

CURRICULUM VITAE

Dr S Anupama Kumar

Associate Professor, Department of AI&ML



Personal Information

Date of Birth

09.05.1975

Contact Address

**No 707, Anika Red Woods Apartment,
Coconut Garden,
Nagarbhavi Main Road, Bengaluru - 560072
M.C.A M.Phil., Ph.D.,**

Educational Qualification

Qualifications	Board / IIT / University	Institute and place where studied	Year of passing
SSLC	Matriculation Board	Sri Sarada Bala mandir Matriculation School , Salem	1990
PUC / 10+2	Higher Secondary Board, Tamil Nadu	Government Girls Higher Secondary School, Salem	1992
B. Sc (Comp.Sci)	Bharathidasan Tiruchirappalli	University, Srimathi Indira Gandhi College for women, Trichy	1995
Master of Computer Applications	Bharathidasan Tiruchirappalli	University, Distance Education	1998
M.Phil (Comp.Sci)	Alagappa University	Distance Education	2007
Ph. D. (Computer Applications)	PRIST University, Thanjavur	PRIST University, Thanjavur	2014

Title of the Thesis: “Effectiveness of Predictive Analytics in Educational Data Mining”

Work Experience

S.No	Name of the Institution	Designation	Period
1.	R.V. College of Engineering	Associate Professor	April 2014 till now
2.	R V College of Engineering	Assistant Professor	September 2010 to April 2014
3.	S.I.E.S (Nerul) college of Arts, Science and Commerce, Navi Mumbai	Lecturer cum Coordinator	June'2003-April 2010
4.	S.I.E.S College of Management Studies, Navi Mumbai	Lecturer	December 2002 – June 2003
5.	H.L College of Commerce, Ahmedabad	Lecturer	September 2000-Feb 2002
6.	GLSIT,Ahmedabad	Jr.Faculty	August 2000-September 2000
7.	Mahendra Engineering College	Lecturer	August 1998-April 2000

PROJECTS AND CONSULTANCY ACTIVITIES

A. Research Project Completed

- Principal Investigator for the Project entitled “**Building an Integrated Framework for a higher educational programme using Learning Analytics/ Educational Data mining**” approved by Computer Society of India (2014-15) worth Rs.20,000/-

Student Project Programme under Karnataka State Council for Science and Technology:

- Project Titled “ **Design and Development of an Android based Classification Model for Arecanut Leaf Disease Detection using Deep Learning Techniques**” was selected with a funding of Rs .5,000/- and awarded with Best Project with a cash award of Rs. 10,000/- during August 2023.

B. Consultancy Works Undertaken with Industry Collaboration

On Going Project

- Project on “ AIML Development works with Computer Vision Technology solutions” with Swan Sorter Systems Pvt Ltd for **Rs. 11,10,000/-** from November 2024 to December 2025.

Project Works Completed

- Mentored and completed project on “**Email Campaign Generator**” in Collaboration with Epsilon India during May 2024- August 2024
- Guided and completed on “**Real Time Sentiment Analysis**” in Collaboration with Epsilon, India during May 2023 – August 2023
- Jointly guided and completed project on “**Digitization of ECG using Deep Learning Techniques**” with IMEDIRX Systems during 2018-20
- Guided and Completed project on “**Hybrid mobile application for Customer Analysis**” using Machine Learning and Analytics with Daimler India Commercial Vehicles, Bengaluru during 2018-19.
- Project titled “**CODER**” funded by Attrac ERP Solutions, Bengaluru from June 2016 to July 2017 worth Rs. 1,00,000/-
- Coordinated and Guided for the consultancy Project on “**Social Data Collector and Social Data Muncher**” funded by Big Tapp Pvt Ltd, Bangalore for a period of three months from October 2014 worth Rs. 25,000/- per month.

Trainings Conducted for Industry Experts

1. Resource Person for the 3 day training program on “Power BI: Data Analytics and Visualization” for the Industry participants from TKAP, Bengaluru. The training conducted under the Center of Competence in Visual Computing during September 2023 (Revenue generated under MoU for Rs. 1,50,000/-)
2. Training on “Data Analytics and Visualization” for the Industry Participants from Daimler India Commercial Vehicles, February 2023 (Revenue generated Rs. 63,000/-)

Course Handled in RV University

1. In charge for framing the syllabus, teaching, scheme and evaluation for the Course titled “Data Visualization with Tableau” for the AIML Minors during February-April 2023.

RESEARCH ACTIVITIES**1. VTU Research Centre, Department of MCA****(i) Awarded**

S.No	Name of the Candidate	Title of the Research Work	Status
1	Jayashri Baburao Madalgi	Effectiveness of Data Mining Techniques to Manage congestion in WSN	Awarded
2	Shaila Koppad	A Framework for Investigating and Analysing Chronic Obstructive Pulmonary Disease using Big Data Analytics	Awarded

(ii) Perusing

S.No	Name of the Candidate	Title of the Research Work	Status
1	Shrikant HK	Application of Bid Data Analytics to design and analyse data in Health care Industry	Completed Course Work
2	Shailaja KP	An Integrated Machine Learning model for Stock Market Analysis	Completed Comprehensive viva
3	Shreekant Kumbar	NLP Based Health Care System	Completed Course Work
4	Akshatha Naik	Block Chain enabled Education analysis	

2. External Evaluator for PhD for Anna University and Karunya University**3. Research Publication****Details of Publication**

Patent Filed	Book Chapters	International Journals	International Conferences	National Conferences	Student Publications
1	5	20	26	01	25

Citation Index

Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=57191624773	Scopus Citation: 132 h-Index – 6
Web of Science Researcher	AAS-5771-2021	Citations: 22 H-index :2
Google scholar	https://scholar.google.com/citations?user=HUa7ZYsAAAAJ&hl=en	Citations: 426 H-index :10 I10-index ;10

Patent Filed:

Title: “Financial Stock Market Forecasting By Evaluated Linear Regression Technique Based Machine Learning”, Date of Publication: 9/12/2022 , Application Status: Awaiting Request for Examination

Book Chapters

1. "An Effective Machine Learning Approach to Model Healthcare Data" , In the Series Book: Data Engineering and Data Science by **Wiley Publications** , <https://doi.org/10.1002/9781119841999.ch11>
2. “Narrative and Text Visualization: A Technique to Enhance Teaching Learning Process in Higher Education”, In: Anuncia S., Gohel H., Vairamuthu S. (eds) Data Visualization. Springer, Singapore, First Online 04 March 2020 , DOI https://doi.org/10.1007/978-981-15-2282-6_1 , Publisher Name Springer, Singapore Print ISBN 978-981-15-2281-9
Online ISBN 978-981-15-2282-6, eBook Packages Computer Science (**Scopus Indexed**)
3. “Computational Intelligence for Data Analytics”, Kumar R., Wiil U. (eds) ,Recent Advances in Computational Intelligence. Studies in Computational Intelligence, vol 823. Springer, Cham , First Online 24 March 2019 , DOI https://doi.org/10.1007/978-3-030-12500-4_2 , Publisher Name Springer, Cham , Print ISBN 978-3-030-12499-1 , Online ISBN 978-3-030-12500-4 (**Scopus Indexed**)
4. "Efficiency of Multi Instance Learning In Educational Data Mining", Margret Anuncia S., Wiil U. (eds), Knowledge Computing and its Applications - Volume II, published by Springer, Singapore. Print ISBN 978-981-10-8257-3,Online ISBN 978-981-10-8258-0 (**Scopus Indexed**)
5. "Efficacy of Knowledge Mining and Machine Learning Techniques in Health Care Industry", Knowledge Computing and its Applications – Volume 1, published by SPRINGER NATURE, Singapore ISBN 978-981-10-6679-5 ISBN 978-981-10-6680-1 (**Scopus Indexed**)

International Journals

1. S Anupama Kumar , Andhe Dharani , Deepak MB, Aishwarya Kamble,” An Automataed Deep Learning Model To Classify Diseases in Arecanut Plant” Indian Journal of Computer Science and Engineering (IJCSE), pp 43-55, Vol. 15 No. 1 Jan-Feb 2024, DOI : 10.21817/indjcse/2024/v15i1/241501036 (**Q4 Journal**)
2. Andhe Dharani, S Anupama Kumar, Peethi N Patil, “Object Detection at Edge using Tiny ML Models”, SN Computer Science, Vol 5, Issue 1, <https://doi.org/10.1007/s42979-023-02304-z> (**Q2 Journal**)
3. Preethi N Patil, Andhe Dharani, S Anupama Kumar, Naganagouda Patil, “Tensorflow Based Prediction Model For Classifying Human Blood Smear Microscopic Images As Indicating Presence Of Malaria Parasite”, ICTACT Journal On Soft Computing, April

2023, Volume: 13, Issue: 03, ISSN: 2229-6956 (ONLINE), OI: 10.21917/ijsc.2023.0411
(UGC CARE)

4. Divya TL, Anupama Kumar S, Vijayalakshmi MN, Andhe Dharani, "Analysis And Empirical Decision for Post Forest Fire Effects on Atmosphere and Vegetation Loss", Eur. Chem. Bull. 2023, 12 (1), 3324 – 3329, doi: 10.31838/ecb/2023.12.1.437 (**Q3 Journal**)
5. S Anupama Kumar, Anusha M, " Blockchain enabled Supply Chain Management", Springer Nature (SN) Computer Science (2023) 4:179 , Vol.:(0123456789), <https://doi.org/10.1007/s42979-022-01621-z> (**Q2 Journal**)
6. Divya TL, Vijayalakshmi MN, S Anupama Kumar, "Detection Of Supporting Features And Its Implications On Forest Fire Occurrence Using Random Forest Algorithm", Complex System and Complexity Science Journal, Vol 8, Issue 4 , April 2021 (**Q4 Journal**)
7. S. Sandhya, Shaila H. Koppad, S. Anupama Kumar, Andhe Dharani, B. V. Uma and K. N. Subramanya published paper with the title "Adoption of Google Forms for Enhancing Collaborative Stakeholder Engagement in Higher Education" in Journal of Engineering Education Transformations Volume 33 , Special Issue, ICTIEE 2020 (**Scopus Indexed**)
8. Priyanka H , Vinuta Hegde and Dr S Anupama Kumar," Implementaiton Of LDA Algorithm For Topic Modelling",International Journal of Advance and Innovative Research Volume 6, Issue 1 (XXVIII): January - March 2019 , **UGC Certified Journal No : 63571 e-ISSN : 239477 pp 87-90**
9. Jayashree, Dr S Anupama Kumar, "Efficiency of Classification Techniques in Detecting Congestion in Wireless Sensor Networks", International Journal of Advanced Research in Computer and Communication Engineering , ISSN (Online) 2278-1021, ISSN (Print) 2319 5940 ,pp 117-119, April 2016
10. Arun.S, Bharath , Dr S Anupama Kumar ,” Design and Implementation of Dynamic Network Task Management System, International Journal of Innovations in Engineering and Technology (IJIET), ISSN: 2319 – 1058 , April 2016 Volume 6 , pp 618-623
11. Dr S Anupama Kumar, “Edifice an Educational Framework using Educational Data Mining and Visual Analytics”, International Journal of Education and Management Engineering (IJEME), Vol 2, pp 24-30, Published Online March 2016 in MECS, ISSN: 2305-3623(Print), ISSN: 2305-8463(Online)
12. Dr S Anupama Kumar, Dr Vijayalakshmi MN, "Efficiency of Data Mining Techniques in Edifying Sector", International Journal of Advance Foundation and Research in Computer (IJAFRC) , Volume 1, Issue 8, August2014. ISSN 2348 - 4853 pp 56-62
13. Dr S.Anupama Kumar, Chandrani C, Rashmi M, " Implication Of Agglomerative Clustering To Distinguish Student Enactment", International Journal of Advanced Research in Computer Science and Electronics Engineering, ISSN: 2277 – 9043, Volume3.Issue...8.,Aug-2014,pp.410.-413 GLOBAL IMPACT FACTOR 2013: 0.546
14. Dr. Vijayalakshmi MN, S.Anupama Kumar, Kavyashree BN, Investigating Interesting Rules Using Association Mining for Educational Data, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 3, Issue 2, February 2014, pp 268-271
15. S.Anupama Kumar, Dr.Vijayalakshmi MN, “Discerning Learner’s Erudition Using Data Mining Techniques”, International Journal on Integrating Technology in Education, vol.2, No.1, March 2013, DOI : 10.5121/ijite.2013.2102 9, ISSN : 2320-1886(Online); 2320-3935(Print) pp 9-16
16. S.Anupama Kumar , Dr. Vijayalakshmi MN, “A Naïve Based approach of Model Pruned trees on Learner’s Response”, International .Journal of .Modern Education and Computer Science, 2012, 9, 52-57 , September 2012,pp 52-57.
17. S.Anupama Kumar , Dr. Vijayalakshmi MN, “Appraising the significance of self regulated learning in higher education using neural networks” , International journal of

Engineering research and development ,Vol 1, Issue 1, May 2012, ISSN: 2278-067X, pp 09 – 15

18. S.Anupama Kumar , Dr. Vijayalakshmi MN,” Envision of student’s concert using supervised learning techniques”, International Journal of Computer Engineering and Science “,Volume 1, issue 2, December 2011. pp 1-7,ISSN:2250-3439.
19. S.Anupama Kumar, Dr. Vijayalakshmi MN,” Implication Of Classification Techniques In Predicting Student’s Recital”, International Journal of Data Mining & Knowledge Management Process (IJDMP) Vol.1, No.5, September 2011,pp 41-51, ISSN : 2230 - 9608[Online] ; 2231 - 007X [Print].
20. S.Anupama Kumar, Dr. Vijayalakshmi MN , “Prediction of the student’s recital using classification Technique ”, IFRSA’s International Journal Of Computing,Vol1,issue 3,July 2011 pp 305-309. ISSN (Online) : 2230-9039 ,ISSN (Print) : 2231-2153.

International Conferences

1. Divya TL, S Anupama Kumar , “Data Storage and Visualization Analysis of Tableau and Power BI”, Hinweis Third International Conference on Advances in Software Engineering and Information Technology, 31st August 2024.
2. Shailaha KP, S Anupama Kumar , " An Efficient Ensembled Deep Learning Technique for Stock Prediction", International Conference on Innovations in CyberSecurity and Data Science, 15-16th March 2024 at Reva University, Bengaluru.(To be Published in Springer Nature)
3. S. Anupama Kumar, Y. S. K. Kumar and P. Thejas, "Efficient Text Summarization using Natural Language Processing," *2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI)*, Chennai, India, 2023, pp. 1-7, doi: 10.1109/ICDSAAI59313.2023.10452601.
4. Nithin and S. Anupama Kumar, "Virtual Assistant Using Deep Learning Techniques," *2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS)*, Bangalore, India, 2023, pp. 1-6, doi: 10.1109/CSITSS60515.2023.10334091.
5. Thejas P, S Anupama Kumar , Y S Kiran Kumar , "Development of an NLP-Based Automatic Data Retrieval Model," *2023 4th International Conference on Smart Electronics and Communication (ICOSEC)*, Trichy, India, 2023, pp. 1603-1607, doi: 10.1109/ICOSEC58147.2023.10275917.
6. K. B. Shireesha, P. Thejas and S. A. Kumar, "Document Analysis using Deep Learning Techniques," *2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC)*, Coimbatore, India, 2023, pp. 1568-1572, doi: 10.1109/ICESC57686.2023.10193742.
7. Anupama Kumar, S., Dharani, A., Chakravorty, C. (2023). Efficacy of Autoencoders on Image Dataset. In: Shakya, S., Du, KL., Ntalianis, K. (eds) Sentiment Analysis and Deep Learning. Advances in Intelligent Systems and Computing, vol 1432. Springer, Singapore. https://doi.org/10.1007/978-981-19-5443-6_73 (Presented in ICASDL 2022)
8. S R. Lokhande and S. A. Kumar, "Deployment Strategy using DevOps Methodology: Cloud Container based Orchestration Frameworks," *2022 International Conference on Edge Computing and Applications (ICECAA)*, Tamilnadu, India, 2022, pp. 113-117, doi: 10.1109/ICECAA55415.2022.9936478.
9. Divya TL, Dr. Vijayalakshmi MN, Dr.Anupama Kumar S,” Speculation of Forest fire using spatial and video data”, in 1st International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE), IEEE Conference, Electronic ISBN: 978-1-7281-0418-8 , Print on

Demand(PoD) ISBN: 978-1-7281-1266-4 , pp. 127-130, doi: 10.1109/ICATIECE45860.2019.9063781. **(Scopus Indexed)**

10. Shaila H Koppad, Dr. S Anupama Kumar, Dr. K.N. Mohan Rao “Contemplation Of Computational Methods And Techniques To Predict Copd” 2nd International Conference On Intelligent Data Communication Technologies And Internet Of Things Ici2019, Organized On 12th -13th , September 2019 At Jct College Of Engineering And Technology, Pichanur Road, Off Nh 47, Pichanur, Coimbatore, Tamil Nadu 641105 and published in **Springer Lecture Notes on Data Engineering and Communications Technologies with Series Editor.: Xhafa, Fatos and ISSN: 2367-4512**
11. Jayashri B.Madalgi, Dr. S Anupama Kumar “ Efficiency Of Naive Bayes Technique Based On Clustering To Detect Congestion In Wireless Sensor Network“ 2nd International Conference On Intelligent Data Communication Technologies And Internet Of Things Ici2019, Organized On 12th -13th , September 2019 At Jct College Of Engineering And Technology, Pichanur Road, Off Nh 47, Pichanur, Coimbatore, Tamil Nadu 641105 and published in Springer Lecture Notes on Data Engineering and Communications Technologies with Series Editor.: Xhafa, Fatos and ISSN: 2367-4512 **(Scopus Indexed)**
12. Jayashri Madalgi, Dr S Anupama Kumar, "Development of Wireless Sensor Network Congestion Detection Classifier Using Support Vector Machine", 3rd International Conference on CSITSS-2018 between 19th December 2018- 21st December 2018, pp : 187-192 ISBN: 978-1-5386-6078-2 , DOI: 10.1109/CSITSS.2018.8768781 **(Scopus Indexed)**
13. Prakruthi V, Sindu , Dr S Anupama Kumar , "Real Time Sentiments Analysis of Twitter Posts", 3rd IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions 2018, organized by department of MCA, CSE and ISE, R. V. College of Engineering, Bengaluru, from 20th to 22nd December 2018 , pp : 29-34, ISBN: 978-1-5386-6078-2 , DOI: 10.1109/CSITSS.2018.8768781 **(Scopus Indexed)**
14. Shrikant H K, Dr S Anupama Kumar , Application of Seasonal Analytics in HealthCare Sector. In: Hemanth, J., Fernando, X., Lafata, P., Baig, Z. (eds) International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI) 2018. ICICI 2018. Lecture Notes on Data Engineering and Communications Technologies, vol 26. Springer, Cham. https://doi.org/10.1007/978-3-030-03146-6_123
15. Prof. Shaila H Koppad, Dr S Anupama Kumar , “A survey and Analysis of Techniques to Diagnose COPD”, **IEEE International Conference** on Recent Innovations in Electrical, Electronics and Communication Engineering (ICRIEECE - 2018) with catalog " CFP18P98-PRJ:978-1-5386-5994-6", School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha, India o 27th and 28th July 2018
16. S. K. Vinay, G. Pranava, S. A. Kumar and S. H. Koppad, "Application of Data Analytics to predict and analyse COPD Data," *2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA)*, 2018, pp. 1604-1608, doi: 10.1109/ICECA.2018.8474615.
17. Dr S Anupama Kumar , Prof. Shaila H Koppad, “Application of Data Analytics to predict and analyse COPD Data”, IEEE 2nd International Conference on Electronics, Communication and Aerospace Technology (ICECA 2018) ISBN: 978-1-5386-0965-1 Issue 1
18. Ms.Jayshri B Madalgi, Dr S Anupama Kumar, “Congestion Detection in Wireless Sensor Networks using MLP and Classification by Regression” 3rd International Conference on " Applied and Theoretical Computing and Communication Technology "

- organized by the Sri Siddhartha Institute of Technology , Tumkur, India, 21-23rd December 2017 and paper published in IEEE Explorer **(Scopus Indexed)**
19. Shaila Koppad, Dr. S Anupama Kumar, "Investigating COPD using Big Data Analytics", International Conference on Advanced Computing and Communication Systems (ICACCS -2017), Coimbatore, India IEEE ISBN: No. 978-1-5090-4558-7 6th -7th January 2017, pp 1984-87 **(Scopus Indexed)**
 20. Mrs. Jayashri B. Madalgi and Dr. S. Anupama Kumar, "Implementation of Classification Techniques to Detect Congestion in Wireless Sensor Networks", Souvenir of Joint International conference on intelligent computing and Applications (ICICA-2016) and Power, Circuit and Information Technologies (ICPCIT-2016), organized by D.Y.Patil college of Engg, Akurdi, Pune and Institute for Research and Development(IRD) ,Bhubaneswar in association with **Springer from 20th to 22nd December 2016.**
 21. Shaila Koppad, Dr S Anupama Kumar, S. H. Koppad and A. Kumar, "Application of big data analytics in healthcare system to predict COPD," *2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT)*, 2016, pp. 1-5, doi: 10.1109/ICCPCT.2016.7530248.
 22. S.Anupama Kumar , Dr.Vijayalakshmi M.N, "A Novel Enhancement measure of Learner Records using Data mining Techniques", INTERNATIONAL CONFERENCE: on Future Computing, Bangalore, 22-24th December 2012.
 23. S. Anupama Kumar and M. N. Vijayalakshmi, "Mining of student academic evaluation records in higher education," *2012 International Conference on Recent Advances in Computing and Software Systems*, 2012, pp. 67-70, doi: 10.1109/RACSS.2012.6212699. **(Scopus Indexed)**
 24. Anupama Kumar, S., M.N., Vijayalakshmi. (2012). Inference of Naïve Baye's Technique on Student Assessment Data. In: Krishna, P.V., Babu, M.R., Ariwa, E. (eds) *Global Trends in Information Systems and Software Applications*. ObCom 2011. Communications in Computer and Information Science, vol 270. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-642-29216-3_21 **(Scopus Indexed)**
 25. S.Anupama Kumar, Dr. Vijayalakshmi MN , "Efficiency of decision trees in predicting student's academic performance", Proceedings of First International conference on Computer science, Engineering and Applications (CCSEA 2011), Chennai, 15-17th July 2011, ISSN: 2231-5403, pp 335-341
 26. S.Anupama Kumar, Dr. Vijayalakshmi MN , " A Novel Approach in Data Mining Techniques for Educational Data" ,Proc 2011 3rd International Conference on Machine Learning and Computing (ICMLC 2011) , Singapore, 26th-28th Feb 2011,ISBN : 9781424492527,pp V4-152-154

National Conference

27. S.Anupama Kumar, Dr.Vijayalakshmi.M.N "Applications of Data Mining in Collaborative Learning" Proc National Research Conference on 3T, Teaching, Testing ,Technology Trends in IT", S.I.E.S(Nerul) College of Arts, Science and Commerce,Navi Mumbai, ISBN: 9788184653939, 12th February 2011,pp 97-99.

CONTRIBUTION TO INSTITUTIONAL ACTIVITIES

- i. **Member, NAAC Committee (Criteria 5)**
- ii. **Member, Center of Competence in Visual Computing**
 - Guiding the Internship projects for the UG and PG Students
 - Conducted training session to the Internship students on "Power BI " on November 23rd 2023
 - Conducted training session to the Internship students on "Unsupervised Learning" on

November 20th 2023

- Conducted training sessions to the Internship students for Under Graduates on R during October 2023 and guided the project titled “Chatbot for Rural Education”

iii. Conducted Classes on “Tableau” for **Skill Development programme** for First semester Students, Department of ISE during July 2023, and August 2022

iv. As a member of sponsorship committee for CSITSS 2022, initiated and generated a sponsorship amount of Rs. 1,00,000/- from Daimler India Commercial Vehicles (Trident Trucking)

v. Member , RVCE Cisco Centre of Excellence for IoE: Intelligent Analytics Group

- Incharge of handling the **Advanced Analytics Module** including the Text, Image and Video analytics using different tools like Matlab, R, Python and others
 - a. The following projects were given for the students during Internship programme and executed during the year 2019-20 under the Advanced Analytics Module :
 - i. Development of an efficient model for demand forecasting for Hospitality Management
 - ii. Development of a Recommender System
- Coordinated and conducted the training program for two days on 13th and 14th September 2019 for BCA students of National College, Bangalore
- Coordinated and conducted the training program for three days at Gogte Institute of Technology, Belagavi for CSE and EC students from 1st July 2019 to 3rd July 2019.
- Coordinated and conducted the training program for six days on 10th, 11th, 17th, 18th, 24th and 25th February 2018 in RVCE
- Coordinated and conducted the training program from 14th June 2017 to 5th July 2017 in RVCE

vi. Member in Confidential section work in the Controller of Examination Office, 2020-2022

vii. Conference/Workshops/Training/Seminars Co-Ordinated

- Member CSITSS 2024 - Committee – Reviewed Papers and a member in hospitality team
- Organization committee Member for the National Conference on “Critical Thinking for GenZ-Multidisciplinary Approach , (CTGZMA-2021)
- Publication Committee Member for CSITSS -2019 , hosted by Department of CSE, ISE and MCA
- Publication Committee Chair for CSITSS 2018 hosted by Department of MCA, CSE and ISE
- Budget Committee Member for CSITSS – 2017 hosted by Department of CSE, ISE and MCA
- Technical Committee Member for CSITSS – 2016 , hosted by Department of CSE, ISE and MCA
- Member, Institute level Compliance committee for NBA, NAAC, LIC and other compliance activities.
- Member, Institute level Website committee for Department of MCA
- Coordinator for “National Conference on Technological Advances in Computing” organized by Department of ISE, MCA and CSE and co-editor for the Proceedings. July 2014

viii. Others

- Member, Board of Studies, Kongu Engineering College, Perundurai, Erode, Tamil Nadu
- External Member, Board of Examiners , Dayanand Sagar College of Engineering, Bengaluru

2022-23

- Member of Doctoral Committee for Research Scholars under MCA –VTU Research Center
- Board of Examiner, VTU 2015-17
- Member of Shruti 2017, a State Level Engineering Students Project Exhibition Organized by ABVP on 26th – 28th May 2017
- Member of the Registration Team for the National Conference on ITS held by RVCE
- Evaluator for the 8th Semester Project Presentation for CSE from 2014-2018, 2022

CONTRIBUTION TO DEPARTMENT ACTIVITIES

i. Administrative Activities -- 2023 – till now

- Member, Academic Monitoring committee
- Member, Board of Examiner
- Member, CIE Scrutiny
- In charge for documenting and verifying files for various compliance agencies / audits
- Co Ordinator , Design Thinking Lab 2023-24
- Skill Lab Co Ordinator
- Initiated and Received an Mutual NDA between RVCE and Epsilon India Data and Digital Technologies solution Ltd for a period of five years from 2024-2029, the executing departments being AIML and MCA

In MCA

- NBA Co Ordinator during the year 2018-22, Department got accredited for a period of 5 years
- NBA Co Ordinator (Second level) during the year 2015-2017, Department accredited for a period of 2 years
- Member Time Table Committee , 2022-23
- Member, Academic Monitoring Committee 2022-23, 2016-21
- Member, Disciplinary Committee 2020-2022
- Member, Board of Examiners during 2016-2023
- Project Co Ordinator for the IV semester Academic projects during the years 2020-2021, 2021-22 and 2022-23
- Project Coordinator of VI semester Major Project during different years for the Autonomous and VTU scheme

ii. Invited Talks Delivered:

- Resource Person for a workshop on “Data Visualization with Tableau and Power BI,” at SJCIT scheduled for 13th, 14th and 15th November 2024.
- Resource person for a Faculty Development programme on “Harnessing the power of AIML” on 9th August 2024 at Ashoka Women’s Engineering College, Kurnool.
- Resource person for a 3 day FDP programme on “Machine Learning using Python”, April 1-3 , 2024 at SSMRV, Bengaluru
- Mentored MANAS Codeathon 2023 and participated in Symposium on "Mental Health and Wellness" organized by Centre for Development of Advanced Computing (C-DAC), Bangalore under the aegis of Office of Principal Scientific Advisor (O/o PSA), Government of India (GoI) during 06th and 07th October 2023 at Bengaluru.
- Resource person for a webinar on “HR Analytics using R” at Department of MBA, Dr P G Halakatti College of Engineering and Technology, Vijayapur, 2021.

- Resource person for an invited talk for the final year students of Computer Science and Engineering HKBK College of Engineering on “IoT with Data Analytics”
- Resource person for the four days VGST Faculty Development Programme on "Data analytics, Next Generation Programming Languages and Simulations" from 27th - 31st July 2018, organized by Department of Information Science and Engineering, Sapthagiri College of Engineering, Bangalore
- Resource person for the one day workshop- Hands on session on Data Analytics using R for the 4th Semester students of MCA at Dayanand Sagar College of Engineering, Bengaluru on 9th April 2019

iii. Conference/Workshops/Training/Seminars Organized

1. Organized an expert talk on on “ Data Mining Tasks and its Applications “ was conducted on 7th February 2024 at 2.30pm by Mr. Jagadeesh Kiran Nimma, Senior Manager Engineering and Architect , Epsilon
2. Conducted one week workshop on “Data Science” for the II Semester students under IQAC during June-July 2023 and evaluated the projects during September 2023.
3. Member of Organizing committee for the FDP on “Recent Trends in Computational Analytics and Intelligence “ sponsored by VGST during February 2022.
4. Organized a Hands On Session on “Real Time Applications of AI using TensorFlow” has been conducted for the III semester MCA Elective students of Artificial Intelligence and Deep Learning on 20th Dec 2022 in MCA Seminar Hall. The resource person for the session is Mr. ShriHari, Operations Engineer, NewFold Digital, Bangalore.
5. Organized a technical talk for the 3rd semester MCA students on “Real Time Medical Image Analysis using Deep Learning Techniques” by Mr Dhanush , Tonka BI, Bengaluru
6. Organizing committee member for the AICTE Sponsored 2 day National Conference on Critical Thinking for Gen-Z – Multi disciplinary Approach during October 2021.
7. Conducted and co ordinated a online work shop on “Applications of Project Management Tools” by Prof Vivekanand Gogi on 17th December 2021 between 7.00pm – 8.30pm for the 3rd and 5th Semester students of MCA
8. Organized a Technical session on “Fundamentals of Data Science using ML- A Project perspective” is conducted for the II semester Elective (20MCA251- Machine Learning) students on 13th May 2021 between 12.45 pm to 1.45 pm . The session was conducted by Dr Manju Prasad
9. Conducted and coordinated a Workshop on "Data to Action using Spread Sheets" by Mr Anand and Mr Bastin Robin on 23rd August 2020. **(Inter College)**
10. Conducted and coordinated an online webinar on “NLP Simplified for Decision Makers” for Faculty, Students and Research Scholars by Resource person: Mr. Bastin Robins on 13th June 2020. **(Inter College)**
11. Conducted and coordinated a work shop on “Soft Computing” for the IV semester elective students on during April 2020 by Dr Anala, Brand Ambassador for NVIDIA solutions. The students were certified by NVDIA after the completion of the course
12. Conducted and coordinated a workshop on “Soft Computing” for the V semester elective students on 19th September & 21st October 2019 by Dr Anala, Brand Ambassador for NVIDIA solutions. The students were certified by NVDIA after the completion of the course
13. Conducted and coordinated for a Expert session on “Interview” for the IV semester students on 23rd April 2019. The session was conducted by Mr Sudesh which enabled the students to prepare for their placement activities.
14. Conducted and coordinated A technical talk on "Research Methodology (Phase I and Phase II)" has been conducted for 3rd semester A and B section students on 20th September and

- 12th December between 11.30am to 1.30 noon by Dr M Krishna , Head of Department, Department of Mechanical Engineering
15. Conducted and coordinated A Hands-on workshop on "Text Processing and Analytics using R" was conducted for the 4th semester students under CSI by Mr Ankit Velani, Data Scientist, Trendwise Analytics on 17th February 2018 between 9:30am to 4:30pm
 16. Conducted and coordinated a Technical talk on “Applications of Parallel Computing – An Industry Perspective “ for the V semester Parallel Computing Elective students by Mr Narasimha Prasad, Thought Works, Bengaluru
 17. Conducted and coordinated a A Two Day Workshop on " Data Analytics Using R Tool - hands on " was conducted for 4th semester Data Warehouse and Data Mining Elective Students on 23rd and 24th April 2016 by Mr Ankit Velani, Data Scientist, Trendwise Analytics at MCA Lab 07.
 18. Conducted and coordinated a workshop on “Importance of Parallel Computing in Real world applications” by Mr Elvis Antony, Siemens Technology and Services Pvt Ltd, Bangalore on 21st of October for Wednesday 2015.
 19. Coordinator for “Conference on MCA Student Academic Project – COMSAP 2014”, organized by Department of MCA, RVCE in June 2014
 20. Coordinated for a hands-on session on “Open MP” for IV semester MCA students in 2014 conducted by CDAC, Bengaluru
 21. Conducted and coordinated Proejct reviews for V semester mini projects by the Industry experts during 2013.
 22. Conducted and coordinated a seminar on “Graph Theory “ for the Ist semester MCA students in 2013
 23. Coordinator for “Conference on MCA Student Academic Project – COMSAP 2013”, organized by Department of MCA, RVCE in July 2013.
 24. Coordinator for a One day Seminar on “Knowledge Management” in September 2012.
 25. Coordinator for “Conference on MCA Student Academic Project – COMSAP 2012”, organized by Department of MCA, RVCE in June 2012.
 26. Coordinator for “Conference on MCA Student Academic Project-COMSAP 2011”, organized by Department of MCA, RVCE in June’2011
 27. Coordinator for One day National Conference on “Relevance of sustainable technology for women” organized by Department of MCA, RVCE in May’2011

SEMINARS/WORKSHOPS/TRAINING ATTENDED

1. Attended a Five Days FDP on “Smart Intelligence : Cutting Edge Trends and Practical Applications of AI, 15th October to 19th October 2024
2. Attended International Online Faculty Development Program on ‘Data Visualization and Analytics’ with Excel, Power BI, Tableau and Generative AI organized by the PG Department of Computer Applications and IQAC of Marian College Kuttikkanam (Autonomous) in association with IPSR solutions limited and Valin - UK, USA and Canada, 5th July 2024 – 11th July 2024 and certified with A Grade
3. Attended a three-day workshop on “Fundamentals of Deep Learning models with Accelerated Computing” jointly organized by Boston and Department of AIML during March 2023
4. Attended one week workshop on “Machine Learning Deep Learning and Computer Vision” organized by Department of CSE, NIT Warangal during September 2022.
5. Attended One week workshop on “Inculcating Universal Human Values in Technical Education” during 14-18 December, 2020

6. Attended Two week Online FDP on “Python” organized by JSS Noida and IIT Bombay.
7. One Day Online National Workshop on “Blockchain Technology” organized by Ganpat University in association with ACM Ahmedabad Professional Chapter.
8. Participated in 107th Indian Congress held at university of agricultural sciences, Bangalore 7th to 9th January 2020.
9. Attended six days workshops on Machine Learning from 9th – 14th June 2018 organized by Department of Computer Science and Engineering, S.J.B.Institute of Technology, Bangalore
10. Attended One day Seminar on “Big data analytics and Deep Learning using Matlab” on 22nd November 2017 at Hotel Park Plaza Bengaluru
11. Attended one day workshop on “Sensor Analytics and Advanced Programming techniques using Matlab” on 8th February 2017 at Le Meridian , Bengaluru
12. Attended a TEQIP Workshop on “ Data Analytics for IoT applications” from January 30th 2017 to 4th February 2017
13. A technical talk on “Web Technologies Concepts for Designing web applications” by Mr Vijaykumar Selvaraj , Senior software Engineer, CTS , Bengaluru through Video Conference on 24th September 2016
14. Attended a Webinar conducted by CII (Confederation of Indian Industries) on "The Digital Age: Internet-of-Things (IoT) and Augmented Reality" on 22nd November 2016
15. Attended a seminar on "ICT Solutions for Digital and Smart Karnataka" organized by FICCI in association with Department of IT, BT and S&T, Government of Karnataka. Infocomm International and Computer Society of India on 29th July, 2016 at Hotel Vivanta by Taj, M.G. Road, Bangalore
16. Attended Presentation & Discussion on mapping work going on with RVCE MCA department to emerging & Industry areas & Creation of inventions on 5th May 2016
17. Attended a seminar on "ICT Solutions for Digital and Smart Karnataka" organized by FICCI in association with Department of IT, BT and S&T, Government of Karnataka. Infocomm International and Computer Society of India on 29th July, 2016 at Hotel Vivanta by Taj, M.G. Road, Bangalore
18. Attended 5 day Campus Connect FEP programme on Big Data and Analytics conducted by Infosys Ltd, Bangalore between 10th Aug - 14th Aug 2015 and awarded with “A” grade.
19. Attended the "Embedded Safety and Security Summit - 2015” (ESSS – 2015)" on 17th June 2015 conducted by LDRA Technology, Bangalore with the theme "Coding for Security", by resource persons V Anil Kumar, Principal Scientist, NAL and Lokesh S Balu, Cyber Intelligence Consultant, Dell.
20. Attended Faculty development programme through Industry Institution Interaction with a theme "Emerging Paradigm in Project Management" jointly organized by the Department of IEM and PMI , Bangalore under TEQIP-II Initiative during 4th -8th August 2014.
21. Attended a Two day FDP programme under Academic Initiative programme conducted by TCS, Bangalore on 13th and 14th march 2014
22. Attended a 5 day TEQIP-II workshop on “Big Data Analytics and Business Intelligence” organized by Departments of ISE, CSE and MCA from 16th – 20th December 2013.
23. Attended a 3 day “Induction programme for Newly Recruited Engineering College Teachers” conducted by Karnataka state Higher Education council on 21-23 April 2012.
24. Attended a One day seminar on “Recent Trends and Challenges in current computing environments” conducted by Department of MCA, R.V.College of Engineering, Bangalore.

REVIEWER/EDITORIAL BOARD MEMBER/SESSION CHAIR

1. Reviewer, IASF 2025 Design Thinking projects
2. Scientific Committee Member, 10th International Conference on Education 2024, Sri Lanka May 2024

3. Reviewer , CSITSS 2024.
4. Reviewer for Scopus Indexed Journal “International Research Journal of Multidisciplinary Technovation” during the year 2022-23
5. Reviewer for the Journal SN Computer Science (Q2) from 2021.
6. Reviewer for the conference CSITSS -2022 organized RV College of Engineering November 2023.
7. Session Chair for the conference “International Conference on Expert Clouds and Applications” (ICOECA 2023) on 9th February 2023 organized by Department of MCA, RVCE
8. Session Chair for the conference “Artificial Intelligence and Machine Learning in Applied Biotechnology” (AIMLBIO) organized by Department of AIML and Bio Technology from 8th – 10th December, 2022
9. Reviewer for the International Conference AECE-2022
10. Reviewer of ICACI International Conference on Adaptive Computational Intelligence on 15th -16th December 2020.
11. Reviewer of Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques(ICEECCOT-2017) during 14th -15th December 2018
12. Reviewer for Book Publication Knowledge Computing and its Applications , SPRINGER NATURE, Singapore
13. Reviewer for second IEEE International Conference on Electrical, Electronics, Communication, Computer technologies and Optimization techniques during 15-16th December 2017
14. Reviewer for the IEEE International Conference CSITSS 2016 conducted at R V College of Engineering
15. International Conference on Signal Processing, Communication and Computational Research-(ICSPCCR-16) at Vidya Vikas Institute of Engineering & Technology (VVIET), Mysore on 12th-13th May 2016
16. Program Committee member, International Conference on Natural Language Processing (NTAP-2015) , June 27-28, Bangalore, India.
17. Reviewer for the International Journal, “International Journal on Integrating Technology in Education”, ISSN : 2320 – 3935 , e-ISSN : 2320 – 1886
18. Reviewer for the International Journal of Advance Foundation and Research in Computer (IJAFRC), ISSN 2348 – 4853, IJAFRC-R026
19. Reviewer for International Journal of Artificial Intelligence and Applications ISSN : 0975-900X
20. Reviewer for International Journal of Advance Foundation and Research in Computer (IJAFRC) ISSN 2348 - 4853

PROFESSIONAL BODY MEMBERSHIP

1. Life Member, Computer Society of India
2. Annual Member, IEEE Computer Society of India
3. Life Member, Indian Science Congress

S Anupama Kumar