various committees and cells, such as the NEP assurance cell, faculty capacity building and development cell, the Faculty development cell, the Electoral cell, IQCS cell, committee for implementation of multidisciplinary and holistic education, committee for enhancing digital competencies and online education, committee for implementation of internship embedded degree programs(apprenticeship), committee for implementation equitable and inclusive education.

a. Worked as Pro Vice-chancellor, Madhav University Abu Road, Pindwara, Distt. Sirohi, Rajasthan (India) - 307 026

As a Pro Vice-Chancellor Academic, I am also an executive and academic officer of the University and exercise general superintendence and control over the academic affairs of the University, assist the chancellor and vice chancellor in general administration of the university and shall execute the decisions of various higher authorities of the University.

In addition also the Chairman of various committees and cells, such as the NEP 2020 cell, the Faculty development cell, the Electoral literacy club, principally the chairman of NAAC core committee and NEP2020 implementation central committee in addition by the virtue of the Madhav University Act 2014 and subsequent Statutes, I am the member of various boards and councils, viz.. University academic council, Research board, publication board, etc.

b. Worked as Director, Dean and Research Head in T. JOHN Institute of Technology, Bangalore, affiliated to Visvesvaraya Technological University, Karnataka, India.

- As a Director my Primary responsibility is to guide the Institution towards Outcome Based Education leading to Accreditation.
- Institution has VTU Research center. I was given the key responsibility to improve the quality of research and related activities by increasing number of quality publications and patents.

- As a Director I was also given responsibility for increasing the Admissions for BE and Ph. D courses
 - I was the Governing Council Member
- c. **Worked as Professor and Dean Faculty of Computer Science and Engineering, Sreenidhi Institute of Science and Technology, Autonomous Institution, Accredited by NBA, Recognized by UGC, Hyderabad.**
- As the Dean, I am responsible to the Honorable Secretary and Executive Director for Academics and the administration in accordance with the policies and procedures of the Institution.
 - I served as a technical member and member secretary to study and set the scope of implementation of **Digital Evaluation System/Online Onscreen Marking System for B.Tech, M.Tech and MBA programs of the Institution. It was the first of the kind in the State of Telangana.**
 - I hold the responsibility as the **Chairman of the project execution and monitoring committee for implementation** of the Digital Evaluation System / Online Screen marking system for the examination under the autonomous scheme and compliance of the same.
 - I hold the responsibility of matters related to implementation of **OUTCOME BASED EDUCATION** system NAAC activities in the institution. Further I was given charge as The Chief Coordinator for the above activities for In-house activities related to NAAC Accreditation
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- d. **Rendered services as Consulting Advisor (IT & e-Learning0, Rajiv Gandhi University of Health Sciences, Govt. of Karnataka, Bengaluru 560011, India.**
- As a consultant, offered advice on implementation of information system development plans, policies, procedures related IT infrastructure, on-line digital evaluation system, University Examination and end to end University Automation System
 - Provided advice on matters relating to IT and e – learning issues for generating funds from state, central government or other funding agencies
 - Advice giving for University officials, on software requirements specification (SRS) and other documentation related to IT infrastructure facilities.
 - Provided advice to prepare the scope of work in related field for preparing tender documents as per the KTTP act
 - Advisory to university to establishing digital evaluation centers for evaluating theory answer scripts in different districts of Karnataka.

- e. **Worked as Professor and Special Officer,
E-Learning Centre, VISVESVARAYA TECHNOLOGICAL
UNIVERSITY Regional Office, Mysuru,
Visvesvaraya Technological University (VISVESVARAYA
TECHNOLOGICAL UNIVERSITY), Mysuru, India.**

The VISVESVARAYA TECHNOLOGICAL UNIVERSITY E-Learning Center develops technical content for PG and UG courses. The E-content is transmitted through Channel to all the affiliated colleges across Asia Pacific Region. The VISVESVARAYA TECHNOLOGICAL UNIVERSITY E-Learning Centre also conducts regular workshops on research methodologies for VISVESVARAYA TECHNOLOGICAL UNIVERSITY research scholars. The Centre also handles the E-Vidya project – a technology enabled learning initiative for UG and PG students of VISVESVARAYA TECHNOLOGICAL UNIVERSITY.

- f. **Worked as Professor and Special Officer,
Bosch Rexroth Center of Competence in Automation Technology
(BRCoC), Visvesvaraya Technological University, Mysuru, India.**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY-Bosch Rexroth Centre of Competence in Automation Technology is collaborative programme with Bosch Rexroth AG, Germany. The VISVESVARAYA TECHNOLOGICAL UNIVERSITY-BRCoC was established in the year 2007. The centre caters to the training needs of VISVESVARAYA TECHNOLOGICAL UNIVERSITY affiliate training institutions, other universities and industries in the Asia Pacific Region to keep pace with the fast growing engineering industries in the country. Bosch Rexroth, AG, Germany is the industry partner for the project. The centre provided training in Robotics, Pneumatics, Sensorics, PLC, Mechatronics, and Hydraulics.

- g. **Worked as Special Officer,
VISVESVARAYA TECHNOLOGICAL UNIVERSITY Regional
Office, Mysore (ROM)**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY (ROM) is the zonal office of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belgaum. This region covers 9 districts namely Mysore, Mangalore, Dakshina Kannada, Hassan, Chikkamangalore, Chamarajanagara, Davanagere, Coorg and Mandya. The nature of the work is to coordinating with all the Engineering colleges in this region. Further administration, conducting Examination and Evaluation work of this region and conducting Workshop/ training on “**Outcome Based Accreditation Workshop (NBA)** for all the intuitions’ affiliated to the university.

- h. **Worked as Professor and PG Coordinator,**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Regional Office, Mysore.

The VISVESVARAYA TECHNOLOGICAL UNIVERSITY PG Centre at Mysore is running M.Tech. MBA MCA programmes. As a PG Coordinator of the region, I was responsible for monitoring the various Research and Academic activities of the PG department under VISVESVARAYA TECHNOLOGICAL UNIVERSITY PG Centre, Mysore and also coordinating with all the Professor of various departments for smooth conduction of PG courses at the center.

i. Worked as Director IT, Computer Science, School of Science & Technology, Karnataka State Open University, Mysore Oct 2011 to Jan 2013.

- As the Director of the University, I was instrumental in starting new PG and UG courses in Science and Technology.
- As a Director of School of Science and Technology, I was instrumental in starting Online PG and UG programs and online Kannada programs for non-Kannadigas which is a global program. The online program of the University was very well appreciated and has received the e-India award for best online practice in open distance learning. I was also instrumental in setting up of studio and development center for content generation and delivery.
- As the Member of the Academic Council of the University and as the member of the PhD regulation committee, I have taken active role in framing rules and regulation for PhD programs of the university and other academic activities.
- As the Chairman of the Inspection committee for online programs, (For University partner institutions), I've taken active role in designing Courseware module, suggesting Technology modules and IT infrastructure for the University Partner institutions.
- As a Director (IT), I was instrumental in preparing tender specification documents and pre-qualifying criteria for designing, developing and implementation of end to end integrated web based University ERP System / University automation system.
- Proposed and developed the robust Learning Management system architecture for the University, under my supervision.
- As the Director I was instrumental in establishing complete Digital Knowledge Centre.
- As a member of the Technical committee for the evaluation of University ERP system, I have prepared tender evaluation document and scheme with mass distribution details for smooth evaluation of tender evaluation process.

- For empowering University distance education programs I have suggested web based/mobile/Tablet supported interactive learning solutions by developing interactive courseware digital content development/interactive book applications.
 - As the Member of the Technical Committee for digital courseware content evaluation. I was instrumental in developing e-procurement tender document with instruction manuals for bidders, general and specific condition of contract, technical requirements, mutual obligation and risk identifications.
 - As the Chairmen of the Board of Studies for Online MBA Program, I have taken active role in designing the course content and digitization of the study material. The infrastructure for digital course content was developed in the university under my Supervision. This is the first University in Karnataka & first Open University in India to build such an infrastructure to develop digital content in-house.
 - As the Member of the Board of Studies (in-house programs of the university) for Information Technology, I have taken active role in designing and implementing the syllabus for Science and Technology for Diploma, UG and PG courses in par with the industry standards.
 - As the Member & Chairman for Board of Studies for University Partnership Institutions for IT and other Science and Technology courses. I have made valuable contributions for preparing the syllabus as per the university and industry standards.
- j. Worked as Head of the Department of Computer Science & Engineering, **JSSATE, Bangaluru (from 2002 to 2011)**. Department got NBA , for the first time
- k. Worked as a Lecturer in the Department of Mathematics, **JSSATE, Bangaluru (from 1997 to 2002)**.
- l. Worked as a Lecturer in **University of Mysore, Mysuru. in the Department of Mathematics s**

Awards and Scholarship

1. **2015 Leaders Award**
 - 24 MRC & IBN 7 Television Broadcast has confirmed 2015 leader award for achieving e – Learning consultant of the year
2. **Indo-US National Award for Teaching Excellence by Indo-US Foundation (INDUS)**
 - Indo-US foundation, New Jersey , USA organized Indo-American education summit -2013 and confirmed the National award for teaching excellence for those academicians who have made

valuable innovation in teaching methods and valuable contributions for promoting use advance ITC teaching Aids and Instructional Technology and also for making valuable research contributions, publications scholarly excellence and etc.,

3. Asian Education Leadership Award - Best Director, awarded by Asian Confederation of Business with CMO Asia as its strategic partner and Stars of the Industry Group as a research partner, Dubai.

- The award of highest stature are presented to the individuals and intuitions who have surpassed several level of excellence and set an example of being a role model and exemplary leadership and also for those individuals for building their institutions through leadership, innovation, academic and industry interface with a supreme objective of building future leaders.

4. e-India award, for the best open and distance learning initiation for online program offered by Karnataka open university, organized by IT & C government of Andhra Pradesh ,UGC, All India Council of Technical Education, UNESCO and others.

- This award is presented to the University and the team behind the online programs (Technical and technology support partners)

5. Awarded certificate of Merit for the Research Paper entitled “On Assignment Of Node Number in a Computer Communication Network”, World Congress on Engineering and Computer Science 2008, International Association of Engineers, UC Berkely USA.

6. Recipient of Young Mathematician Best Research Paper Award of the year 1995-96 from Ramanujam Mathematical Society.

7. The research project entitled “Split document Image Mosaicing” which was presented in ICINC (IEEE Malaysia Chapter) was appreciated and awarded by the Vice Chancellor, Visvesvaraya Technological University, Belgaum, Karnataka.

8. "INDO GLOBAL BEST SENSIBLE PROJECT OFFICER AWARD 2014"-awarded by Indo Global Chamber of Commerce, Industries & Agriculture.

9. National Merit Scholarship from MHRD Govt. of India for the years 1991-92 & 1992-93.

10. Subject scholarship in Mathematics from University of Mysore for securing highest marks for the year 1991-92 & 1992-93.

11. Research Fellowship

- Awarded by the University of Mysore to pursue Research work.

12. Quiz in Mathematics

- Participated and secured 1st Prize (Team Prize) in Quiz Programme conducted by All India Radio, Mysore on 18th April 1992.

Membership and other positions occupied in Academic bodies:

1. Served as member, Board of Evaluation panel, **University Grants Commission** (NET, GRF etc.), MHRD, Government of India.
2. Served as member of the **University Academic Council/Senate**, Karnataka State Open University, Mysore, Karnataka, INDIA.
3. Served as **Principal Investigator for the project entitled “Expansion of Technology Enhanced Learning Initiatives of Visvesvaraya Technological University”** under the centrally sponsored plan scheme of National Mission on Education through Information Communication Technology under grant-in-aid of **NPTEL-NMICT, MHRD, Govt. of India, and New Delhi**.
4. Served as Member convener for local enquiry committee for inspecting Engineering Colleges affiliated to **Visvesvaraya Technological University** for continuation and extensions of affiliations.
5. Serving as the member of the technical evaluation panel- **Institutions' Innovation Council (IIC), Ministry of Education's Innovation Cell, Govt. of India**. For verification of applications (ideas/innovations/startups) scouted from stakeholders such as students/faculty/staff/incubated startups are developed/supported at the institute.
6. Technical Committee member of 10th IEEE International Conference on Information and Network Technologies (March 12-14, ICINT 2025), Melbourne, Australia Organized by Latrobe University, Australia and Ritsumeikan University, Japan
7. Serving as member and chairman of the IQAC, Gandhinagar University, Gandhinagar Gujarat, India.
8. Serving as member and chairman of the academic council, the board of management and the member of the Governing council Gandhinagar University, Gandhinagar, Gujarat, India.
9. Serving as member and chairman of University Examination Board, Gandhinagar University, Gandhinagar, Gujarat, India
10. Serving as member and chairman of University Equivalence Committee, Gandhinagar University, Gandhinagar, Gujarat, India
11. Serving as member and chairman of Research Advisory Board, Gandhinagar University, Gandhinagar, Gujarat, India
12. Serving as member and chairman of Student Startup Innovation Policy fund (Sponsored by Govt. of Gujarat fund), Gandhinagar University, Gandhinagar, Gujarat, India

13. Serving as member and chairman of SSIP/IPR Fund (Sponsored by Govt. of Gujarat), Gandhinagar University, Gandhinagar, Gujarat, India
14. Serving as chairman of NEP assurance cell, Gandhinagar University, Gandhinagar, Gujarat, India
15. Serving as a chairman of the Capacity building and Faculty development cell, Gandhinagar University, Gandhinagar, Gujarat, India
16. Serving as a chairman of the Electoral cell, Gandhinagar University, Gandhinagar, Gujarat, India
17. Serving as a chairman committee for implementation of multidisciplinary and holistic education, Gandhinagar University, Gandhinagar, Gujarat, India
18. Serving as the chairman of the committee for enhancing digital competencies and online education, committee for implementation of internship embedded degree programs(apprenticeship), Gandhinagar University, Gandhinagar, Gujarat, India
19. Serving as the chairman of the committee for implementation equitable and inclusive education, Gandhinagar University, Gandhinagar, Gujarat, India.
20. Senior Member of IEEE. (Member ID #100282417) and seating faculty member of IEEE student chapter of Gandhinagar University.
21. Serving as chairman of implementation of IEEE blended learning program in Gandhinagar University with the support Global IEEE USA.
22. Served as Governing Council Member at **T. John Institute of Technology, Bengaluru.**
23. Serving as the member of the Academic Council **Madhav University** , Abu Road Rajasthan
24. Serving as member and chairman of the **Madhav University** NAAC core committee
25. Serving as member and chairman of **Madhav University** Electoral literacy and Extension cell
26. Serving as member and chairman of Madhav University Faculty Development cell
27. **Nodal Officer** representing Madhav University for implementation of NEP 2020 in coordination with **Department of Higher Education Government of Rajasthan and UGC.**
28. **Served as** member of the **Innovation Circle:** Communicating the culture of innovation to Enterprises, **The NCSTC Division, Department of Science and Technology, Govt. of India**
29. Served as member of the technical evaluation committee for end-to-end integrated web based University ERP system/University automation system, **Karnataka State Open University.**
30. Served as member of the technical evaluation committee for design, development and implementation of digital courseware content development and integrated digital book application, **Karnataka State Open University.**
31. Chairman Board of studies, MBA (Online), **Karnataka State Open University, Mysore.**

32. Served as member Board of studies for IT and CS (both PG and UG), Karnataka **State Open University**, Mysore.
33. Served as member Board of Studies for IT and CS programs offered by Shiksha Bikasha Trust Orissa and KARNATAKA STATE OPEN UNIVERSITY, Mysore.
34. Served as member Board of Studies for all programs offered by Prakruth Education Trust, Bangalore and KARNATAKA STATE OPEN UNIVERSITY, Mysore.
35. Chairman Board of Studies for Multimedia, Animation and Gaming Programs (UG and PG) offered by KARNATAKA STATE OPEN UNIVERSITY jointly with ILA creative technologies Pvt. Ltd. New Delhi.
36. Chairman Board of Examination (SVT), 2011-12, for all Diploma, B.Tech, M.Tech, BSc (IT), MSc (IT) Programs, **Karnataka State Open University**.
37. Board of Examination for Multimedia, Animation and Gaming Programs (UG and PG) offered by KARNATAKA STATE OPEN UNIVERSITY jointly with ILA creative technologies Pvt. Ltd. New Delhi.
38. Honorary Advisor, Research and development, Zeenia Systems India Pvt. Ltd.
39. Served as member and Chairman, Board of Examination 2007-08-09, Karnataka State Open University, Manasagangothri, Mysore, Karnataka, India for M.Tech Information Technology.
40. Served as life Member for Indian Society for Technical Education.
41. Served as member for Computer Society of India.
42. Served as member for International Association of Engineers.
43. Served as member of Indian Society for Science and Technology.
44. Convener of the student committee of CSI Bangalore.
45. Appointed as Session chair for International conference on Information Communication Technology in 2010 organized by School of Computing, University of Colombo, Srilanka.
46. Recognized as Research Guide in Sathyabhama University, Chennai, JNTU, Hyderabad , VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belgum.
47. Chairpersons of the department council of computer science, information technology, mathematics, environmental science, Karnataka State Open University, Mysore.
48. Served as member Board of studies for MSc(CS) and MCA courses, **Vijayanagara Sri Krishnadevaraya University(VSKU)**, Bellary, Karnataka.
49. Served as member Board of studies for Postgraduate diploma in cyber security and law courses, **Vijayanagara Sri Krishnadevaraya University (VSKU)**, Bellary, Karnataka.
50. Served as member Board of studies for Computer Science and Engineering, Computer Science Applications, **APEX Professional University**, Arunachal Pradesh.

51. Tender inviting, evaluating and scrutiny committee member ,**Rajeev Gandhi University of Health Sciences, GoK** for procurement of
- Secured and managed multi-protocol labeled service connectivity for all digital evaluation centers.
 - Gold medals for 18th convocation – 2016
 - Secured scanning of answer booklets/scripts and online screen marking /digital answer script scan.
 - Softwar and services for online eligibility certificate.
 - Procurement of desktop computers, UPS and network solution for digital evaluation.
52. Served as technical member for evaluating correctness of digital evaluation software & services of **M/s Eduquity Career Technology Private Limited** for commencement of digital evaluation at **RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES.**
53. Served as committee member for preparing technical specifications and security features of the preprinted blank marks cards/ grade sheets/statement of marks / tender documents of for procurements and printing variable data with security data at **RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES.**
54. Member invitee for procurement of goods and services to **RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES.**
55. Served as the technical member for preparing for scope of the work and technical specification **Digital evaluation software and services / online onscreen marking software and services for answer sheets for UG and PG exams of the university.**
56. Served as a committee member to study and submit the report for conducting of **online entrance examination for PG Super specialty courses and Post Graduate Ayurveda, Homeopathy, Naturopathy and Yogic Science ,Nursing, Pharmacy, Pharmacy, Physiotherapy, Pharma-D (Post Graduate) Courses conducted by Rajiv Gandhi University of Health Science for 2016-17.**
57. Served as chief coordinator of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY Digitalization Center** for digital valuation work of UG answer Scripts May/ June / July 201 4**VISVESVARAYA TECHNOLOGICAL UNIVERSITY Examination.**
58. Served as a Technical Member for preparing the scope of the work for **“Cloud Hosted Remote Access Service for anywhere, anytime access to e-resources(E-journals, E-Books, E-Videos, E-Content etc) subscribed under HELINET under consortium of RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES for the year 2016 for University affiliated colleges and students, as per KPTT Act.”**

59. Served as member of the preliminary investigation committee for the investigation of alleged PG seats in one of the affiliated institution affiliated to **Rajiv Gandhi University of Health Science**
60. Served as the technical member and **member secretary** for implementation of **Digital evaluation system / online onscreen marking system for B.Tech, M.Tech and MBA programs of Sreenidhi Institute of Science and Technology, Hyderabad.**

RESEARCH:

- a. Worked as a Research Associate in Department of Studies in Mathematics & Research in University of Mysore, Mysore
- b. Broad Research in which the research progress is made till date
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 - *Vulnerability analysis and risk assessment of wireless communication networks and cloud systems: Identifying, mitigating, and securing against emerging threats*
 - *Forensic methodologies for ransomware and threat for data security*
 - *On applications of Machine learning and deep learning for advanced predictive analysis of renewable energy systems*
 - *Deep learning techniques for Cancer disease prediction using deep field forward neuro networks and graph neural networks*
 - *Deep learning techniques for accurate liver abnormality detection and disease prediction using deep field forward neuro networks*
 - *Hybrid Deep learning models techniques for agriculture crop yield production*
 - *Application of machine learning techniques for cardiac Arrhythmia disease classification and prediction*
 - *Automatic text summarization using AI and deep learning techniques*
 - *Topological Design of Computer Communication Network using Graph Algorithms”*

- *Lawful interception of multicast traffic in Broadband Service Router.*
- *Dynamic Allocations of resources to Virtual Path Agents.*
- *Unfairness issues in IEEE 802.11 wireless LANs*
- *Strategies for software configuration in software development.*
- **Advanced ICT strategies for effective University e-Governance**
- **On design of LMS architecture for open distance learning.**

Recognized as guide for supervising Ph.D. Research Work

SL. No	University
1	Visvesvaraya Technological University, Belgaum, Karnataka.
2	Jawaharlal Nehru Technological University, Hyderabad
3	Gandhinagar university, Gandhinagar, Gujarat

Ph D Awarded and Research Guidance Details:

Sl No	Name	Title	Status
1	Nethravathi B	On Design of Topological Structures of Interconnection Survivable Computer Communication Networks	Awarded
2	Srinivasa H P	A Novel Approach to Co-Operative Routing Protocols for Wireless Networks to Achieve Energy Efficient QoS	Awarded
3	Manjunath Guru	Gait Recognition For Human Identification	Awarded
4	Fayaz Dafedar	Effective Hybrid Recommendation System for e-Learning Framework	In Progress
5	Devi Prasad Mishra	Hybrid IDS based anomaly detection in cloud computing	In Progress

6	Snehalatha	Designing Routing Mechanism for fault tolerance and recovery in IP Networks.	In Progress
7	Annie Sujith	Energy Efficient Adaptive Routing Algorithm Based on Fuzzy Inference Using Zone based Clustering of Wireless Sensor Network	Awarded
8	Mr Vikas Chandra Sharma	Data Science Enabled Use of Website Traffic Analysis	Synopsis accepted
9	Mr Chandan Chandwani	Enhancing The Forecasting of Renewable Energy System By Application Of MI And DI Model	Synopsis accepted
10	Mr Vipul Gajjar	Agricultural Commodity Price Predictor	Synopsis accepted
11	Mr Jay Raval	Movie Recommendation System Using Machine Learning	Synopsis accepted
12	Mr Dinesh V Patel	Wheat Seed Classification Using Ensemble Machine Learning Approach	Synopsis accepted
13	Mr Shivaji Patil	Forensic Techniques for secure data management with special reference to Ransomware, Threat' Investigation	Synopsis accepted
14	Mr M Kirankumar	Temporal summarization of Telugu Text	Synopsis accepted
15	Mr Dhaval Chudasama	On vulnerability analysis of wireless networks for cloud systems.	In Progress

Area of Research Interest:

Topological based Computer Networks, Image and video processing, Text Clustering, e-Content course ware development using multi quadrant approach Object Recognition, 2D Shape Analysis, Multi model Biometric based visual surveillance, IoT and smart system, Machine learning, Deep Learning, Cyber Security & Cyber Forensics.

Sponsored projects:

- 1. The MHRD Govt of India, New Delhi has awarded a project and released a fund of rupees seventy lakhs to Develop Remaining Three Quadrants to NPTEL Phase-I under grant-in-aid of NMEICT, MHRD, Govt of India, New Delhi.**
2. Co-investigator for research proposal DST/RPST/RD/2014-2015
3. The proposal entitled – **“Spreading digital literacy for teachers’ empowerment & producing advanced e-content to build student talent portfolios in medical education “**, Submitted to MHRD, GOI,

New Delhi, for RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES , KARNATAKA.

4. MODROB Project sponsored by AICTE (2008-09).
5. Project on “Kannada Characters Recognition” sponsored by KSCST (2010).
6. A project on “GO GREEN TICKETING SYSTEM” for BMTC, KSRTC and METRO sponsored by KSCST (2011).
7. Developed e Learning content on “Data Communications” for NPTEL –NMICTE phase-I courses under the grant-in-aid by MHRD, Govt. of India, New Delhi.

Adjudicator PhD Thesis:

Worked as the Panel of Examiner for Evaluation for PhD Thesis evaluation in the following Government and private universities

- Fakir Mohan University, Vyasa Vihar, Balasore , INDIA.(Government of Odisha)
- Jawaharlal Nehru Technological University, Hyderabad. INDIA (is a government public university, located in Hyderabad, Telangana)
- Jawaharlal Nehru Technological University, Kakinada (government public university, in Kakinada, East Godavari district, in AndhraPradesh state, India.)
- Manonmaniam Sundaranar University Tirunelveli, Tamil Nadu. (state Government public University)
- Karnataka University Dharwad Karnataka, India. (state public University)
- University of Mysore Mysore karnataka India(state government public University)
- CV Raman University Chattisgarh, India.(a private University)
- Chaudhary Charan Singh University (formerly, Meerut University) ,Uttar Pradesh, India.(state Government public University)
- University of Jammu , J and K, India . (government public University)

- Sri Satya Sai University of Technology and Medical Sciences
Bhopal-Indore , Madhya Pradesh , INDIA.(private University)

Conferences, Seminars and Workshop participated:

1. Attended and delivered a session on” enhancing students engagement through strategic content in higher education” organized by D2L today and observe now media on 6th June 2025, <https://in.linkedin.com/in/prof-dr-kamalesh-v-n-57b435a4>
2. Invited as a speaker for 8th education leaders conclave organized by NXT WAVE and University of engineering and management in Mumbai on 25th October 2024, <https://x.com/ObservenowMedia/status/1835591463989608920>
3. Attended, Delivered key note address on knock out digital fraud organized by Bajaj finance limited for technical staff of non banking financial organizations on 11th june 2025.
4. Attended workshop on Implementation of NEP2020 in the state of Rajasthan, Organized by Department of higher education , government of Rajasthan, at Manipal university , Jaipur, Rajasthan.
5. Attended 5 days’ workshop on “Incorporating Universal Human values in Technical Education” organized by **Visvesvaraya Technological University in association with AICTE – SWRO**, Bengaluru during 2nd May to 6th May 2020.
6. Attended one day Workshop on “New NAAC Accreditation Process for Engineering Colleges” conducted at **Visvesvaraya Technological University**, Regional Office, Bengaluru under TEQIP 1.3 during 25th October 2019.
7. Adobe Education Leaders Seminar 2016, 16 June - 18 June 2016, **Colombo, Sri Lanka**
8. Participated in 4 Days Workshop on “Outcome Based Accreditation Workshop (NBA) - 2014” conducted at **Visvesvaraya Technological University**, Department of PG Studies, Mysore during Jan 15th (WEBINAR) and Feb 3rd to 5th 2014.
9. Attended **MHRD-NMEICT** event on “Up-Scaling and Mainstreaming of Technology enabled Learning in Higher Education” in India, organized by **IIT Bombay and MHRD**, Govt. of India.
10. Attended, Delivered invited Lecture and chaired a session in the two days National Conference On Science, Technology & Environment Prospects and limitations in the 21st Century(NCSTEPL-2017)the conference organized by Bineswar Brahma Engineering College, Chandrapara,

Kokrajhar, Assam, India in (A Govt of Assam Institution), 30th& 31st October 2017.

11. Attended, Delivered invited Lecture and chaired a session in the 5th International Conference on Science, Technology & Management (ICSTM-2017) organized by Conference Info in association with Academic Science at The Institution of Engineers India, Visvesvaraya Bhavan, Hyderabad, Telangana, India on 3rd December 2017
12. Attended, Delivered invited Lecture and chaired a session in the 5th International Conference on advancement in Engineering, Applied Science and Management (ICAEASM-2017), the conference organized by Conference Info in association with Academic Science at Institution of Electronics and Telecommunication Engineers. Bengaluru, Karnataka, India on 26th November 2017
13. Presented the paper titled “Mutual Similarity Value of Two Quartile Intervals Based Approach On Background Image Modeling”, in National Conference on Emerging Research Trends in Technology of Modern Computing, Applications & Networking (TECHMAN – 14) conducted by Acharya Institute of Technology, Bangalore during Jan 2014.
14. Attended and Delivered a Lecture on “Technology Enabled Digital Learning for Technical Teachers Empowerment” in ICETEA (International Conference on Emerging Trends in Engineering and Applied Science) organized by Rajasthan College of Engineering for Women and Rajasthan Technological University during Dec 27th 2013.
15. Attended “Indo American Educational Summit” organized by AICTE and INDUS Foundation at Hyderabad during Feb 2nd and 3rd - 2013.
16. Participated in Workshop entitled “Up-Scaling and Mainstream Technology Enabled Learning in Higher Education in India” organized by MHRD-NMIECTE at IIT Mumbai during 25th - 26th Feb - 2013.
17. IEEE international Conference in e-Education, Entertainment and e-Management (ICEEE), Dec 2011, **Indonesia**.
18. IEEE international Conference in Advances in ICT for emerging regions (ICTer) 2010, **Colombo Sri lanka**.
19. Chaired sessions at **IEEE** sponsored, 3rd International Conference on Computer and Electrical Engineering - ICINEE 2010 (Nov. 2010) held at **University of Technology Mara, Malaysia**.
20. Research Workshop at IIIT, Hyderabad on 29-1-2010 to 30-1-2010.
21. Chaired sessions in the 3rd National Conference in Recent Trends in Information Technology organized by SJBIT Bangalore April 4th 2009.

22. Chaired sessions in the 4th National Conference in Recent Trends in Computer Science Engineering organized by SJBIT Bangalore October 10th 2010.
23. Fifth National conference on communication held at IIT, Guwahati on 16-1-2009 to 18-1-2009 sponsored by **Dept. of ECE, IIT, Guwahati.**
24. World Congress on Engineering and Computer Science 2008, **IAENG, UC Berkely USA. 22nd to 24th October.**
25. Instructional Workshop on Design and Analysis of Algorithms sponsored by UGC, Karnataka University, Dharwad, 24th – 27th March 2008.
26. National Seminar on Advanced Networking Technologies, sponsored by AICTE, FISAT, Cochin, Kerala, 08th August 2007 – 10th August 2007.
27. Workshop on “Corporate Initiatives for collaboration with the Academia in the IT sector” organized by BITES on 29th September 2007. at Infosys Technologies, Electronic City, Bangalore.
28. International conference on Software Agents, 5th - 6th September, 2003 held in Bapuji Institute of Engineering & Technology, Davanagere, Karnataka, India.
29. International Symposium in Mathematics and its applications from June 15th – 16th, Sri Venkateshwara University, Titupati.
30. International conference in Discrete Mathematics and Applications to Computer Science from January 3rd – 5th 1996, Tiruchinapalli.
31. National Conference on Document Analysis and Recognition, Department of Computer Science & Engineering, P.E.S College of Engineering, Mandya.
32. Three days workshop on Recent Trends in Software Engineering Tools and Techniques conducted by Infosys, Bangalore.
33. 10th Annual Conference of Ramanujam Mathematical Society for May 25th – 27th 1995, Rishikesh, India.
34. 77th Annual Conference in Economics (Econometrics), University of Mysore, Mysore.

Research Publications:

1. **Kamalesh V. N.,** Jay Sureshchandra Raval, **and** Dr. Rajkumar Patra, “An Intelligent Learning Approach for Cardiac Arrhythmia Classification Using

Dilated Temporal Convolution Network with Spatial Attention Mechanism”,
International Journal of Technical Education (IJTE by ISTE) ISSN: 0971-3034.

2. **Kamalesh V. N.**, Jay Sureshchandra Raval, **and** Dr. Rajkumar Patra, “Dual-Source DeepRhythmNet: A Self-Supervised Transformer Approach To Multi-Class Ecg Arrhythmia Detection”, International Journal of Engineering Research and Science & Technology (IJERST) ISSN: 2319-5991, Vol. 21 No. 3 (1) (2025), <https://ijerst.org/index.php/ijerst/article/view/1168>
3. **Kamalesh V. N.**, Jay Sureshchandra Raval, **and** Dr. Rajkumar Patra, “Advancements in Artificial Intelligence for Arrhythmia Classification: Integrating Machine Learning and Deep Learning Techniques”, International E-Conference on "Recent Innovations In Research and Healthcare: Integrating Technology and AI" Conference Title: - International Conference on Multidisciplinary Research and Healthcare (ICMRH,2025).
4. **Kamalesh V. N.**, Jay Sureshchandra Raval, **and** Dr. Rajkumar Patra, “Multi-Scale Attention-based Residual Transformer Network (MSARTNet) for ECG-based Arrhythmia Classification”, 8th International Conference on Intelligent Computing and Communication (ICICC-2025) CMR-Hydrabad.
5. **Kamalesh V. N.**, Jay Sureshchandra Raval, **and** Dr. Rajkumar Patra, “A Meta-Heuristic Aided Arrhythmia Classification Model Using Advanced Deep Learning Technique with Multiple Feature Extraction Mechanisms”, SCOPUS Journal in Process.
6. **Kamalesh V. N.**, Dinesh Patel, and Dr. G. Madhukar, “Recurrent MobileNetV2-Based Crop Image Classification Model for Producing High Yield in the Agricultural Sector”, International Journal of Technical Education (IJTE by ISTE) ISSN: 0971-3034,
7. Chandwani, C., & **Kamalesh, V. N.** (2025). Harnessing the Sun: Implementation of Statistical and ML and ANN Based Models for Solar Forecasting, which has been published by International Journal of Scientific Research in Science and Technology (www.ijrsr.com) DOI Ref: <https://doi.org/10.32628/IJSRST251222605>, 12(2), 631–639.
8. Chandwani, C. (2024). Renewable Energy Forecasting: A Comparative Study of Machine Learning and Deep Learning Architectures” which was published by International Journal of Intelligent Systems and Applications in Engineering (www.ijisae.com) Ref: <https://ijisae.org/index.php/IJISAE/article/view/7109>, 12(23s), 1013–1025.
9. Chandwani, C., **Kamalesh, V. N.** (2025). Technological Readiness and Scalability of Emerging Energy Storage Systems for Solar and Wind Integration. International Journal of Research Publication and Reviews, 6(5), 11607–11615.
10. Chandwani, C., & **Kamalesh, V. N.** “Analytical Application of Machine Learning and Deep Learning Models for Optimization and Performance

Enhancement in Renewable Energy Systems” was presented at the International Conference on Social Sciences (ICSS) 2025

11. **Kamalesh V. N.**, Kiran Kumar M, and Srinivas Konda, “A New Automatic Approach for Multi-Documents Text Summarization through Multiscale Transformer-Bidirectional Gated Recurrent Unit”, Indian Society For Technical Education, volume 48, 2025.
12. Chandwani, C., & Kamalesh, V. N. “Data-Driven Fault Diagnosis in Renewable Energy Systems: Improving Accuracy with Machine Learning Algorithms” at the ICIST NEO 2025 International Conference, hosted by Gandhinagar University.
13. **Kamalesh V. N.**, Dinesh Patel, and Dr. G. Madhukar, “Image Classification-Based Crop Yield Prediction Framework for Precision Agriculture Decision Support”, International Journal of Data Science and IoT Management System (IJDIM) ISSN: 3068-272X, 2025,4(3),215–220, <https://ijdim.com/journal/index.php/ijdim/article/view/107/102>
14. **Kamalesh V. N.**, Dinesh Patel, and Dr. G. Madhukar, “Hybrid Deep Learning Model for Crop Image Classification Using MobileNetV2, BiLSTM, and Marine Predators Algorithm”, International E-Conference on "Recent Innovations In Research and Healthcare : Integrating Technology and AI" Conference Title :- International Conference on Multidisciplinary Research and Healthcare (ICMRH,2025).
15. **Kamalesh V. N.**, Dinesh Patel, and Dr. G. Madhukar, “A Hybrid Deep Learning Framework utilizing BiLSTM and 3D-CNN with Grey Wolf Optimizer for Crop Image Classification”, 8th International Conference on Intelligent Computing and Communication (ICICC-2025) CMR-Hydrabad.
16. **Kamalesh V. N.**, Dinesh Patel, and Dr. G. Madhukar, “An Efficient Crop Images Classification Process using Ensemble Convolution Features-Integrated Multi-scale and Dilated Adaptive Deep Network for High Yield Production”, SCOPUS Journal in Process.
17. **Kamalesh V. N.**, Krunal Prajapati, and Dr. Shankar Nayak Bhukya, “A Data Mining Approach towards Automated Liver Disease Prediction with the Nested Dilated Cascaded LSTM Network”, International Journal of Technical Education (IJTE by ISTE) ISSN: 0971-3034.
18. **Kamalesh V. N.**, Krunal Prajapati, and Dr. Shankar Nayak Bhukya, “Hybrid Social Spider Optimization And Pretrained Cnns For Accurate Liver Abnormality Detection”, Journal of Science Engineering Technology and Management Sciences 2(7(S)):129-140, https://www.researchgate.net/publication/393604637_HYBRID_SOCIAL_SPIDER_OPTIMIZATION_AND_PRETRAINED_CNNS_FOR_ACCURATE_LIVER_ABNORMALITY_DETECTION

19. **Kamalesh V. N.**, Krunal Prajapti, and Dr. Shankar Nayak Bhukya, “Liver Disease Prediction Using Deep Feedforward Neural Network, BiLSTM, and CNN with RMSProp Optimizer”, Internation E-Conference on "Recent Innovations In Research and Healthcare : Integrating Technology and AI" Conference Title :- International Conference on Multidisciplinary Research and Healthcare (ICMRH,2025), r Presented 15-17 July-2025.
20. **Kamalesh V. N.**, Krunal Prajapti, and Dr. Shankar Nayak Bhukya, “Early Prediction of Liver Disease Using Hybridization of DFNN and CNN”, 8th International Conference on Intelligent Computing and Communication (ICICC-2025) CMR-Hydrabad,
21. **Kamalesh V. N.**, Krunal Prajapti, and Dr. Shankar Nayak Bhukya, “A Deep Learning Inspired Liver Disease Prediction Model with Optimal Weighted RBM Kernels for Feature Extraction and Hybrid Deep Residual Network”, SCOPUS Journal in Process.
22. **Kamalesh V. N.**, Vipul Gajjar, and Dr. Kavitha Rani Balmuri, “Cancer Classification Utilizing Medical Images”, “Journal of Science Engineering Technology and Management Science”, 2(7(S)):1-10.
23. **Kamalesh V. N.**, Vipul Gajjar, and Dr. Kavitha Rani Balmuri, “A Methodical Framework for Cancer Image Classification Using an Integrated Deep Learning Model of Generative Adversarial Networks (GANs) and Residual DenseNet”, Internation E-Conference on "Recent Innovations In Research and Healthcare : Integrating Technology and AI" Conference Title :- International Conference on Multidisciplinary Research and Healthcare (ICMRH,2025), Paper Presented 15-17 July-2025.
24. **Kamalesh V. N.**, Vipul Gajjar, and Dr. Kavitha Rani Balmuri, “An Attention-Enhanced Graph Neural Networks with ResNet-50 for Multi-Class Cancer Classification Utilizing Medical Images”, 8th International Conference on Intelligent Computing and Communication (ICICC-2025) CMR-Hydrabad.
25. **Kamalesh V. N.**, Vipul Gajjar, and Dr. Kavitha Rani Balmuri, “An Intellignet Cancer Image Classification Framework Using Region-Vision Transformer-based Adaptive Multiscale EfficientNetB7 with Gated Recurrent Unit Layer”, SCOPUS Journal in Process.
26. **Kamalesh V. N.**, Shivaji P.Patil, and Dr. Kalyan D. Bamane “Forensic Techniques:- Investigation of Ransomware and Threats For Data Security”, INTERNATIONAL CONFERENCE ON CYBERTECH AND SMART SYSTEM (ICSS 2025)@ D. Y. Patil College of Engineering, Akurdi, Pune.
27. **Kamalesh V. N.**, Shivaji P.Patil, and Dr. Kalyan D. Bamane, “Forensic Techniques: Investigation of Ransomware Threats”, International Journal of Trends in Engineering Journal (IJTE), Vol. 48 Special Issue No. 01, 2025.
28. **Kamalesh V. N.**, Shivaji P.Patil, and Dr. Kalyan D. Bamane, “Investigating Ransomware Through Forensics: The EternalBlue Case and Its Implications fo

Data Security”, International Journal of Trends in Engineering (IJTE), Vol. 48 Special Issue No. 01, 2025.

29. **Kamalesh V. N.**, Shivaji P.Patil, and Dr. Kalyan D. Bamane, “An Integrated Digital Forensic Response to Ransomware Threats Leveraging CVE Exploits and Threat Intelligence”, International Journal of Computer Networks and Applications (IJCA), Accepted.
30. **Kamalesh V.N**, Manjunatha Guru V.G., Apoorva K.B, “An Ensemble Learning Based Approach for Real-Time Face Mask Detection”, Volume 12, Issue 3, pp.8-12, June- 2024
31. **Kamalesh V. N. , Yash Dipakkumar kanani, et al.**, “AI for Threat Detection & Response”, International Journal of Scientific Research in Engineering and Management (IJSREM) ISSN: 2582-3930, Volume: 09 Issue: 09, 2025.
32. **Kamalesh V N**, Manjunatha Guru V G, Apoorva K B, Tejaswini V G, “Social Computing in Digital Democracy: Observations, Challenges, and Solutions”, Volume 12, Issue 8, August-2024
33. **Kamalesh V N**, Srinivasa H P, “A Cluster Based Connected Dominating Set Routing Protocol in Mobile Ad Hoc Networks”, Journal of Shanghai Jiaotong University, Volume 16, Issue 7, July – 2020, <https://www.semanticscholar.org/paper/A-Cluster-Based-Connected-Dominating-Set-Routing-in-Kamalesh/0a49f5c2b642f54cbfa474a1a405207073105371>
34. **Kamalesh V N**, Srinivasa H P, “A Cross-Layer Elastic Cooperative QoS Routing for MANETs”, GIS SCIENCE JOURNAL, Volume 7, Issue 6, 2020, pp. 414-425.
35. Kamalesh V N, Manjunatha Guru V G, “Interval Based Speed Invariant Gait Recognition”, International Journal of Future Generation Communication and Networking, ISSN: 2233-7857, Vol. 13 No. 3 (2020) pp. 659-665, https://d1wqtxtslxzle7.cloudfront.net/116624904/19180_ArticleText_28771_1_10_20200529.pdf?1720345120=&response-content-disposition=inline%3B+filename%3DInterval_Based_Speed_Invariant_Gait_Reco.pdf&Expires=1759053080&Signature=JZmk1xYSXHF5EhWR97PuHfBSqblQbjA~pfQy2cD~ybW60NrAJN-kMiq0tQqllpnSjVW9tYjTeU76T7d9UW3P3NmAHoC4KyIJdWgTPM3F~ShWTpItVGPGmZZt0Ihg9ENyKwizmWS0IJNFqZ3KiVfk5ImkalpgXLB3c5t27z3FRRXZ88lrBEz-BIH5paNslbXV90pfImDBAfEUGiIhTCArU8oto4akN3Q-4udxta3Suh~rtDahEx75HNXb6aGAd8Z0We4CPQf7MCQqGB4Zx1910YevdJldicOVufQngm16ePAAPp6B9iC0i4C9PS~OfLEMYbc7KP03vEgxnR5Ua0l-DA_&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA
36. **Kamalesh V N**, Srinivasa H P, “A Node Ranking Based Cooperative Route Discovery Routing Protocol for achieving QoS”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, (2020), pp. 1306 – 1315

37. **Kamalesh V N**, Manjunatha Guru V G, “Part based clothing invariant Gait Recognition”, International Journal of Advanced Trends in Computer Science and Engineering, Vol 9, Issue 2, April 2020, Pages 1657-1661, https://www.researchgate.net/publication/341276321_Part_Based_Clothing_Invariant_Gait_Recognition
38. **Kamalesh V N**, Manjunatha Guru V G, “A Robust Part based Method for Human Gait Recognition”, International Journal of Engineering and Advanced Technology (IJEAT), Vol 9, Issue 4, April 2020, Pages 1657-1661, https://www.researchgate.net/publication/340739494_A_Robust_Part_based_Method_for_Human_Gait_Recognition
39. **Kamalesh V N**, Srinivasa H P, “Energy Efficient Co-operative Routing Mechanism for Mobile Ad-Hoc Networks”, International Journal of Future Generation Communication and Networking, ISSN: 2233-7857, Volume-13, No 1, April 2020, page No. 1006-1009.
40. **Kamalesh V N**, Nethravathi. B, “Computation of Maximal Connectivity for Fault Tolerance: Graph Theoretical Model and Algorithm”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, Mar 2020, pp. 412-417
41. **Kamalesh V N**, Manjunatha Guru V G, “Two Dimensional Histogram Based Human Gait Recognition”, Indian Journal of Computer Science and Engineering, Vol. 11 No. 2, pp 141-145, Mar 2020, <http://www.ijcse.com/docs/INDJCSE20-11-02-113.pdf>
42. **Kamalesh V N**, Manjunatha Guru V G “A Robust Human Gait Recognition Approach Using Multi-interval Features”, Data Analytics and Learning, pp. 51-63, Springer, Singapore, 2019, https://www.researchgate.net/publication/328746147_A_Robust_Human_Gait_Recognition_Approach_Using_Multi-interval_Features_Proceedings_of_DAL_2018b
43. **Kamalesh V N**, Srinivasa H P, “An Intelligent Neighbour Node Cooperative Routing Protocol for Ad Hoc Networks” International Journal of Advanced Science and Technology Vol. 28, No. 13, (2019), pp. 119-129
44. **Kamalesh V N**, Nethravathi. B, “Fault Isolation Technique for Decentralized Survivable Communication Network Systems via Regions and Paths”. Indonesian Journal of Electrical Engineering and Computer Science, Vol. 17, No. 1, January 2020. SCOPUS Indexed, https://www.researchgate.net/publication/339138358_Fault_isolation_technique_for_decentralized_survivable_communication_network_systems_via_regions_and_paths
45. **Kamalesh V N**, Srinivasa H P, “Multistage Energy Efficient Cooperative Routing Technique for Wireless Ad-Hoc Networks” International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019, https://www.researchgate.net/publication/364105446_Multistage_Energy_Efficient_Cooperative_Routing_Technique_for_Wireless_Ad-Hoc_Networks
46. **Kamalesh V N**, Nethravathi. B, “Cycle Checking Algorithm for verifying the Connectivity of a Fault Tolerant Network Structure” at International

- Journal of Engineering & Technology (UAE), ISSN: 2227-524X, Volume 7, Issue 4, September 2018, Page no: 2729-2732. SCOPUS Indexed.
47. **Kamalesh, V. N,** Manjunatha Guru V G, R. Dinesh “Human Gait Recognition Using Feature Level Fusion Approach” IEEE International Conference on Computing, Communication and Automation (ICCCA), 29-30 April 2016.
 48. **Kamalesh V N. & Manjunatha Guru V G.** " Two dimensional Histogram Based Human Gait Recognition", IJSIP, <http://www.ijcse.com/docs/INDJCSE20-11-02-113.pdf>
 49. **Kamalesh V N** and Manjunatha Guru V G, Skeleton Approach Based Gait Recognition for Human Identification, International Journal of Computing Science and Information Technology, Volume 1, Issue 01, Pages 20-24, IJCSIT, 2018, https://www.researchgate.net/publication/340739391_Skeleton_Approach_Based_Gait_Recognition_for_Human_Identification
 50. **Kamalesh V N,** Srinivasa H P, “A Cross Layer Energy Efficient Cooperative Medium Access Control Protocol for Wireless Networks” International Journal of Innovations & Advancement in Computer Science (IJIACS), ISSN 2347 – 8616, Page 325-330, Volume 7, Issue 5, May 2018.
 51. **Kamalesh V N. & V G Manjunatha Guru,** "Vision based Human Gait Recognition System: Observations, Pragmatic Conditions and Datasets", Indian Journal of Science and Technology, Volume 8, Issue 15, DOI: 10.17485/ijst/2015/v8i15/71237, July 2015. (CITED BY 20), <https://scholar.google.com/scholar?cluster=3977370128109706901&hl=en&oi=scholar>
 52. **Kamalesh V N. & V G Manjunatha Guru.R Dinesh,**"Human gait recognition using four directional variations of gradient gait energy image", IEEE International Conference on Computing, Communication and Automation (ICCCA), Greater Noida, India, pp.1367-1371, DOI: 10.1109/CCAA.2016.7813931, April 2016, IEEE. (Proceedings indexed by Scopus, <https://ieeexplore.ieee.org/document/7813931>
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 54. **Kamalesh VN. & Srinivasa HP,** “Performance Analysis of Cooperative Wireless LAN Hybrid Relaying Protocol”, IJRET, ISSN 2278-0181 Page 494-499, Vol 9, Issue 13, April 2015.
 55. **Kamalesh V N. & Srinivasa HP,** “Involuntary Exclusion of Unnecessary Packets for Smart Terminals in Wireless LAN Environments”, IJSET, ISSN 2348-4098, 22, Vol 4, Special Issue, May 2017
 56. **Kamalesh VN, & Srinivasa HP,** “Cooperative Communication Protocols in WLAN – A Comprehensive Review”, IJETSR, ISSN 2394–3386 Page no 868-873, Volume 4, Issue 10, October 2017.
 57. **Kamalesh VN, Srinivasa H P,** “A Study on Cooperative Routing protocols in Wireless Networks”, International Journal of Innovations & Advancement in Computer Science(IJIACS), ISSN 2347 – 8616, Page 351-355, Volume 6, Issue 11 November 2017.

58. **Kamalesh VN**, Nethravathi B., (2018) “Bisection Logic based Symmetric Algorithm for the Design of Fault Tolerance Survivable Wireless Communication Networks. “in Intelligent Communication and Computational Technologies. Lecture Notes in Networks and Systems, vol 19. Springer, Singapore. DOI http://doi.org/10.1007/978-981-10-5523-2_19, Print ISBN 978-981-10-5522-5, Online ISBN 978-981-10-5523-2. PP 203-211, https://link.springer.com/chapter/10.1007/978-981-10-5523-2_19
59. Kamalesh V N, Nethravathi. B, “Graph Theoretical Model and Algorithm to Compute Maximum Connectivity for Fault Tolerance” in International Conference on Materials, Applied Physics and Engineering (ICMAE), at Indore, India 3rd & 4th June 2018.
60. **Kamalesh VN**, Nethravathi, B., ,Nidhi H Kulakarni, and Apsara, M. B. (2016). Analysis of Techniques for Isolation of Faults in Survivable Computer Networks, Accepted for publication and presentation at **IEEE conference- ICEECCOT 2016 on 9-10th Dec 2016**, <https://ieeexplore.ieee.org/abstract/document/7955235>
61. Kamalesh V N, Nethravathi. B, “On The Node Indexing in The Topological Design of Computer Network Structures” in 2nd International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018) at Osmania University, Hyderabad, Telangana, India on 20th May 2018. Received Best Paper Award, Conference Proceeding; ISBN: 978-93-87433-24-3, page no. 354-358.
62. **Kamalesh VN**, B. Nethravathi, and V. G. Manjunatha Guru, “Topological Design of Computer Communication Network Structures: A Comprehensive Review”, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645, Indian Journal of Science and Technology, Vol 9(7), DOI: 10.17485/ijst/2016/v9i7/85211, February **2016**, <https://sciresol.s3.us-east-2.amazonaws.com/IJST/Articles/2016/Issue-7/Article5.pdf>
63. Kamalesh V N, Nethravathi. B, “On Survivability Testing and Computing the Node Connectivity of a Topological Structure of a Interconnection Network Graph” in 1st International Conference on Innovations in Computing & Networking (ICICN16). RRCE, Bangalore, India on 12th & 13th May 2016.
64. **Kamalesh VN**, V. G. Manjunatha Guru, and Ebnazer James, “Mutual similarity value of two quartile intervals approach on background image modeling”, IJMTR, Vol.3, No.1, pp. 92-93, 2014.
65. **Kamalesh V.N**, Bhukya Venkanna and Banothu John “A study on Reducing the Power Consumption of Wireless sensor Networks”, International Journal of Electronics Communication and Computer Engineering, Volume 3, Issue 4, July 2012, pp, 607-609.
66. **Kamalesh V.N.** and Pradeep P Bomble, Chandan B K, Vikram Ravindra, Pavan M P “ Virtual Ticketing System”, IEEE international Conference in e-Education, Entertainment and e-Management (ICEEE), Dec 2011 , Indonesia, pp, 151-153, <https://ieeexplore.ieee.org/document/6137772>

67. **Kamalesh V.N.** and Pradeep P Bomble, Chandan B K, VikramRavindra, Pavan M P “on design of k-connected link optimal survivable network”, journal of Network Sciences, Springer Verlag, lecture notes, <https://www.ijimt.org/vol6/626-D0191.pdf>
68. **KamaleshV.N.**, Akash.C.Y, Chandan.P.Raju, Sowmya S G, Chaitra C, Shreya S “on Split Document Image Mosaicking technics” International Conference on Emerging Trends in Soft Computing and ICT (Information Communication Technology) in Bilaspur (CG State)-India, 16-17 March, 2011.
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70. **KamaleshV.N.** and MadhukarPatak, “On Cloud Computing Deployment Architecture” International Conference in Information and communication technology 2010, University of Colombo School of Computing, Colombo, Srilanka. From Sept. 29th to Oct 1st 2010.
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72. **Kamalesh V. N.** and S K Srivatsa “Design of Cost efficient survivable network topologies” accepted for publication in Springerverlag, lecture notes in computer science, <https://arxiv.org/pdf/0908.1033>
73. **Kamalesh V. N.** and S K Srivatsa, 2010, “On the design of fault tolerant k-connected network topologies” in the 2nd IEEE International conference, ICIMT 2010, Hongkong, <https://www.ijimt.org/vol6/626-D0191.pdf>
74. **Kamalesh V. N.** and S K Srivatsa, Adjacency Matrix based method to compute the node connectivity of a Computer Communication Network to IJCSI Vol 7, Issue 1, No.2, January 2010, <https://arxiv.org/abs/1002.1169>
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79. **Kamalesh V. N.** and S. K. Srivatsa, Systematic Numbering of Nodes in a computer communication network: A spanning tree approach, Journal of Intelligent System Research (2008), <https://indjst.org/articles/node-numbering-in-a-topological-structure-interconnection-network>
80. **Kamalesh V. N.** and S K Srivatsa on the Design of minimum cost Survivable network topologies accepted for presentation in the National conference on Communication, Jan 2009, IIT Guwahati, India.
81. **Kamalesh V. N.** and S K Srivatsa, An Optimal Algorithm for generation of K- Connected Networks. The International *Journal of Computer and Telecommunications Networking*–Elsevier.
82. **Kamalesh V. N.** and S K Srivatsa, Topological Structure of Interconnection of Networks WSEAS – Transactions of Communication (Communicated).
83. **Kamalesh V. N.** and S K Srivatsa, Algorithm for detecting, generating sets, GESTS International Transactions on Computer Science and Engineering.
84. **Kamalesh V. N.** and B S Kiranagi on Hochschild Cohomology of Algebra bundles and its applications presented at 10th Annual Conference of Ramanujam Mathematical Society, Rishikesh, India. This work was considered as one of the challenging problem of 21st century by “World Mathematical Year Book 2000”.
85. **Kamalesh V. N.** and B S Kiranagi on Wedderburn Mal'cev Principle Theorem for Algebra bundles presented at International Symposium in Mathematics and its applications, Tirupati.

PATENTS:

Kamalesh V N “A New Engineered Node Indexing System for the Design of a Logical Communication Network Structure” has been filed for patent with complete specification – CBR No.: 7794, Application number: 201941009363, CHALLAN : TR-5, DOCKET NO:20481.

Indian patent is filed under Indian Patent Act 39 of 1970, Section 10; Rule 13 on the Title “Merging network topologies for maximum connectivity” at the Controller General of Patents, The Indian Patent Office, Guindy, Chennai. (Reference No. 2431/CHE).

Title “IMT segmentation of CC through points of interest by deposition technique: A SVM regression based approach for validation, Indian patent journal, No2024241050687 A , dated16/9/2022

Seminars/Workshops/Training Programmes Conducted

SL. NO	DATE	NAME OF THE PROGRAMME	INDUSTRY/ACADEMIC/ R&D	NO .OF PARTICIPANTS	DAYS
1	09.11.2013 to 26.11.2013	Trainer the Trainee Programme	Dharmsinh Desai University, Nadiad, Gujarat	09	21
2	29.12.2013 to 31.12.2013	Basics of Hydraulics and Pneumatics	Jawaharlal Nehru National College of Engineering	23	3
3	11.01.2014 to 13.01.2014	Basics of Hydraulics and Pneumatics	East Point College of Engineering Bangalore	19	3
4	19.01.2014 to 21.01.2014	Basics of Hydraulics and Pneumatics	Jawaharlal Nehru National College of Engineering	26	3
5	27.01.2014 to 29.01.2014	Basic of PLC	Jain College of Engineering Davangere	22	3
6	20.02.2014 to 22.02.2014	Workshop on Research Methodologies & Latex	K S School of Engineering and Management, Bangalore	128	3
7	06.03.2014 to 08.03.2014	Basic of Robotics & Mechatronics	PES College of Engineering, Mandya	27	3
8	14.03.2014 to 16.03.2014	Basic of Sensorics	VISVESVARAYA TECHNOLOGICAL UNIVERSITY PG Centre Bangalore	25	3

9	20.03.2014 to 22.03.2014	Basic of Hydraulics and Pneumatics	AMC Engineering College, Bangalore	45	3
10	02.04.14 to 04.04.2014	Basic of Hydraulics & pneumatics	Karavali college of Engineering Mangalore	26	3
11	05.07.14 to 07.07.14	Basic of Hydraulics & pneumatics	Bangalore Institute Technology, Bangalore	26	3
12	08.07.2014 to 10.07.2014	Workshop on Research Methodologies & Latex	Visvesvaraya Technological University, JnanaSangama Campus, Belgaum	151	3

13	09.07.2014 to 11.07.2014	Basics of Hydraulics & pneumatics	PES Institute of Technology and Management, Shimoga	33	3
14	12.08.2014 to 14.08.2014	Basics of Hydraulics & pneumatics	VISVESVARAYA TECHNOLOGICAL UNIVERSITY PG students, Mysore	23	3
15	18.08.2014 to 21.08.2014	Proportional Hydraulics	Bosch limited, Bangalore	12	4
16	25.08.2014 to 27.08.2014	Sensors , PLC & Pneumatics Interfacing	VISVESVARAYA TECHNOLOGICAL UNIVERSITY PG students, Mysore	23	03
17	02.09.2014 to 05.09.2014	Basics of PLC	MS Ramaiah Institute of Technology, Bangalore	12	04
18	09.09.2014 to 11.09.2014	Workshop on Research Methodologies & Latex	Shree Devi Institute of Technology, Mangalore	147	03
19	11.09.2014 to 13.09.2014	Basics of Hydraulics & pneumatics	BMS Institute of Technology, Bangalore	19	03
20	17.09.2014 to 19.09.2014	Basics of Hydraulics & pneumatics	Jain College of Engineering, Belgaum	44	03
21	21.09.2014 to 23.09.2014	Basics of Hydraulics & pneumatics	Jain College of Engineering, Belgaum	52	03
22	19.10.2014 to 21.10.2014	Basics of Hydraulics & pneumatics	East Point College of Engineering Bangalore	20	03
23	05.11.2014 to 07.11.2014	Basics of Hydraulics & pneumatics	VISVESVARAYA TECHNOLOGICAL UNIVERSITY PG Students Belgaum	18	03
24	2012	Faculty Development Program in computer science under graduate govt. faculty members	Jointly with KARNATAKA STATE OPEN UNIVERSITY, Mysore and VGST Govt. of Karnataka	For students and faculties of KARNATAKA STATE OPEN UNIVERSITY, Mysore	
25	2010	Opportunities for Indian students in American Universities	Dept. of CSE, University of Alabama, Huntsville (UAH)	For students and faculties CSE	

26		Networking Technologies	Cisco Certified Network Professional Inter Networks, Bangalore	For students and faculties of CSE Networking
27		Data Encryption in Images	TechnicalManager, HCL Technologies Ltd, Bangalore	For students and faculties of CSE image processing
28	2009	Ethernet - Evolving and breaking new frontiers	Lead Systems Engineer (R & D) - India Extreme Networks	For students and faculties
29		Embedded Computing System	Electro System Associate Ltd.	
30		An overview of java and JEE	Kiran InfoTech	
31	2008	Emerging Technologies	Honeywell , Bangalore	For students and faculties of CSE & ISE
32	2006	Open Solaris and its uses	Sun Microsystems Bangalore	
33		Time Management & Overseas studies	Career path	
34		Project Management Issues	Accenture Pvt. Ltd.	
35	2005	How to succeed in interviews	TCS, Bangalore	
36		Intrinsic requirements for a Group Discussion/Interview in an Individual	Growth and Corpora Traineng, Buoyanc Bangalore	
37		Empowerment of Youth	CEO, Sirius Control Bangalore	
38	2004	Open Standard Skills development	IBM India	

The following students have secured rank in the VISVESVARAYA TECHNOLOGICAL UNIVERSITY under my guidance.

Sl.No.	Year	Name of Student	Rank
1	2003	Srikanth R Rao K	10
2	2006	Deepa G Rao	7
3	2008	ShruthiRavindra	8
4	2010	Madhukar	10

The following students have won the best project award from Hewlett Packard under my guidance.

1. Vishalakshi Baligar& Team – First Best Project of HP student Conference 2008 held at HP – STSD, Bangalore.
2. Navneethan & Team - Second Best Project of HP student Conference 2008 held at HP – STSD, Bangalore.
3. Anil Gulecha, student of JSSATE was the First person to carry Sun Operating system in a pen drive, which was appreciated by Sun Microsystems.
4. The project entitled “Neo-Gnutella Peer to Peer File sharing client” which was presented in “Shristhi 2003” was awarded First Prize at National level was guided by me.

(Dr. V. N. Kamalesh)