



## Annual Report for the year September 2022-Aug 2023

### 1. Statistical Data of Staff and Research Scholars

Sl. No.	Particulars	ECE	CSE	ISE	AI& ML	AI& DS	EEE	ME	CV	MBA	PHY	CHE	MATHS
1.	No. of Teaching Staff	36	33	35	9	8	15	14	11	07	7	7	11
2.	No. of Non-Teaching staff	10	10	6	5	3	04	7	3	02	02	2	01
3.	No. of Research Guides	2	5	2	2	0	01	10	1	02	03	1	02
4.	No. of Research scholars	7	18	5	4	0	00	16	2	01	0	3	03

### 2. Activities/ Events of Department conducted for Staff

Dept.	Sl. No.	Name of Event	Date		Resource Person/s	No. of Participants
			From	To		
EC	1.	Advanced wireless communication: 5G Technologies	22-06-2023	24-6-2023	Dr. Siddlingappagouda Biradar	43
AI&ML	2.	FDP on Analysis of Algorithms	25- 05-2023	31-5-2023	Prof. Keshav Murthy	15
Maths	3.	Health Screening Camp-2023	24- 06-2023	-	Dr. Siddesh and Dr. Siri BGS Gleneagles Hospital, Bangalore	231
	4.	Distinction Award Ceremony	09-06-2023	-	Dr. B S Rajanikanth IISc	300
	5.	Vismay 2023	09-06-2023	10-06-2023	Ms. Pratibha Samshimath, Former Mrs Asia	More Than 3000

### 3. Activities/ Events of Department Conducted for Students

Dept.	Sl. No.	Name of Event	Date		Resource Person/s	No. of Participants
			From	To		
EC	1.	Bharath: Loktantra ki Janani (India-Mother of Democracy)	26/11/2022	26/11/2022	Swami Samarpanananda Giri	70
CSE	2.	Workshop on Embedded system and its application	20/06-2023	24/06/2023	Dr. Anil kumar D Thyagaraj T	180
	3.	Samsung Innovation Campus Introduction	17/03/2023	-	Dr. Subba Reddy B	100
ISE	4.	Guest lecture on "PEGA BPM in the Enterprise Ecosystem"	12/08/2022	-	Dr.Naveen L Senior Consultant HCL Technologies.Ltd Bengaluru	157

	5.	“Enabling Institution and Industries to Collaborate	08/12/2022	-	Mr.K Kannan & Mr.S Hemanth Reddy	360
	6.	Importance of Professional Bodies-CSI on Engineering Education”	08/12/2022	-	Dr.Anusuya N J HoD Dept.Aiml Dbit,Bengalure	203
	7.	DBIT Got Talent-2022-23	16/12/2022	18/12/2022	Dr.Nagabushana B S(Guest)	289-Teams
	8.	Infonix-2023 “Students Forum” (Cultural Event)	1/03/2023		Dr.Nagabushana B S(Guest)	217
	9.	Workshop on “ Datamining Techniques Concepts And Its Applications Using Weka Tool”	21/06/2023	24/06/2023	Dr.Gowramma G S	157
	10.	Workshop On ”Web Programming and Building Internet Application”	28/07/2023, 03/08/2023	5/08/2023	1.Mr.Nishanth R Software Trainee Quonix Bengaluru 2.Mr.Damodaram S Experiences Engineer L2, Public Saient Bengalure	74
	11.	Infonix-2023 “Students Forum” (Cultural Event)	03/08/2023	-	Dr.Nagabushana B S(Guest)	300
	12.	Exhibition on “Data Mining Projects Using Weka Tool”	05/07/2023	05/07/2023	Dr.Gowramma G S	157
	13.	Guest lecturer on –“Internet of Things - A hands on Approach “	29/04/2023	-	Mr.Narasimha Swamy S Resercher & Assistant professor R V College of Engineering	111
	14.	“Graduation day and Farewell Batch - 2019”	03/06/2023	-	Dr.Saroj Kumar Meher Associate Professor System Science &Informatics Unit Indian Statistical Institute Bengaluru	111
AI& ML	15.	Guidelines for the technical Interviews	24/6/2023	24/6/2023	Mr. Dinesh M	51
EEE	16.	Expert Talk on Oppurtunities & Challenges in EV Charging Infrastructure	29/04/2023	-	Mr. Sahil Talati(Alumni 2017 Batch)	40
	17.	One day Seminar on Fundamentals of ETAP Software & the associated career oppurtunities	06/05/2023	-	Mr. Santhosh Eswarappa(Alumni 2014 Batch)	67
	18.	3 Days SDP on Recent Trends in IT Sector for Freshers	17/06/2023	08/07/2023	Mr.Mallappa Lagaloti(Alumni 2020 Batch)	24
	19.	Industrial Visit to SLDC,Bengaluru	05/05/2023	-	-	48
	20.	Industrial Visit to GIS Substation-Power Grid,Bidadi	08/08/2023	-	-	49
	21.	One Day Workshop on Design of Electronic Circuits for Embedded & IOT	23/06/2023	-	Dr.Nagaraj,Professor & HOD Dept. of AI&DS,DBIT	57

	22.	Mechanical Industry Specific CAD Software's	07-12-2022	-		43
Civil	23.	Engineers Day	27/09/2022	-	Dr. Raju Jain University	140
	24.	Technical Talk on Fire and Life Safety in Buildings	15/10/2022	-		73
	25.	Technical; Talk on Smart Cities –A New Era of Infrastructure	17/10/2022	-		50
	26.	Two Days Workshop on Concrete Mix Design Using IS 10262:2019 Theory & Practice	08/12/2022	09/12/2022		108
MB A	27.	PGCET online coaching	17/11/2022	18/11/2022	Ms.Priyanka & Mr.Mohsin Khan Primo Inc	250
	28.	Expert talk	24/12/2022	-	Mr. Sai Charan Pradeep Alumuns EEE	60
	29.	Executive Department Program at Radisson Blu Atria, Bangalore	18/03/2023	-	Dr.Sitara and Mr. Rajesh Chakravarthy	60
	30.	Creative Thinking and Means & Methods for Innovation & Winnovation	25/04/2023	-	Mr DPK Muthukumaraswamy Senior Research Scholar Director & CEO Vizistatamaan Technologies, Founder & CEO KrutiBimb	60
	31.	Workshop on “Navigating towards Career path”	18/08/2023	-	Prof. Sanjeev C Dayananda Sagar Business Academy,Bangalore	120
CHE	32.	Real Time embedded systems in industries	17/01/2023	17/01/2023	Dr Nagaraja P	63
	33.	Nano material synthesis and it's applications in electrochemical sensors	21/02/2023	25/02/2023	Dr Shashank M	304
	34.	Parents Teachers Meeting	25/02/2023	25/02/2023	Mrs K Krishnaveni	20
	35.	Industrial Visit to E-Parisara	30/03/2023	30/03/2023	Mrs K Krishnaveni	26
	36.	Remedial Coaching for slow Learners	04/11/2023	04/11/2023	Prof Shivarajkumar S	67
	37.	Padagogy Classes For Advanced Learners	04/11/2023	04/11/2023	Prof Shivarajkumar S	74
	38.	Technical Seminar on understanding thre nuances of scientific research: A step up process in the current area	06/02/2023	06/02/2023	Dr M S Santhosh	23
	39.	Introduction to Swayam – NPTEL	07/03/2023	07/03/2023	Prof Sharmila R S	75
	40.	Organic Memory to optoelectronics: Exploring advancd technologies	27/07/2023	27/07/2023	Dr Shanker G	150
	41.	Parents Teachers Meeting	08/5/2023	08/05/2023	Mrs K Krishnaveni	33
	42.	Skill Development Programme On Synthesis of Multifunctional Nanomaterial and Applications	31/08/2023	09/02/2023	Dr Shashank M	80
PHY	43.	I-Phase Induction Program	01/12/2022	10/12/2022		800

44.	Quantum Computation-Foundation & Technology	21/01/2023	21/01/2023	Dr. A R Usha Devi	119
45.	Generation & Applications of Shock Waves Using Reddy Shock Tube	04/02/2023	04/02/2023	Department Faculty members	276
46.	Parent Teachers Meeting - 1	04/02/2023	04/02/2023		27
47.	An Exposure to Basic Civil Engineering	25/02/2023	25/02/2023	Prof Raghavendra R	242
48.	Introduction to Electrical Engineering	03/03/2023	03/03/2023	Prof. Rajath Shankar P S	139
49.	National Science Day – 2023	04/03/2023	04/03/2023	-	400
50.	II-Phase Induction Program	25/05/2023	05/06/2023		800
51.	Workshop on Carrier Guidance in Animation	05/07/2023	05/07/2023	Prof Anand Rathod and Prof. Naveen Naidu	181
52.	Awareness Program on Massive Open Online Course (MOOC)	06/07/2023	06/07/2023	Dr. Gowramma G S	62
53.	Guest Lecture on Awareness Program on Scope Of Electronics To The Society	22/07/2023	22/07/2023	Mr. Manjunath G	170
54.	Industrial Visit At Indian Institute of Astrophysics	26/07/2023	26/07/2023	-	50
55.	Parent Teachers Meeting - 1	05/08/2023	05/08/2023	-	27

#### 4. MOU's

Dept.	Sl. No.	Name of Company/Institute	Valid Date		Activity Details
			From	To	
EC	1.	PLUS PPA	2022-23		Internship for 11 students
CSE	2.	Samsung Innovation Campus,Bengaluru	2023	2023	
	3.	ICT Academy	2022	2022	
	4.	EdGate Technologies Pvt Ltd,Bengaluru	2023	2023	
	5.	Seventh Sense,Bengaluru	2022	2022	
	6.	Freshers Labs,Bengaluru	2022	2022	
	7.	ARL,Bengaluru	2021	2021	
	8.	Vtricks Technologies,Bengaluru	2021	2021	
	9.	S R Technologies,Bengaluru	2022	2022	
	10.	Sevenchats,Pvt Ltd,Bengaluru	2021	2021	
	ISE	11.	Rapsol Technologies Pvt. Ltd.	2022-23	
12.		Brainovision Solutions Pvt. Ltd.	2021-22		
13.		EDGate Technologies Pvt. Ltd.	2021-22		
14.		ICT Academy	2020-21		
15.		Tech Trunk Ventures Pvt. Ltd.	2019-20		
16.		Karnataka State Council for Science and Technology	2019-20		
17.		Vtricks Technologies	2018-19		
EEE	18.	MY EV Academy	8/06/2023	07/06/2026	Installing of EV Vehicle charging station in College Campus
CHE	19.	Universal Human Values & Professional Ethics	6-12-2022	6-12-2022	Guest Lecture
	20.	Polymer industry & Applications	21-01-2023	21-01-2023	Webinar

	21.	Effect of industrialization on environment	17-05-2023	17-05-2023	Webinar
Maths	22.	B G S Gleneagles Hospitals, Kengeri, Bangalore	28.07.2021	29.07.2023	Free Health Screening camp-2023 (2 years validity)

### 5. Research Details

Dept.	Sl. No.	No. of Books Published	No. of Research Paper Published	No. of Research Papers Presented	No. of Conference / Symposium / Seminar/Workshop attended by the teachers		No. of invited Lectures delivered by the Teachers	No. of FDPS/STTPS	No. of FDPs/certifications in NPTEL/Course Era completed.
					Foreign	National			
EC	1.	1	6	6			2		18
CSE	2.	1	19	9					
ISE	3.	07	15	-	-	03	07	12	
AI&ML	4.	-	4	4	2		0	3	1
EEE	5.	-	02	-	01	08	01	16	12
MBA	6.		02			04			01
CHEM	7.	01	03	01	01		6		
PHY	8.	-	02	01	0	2	0	1	1
MATHS	9.	-	02	01	0	2	0	1	3

### 6. List of Major & Minor Research Projects during the year 2022-2023

Dept .	Sl. No.	Name of the Teacher / Principal Investigator	Project Title	Year of Sanction	Funding Agency	Total Amount Sanctioned	Amount utilized during current year
EC	1.	Mrs. Bhavya A B Mrs. Roopa B S	Industrial Boiler Monitoring Using Iot and Optimization of Combustion by Neural Networks	2022-23	KSCST	5000/-	2022-23
	2.	Mr. Shashi Ranjan	AERIAL AGRI-CIDES USING KINESICS	2022-23	KSCST	5000/-	2022-23
CSE	3.	Dr. Parvathi C	IoT - Based Mechanism with features of extended education using Block Chain	2022-23	VGST	3,00,000	2022-23
	4.	Mrs. Chaitra B, Ms. Kanu Shree N Mr. Himanshu Maurya Ms. Jeevitha B Y Ms. Kavya D	Enhanced Medical Crowdfunding	2022-23	KSCST	5,000/-	2022-23
	5.	Dr. Venugeetha Y, Ms. Bhoomika B Poojari Ms. Akanksha Srivastava Ms. Akshatha A D Ms. Gagana	Autoencoders For Anomaly Detection Using Isolation Forest Algorithm	2022-23	KSCST	4,000/-	2022-23
ISE	6.	Mrs. Supriya	Anovel Approach For Secured Authentication Using Artificial Intelligence And Machine Learning	2022-23	KSCST	4,000/-	2022-23

	7.	Dr. Rajashekar M Patil.	Idea of Decentralization Using Block Chain In Book Worms Edition	2022-23	KSCST	4,000/-	2022-23
	8.	Mr. Shakaragowda S R	Deep Neural Network Approach Based on Multi Modal Biometric System with Fusion of face And Finger Vein Recognition	2022-23	KSCST	4,000/-	2022-23
	9.	Mr. Shakaragowda S R	Multimodal Biometric Authorization using Feature Fusion of Fingerprint And Face using CNN Approach for Cyber Security	2022-23	KSCST	4,000/-	2022-23
	10.	Mrs. Shridevisali.	Payment System Based on Indentity Verification Inmetro Station	2022-23	KSCST	4,000/-	2022-23
EEE	11.	Mrs.Padmashree V Kulkarni & Dr.Prakasha P K	Electricity Production using Bio-Gas for Rural Area	2023	KSCST	7,000/-	2022-23
	12.	Mr.Rajath Shankar P.S & Mr. R Santhosh Kumar	Low Cost E-Rickshaw for Rural Applications	2023	ATME Mysuru	2,000/-	2022-23
ME	13.	S M Mahesh	Design and fabrication of a low cost automated battery packing system	2022-23	KSCST	7,000/-	2022-23
	14.	Prof. Dharshan BG	Newer techniques to increase mechanical and thermal efficiency of ic engine using hydrogen fuel to produce clean energy	2022-23	KSCST	7,000/-	2022-23
	15.	Prof. Chandana N C	Design and Fabrication of Mechanical Sickle for Agriculture Utility	2022-23	VTU	5,000/-	2022-23
	16.	Prof. Darshan B G	Design and Fabrication of Low Cost Manually Operated Multipurpose Agriculture Machine	2022-23	VTU	5,000/-	2022-23
Civil	17.	Dr. R L Ramesh Prof. Raghavendra R	An Experimental Study On Fiber Reinforced Self-compacting Concrete By Using Composite Materials And C And D Waste With Artificial Intelligence Tools	2022 - 23	KSCST	4,000/-	2022-23
	18.	Prof. Sandhya Rani G M	Experimental Study On Stabilized Black Cotton Soil Blocks Using Alco fine, lime and Polypropylene Fibers	2022 - 23	KSCST	4,000/-	2022-23
	19.	Prof. Mahesh D	Solid Waste Disposal Site Selection In South Bangalore City Of Karnataka Using Geospatial Technology	2022 - 23	KSCST	3,000/-	2022-23

## 7. List of Publications in reference citation format

Dept.	Year	Publication Details
ECE	2022	SURESH H S, "Detection of Alzheimers's Disease using grey wolf optimization based clustering algorithm and deep neural network from Magnetic resonance images", Distributed Parallel Databases, An International Journal of data Science, Engineering, Management,
	2023	S.Babitha. "Real Time Implementation of Fuzzy Controller to Minimize Torque Ripple in Switched Reluctance Motor", iNTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, ISSN:2147-67992147-6799
	2022	S.Babitha, "Non-invasive Wearable Device for Monitoring Chronic Disease.", Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology. Springer, ISSN: 978-981-19-2350-0
	2022	ASHWATH NARAYANA, "Green and Low-Cost Synthesis of TiO <sub>2</sub> Nanoparticles for Methanol Detection", ASIAN JOURNAL OF CHEMISTRY, ISSN: 0975-427X
	2023	ASHWATH NARAYANA, "Study on LiAgX Zeolite Based Pressure Swing Adsorption Technique Employed Oxygen Concentrator", EUROPEAN CHEMICAL BULLETIN, ISSN: 2063-5346
	2023	TEJASWINI, "Room Temperature Measurement of NO and NO <sub>2</sub> using Chemi-resistive Chalcogenide based Sensor", EUROPEAN CHEMICAL BULLETIN, ISSN: 2063-5347
ISE	2022	Asha Kethaganahalli Hanumanthaiah and Manjunathswamy Byranahalli Eraiah (2022), "Challenge Responsive Multi Modal Biometric Authentication Resilient to Presentation Attacks ", International Journal of Intelligent Engineering Systems, Vol.15, No.2, 2022 <b>DOI:</b> 10.22266/ijies2022.0430.44
	2022	Deepa Y, Abhishek K L, Yogish H K and Kavitha G, "Public Alerting System for Disastrous Events", International Journal for Modern Trends in Science and Technology, Vol 8, Issue 4, 389-394, 2022. <b>ISSN:</b> 2455-3778 online, <b>DOI:</b> <a href="https://doi.org/10.46501/IJMTST0804065">https://doi.org/10.46501/IJMTST0804065</a>
	2022	Dr . Manjula V and Shalaka B," Training for Progress of Student's Performance in Engineering Colleges", Journal of Network Security and Data Mining, Volume 5, Issue 1, Page 1-8, 2022, <b>DOI:</b> <a href="https://doi.org/10.5281/zenodo.6393390">https://doi.org/10.5281/zenodo.6393390</a>
	2022	Shankara Gowda S R and Dr Nandakumar A N, "Hybrid Method of Multimodal Biometric Authentication Based on Canonical Correlation with Normalization Techniques," International Journal of Special Education, <b>ISSN:</b> 0827-3383, Vol.37, No.3, pp. 2061-2073, Year-2022.
	2022	Varsha R and Likitha P, "Applying Machine Learning for Prediction of IVF and Selection of Blastocyst Images", 2 <sup>nd</sup> National Conference on Engineering Applications of Emerging Technology in association with International Journal of Scientific Research in Science, Engineering and Technology   Print ISSN: 2395-1990   Online ISSN: 2394-4099 [ <a href="https://ijsrset.com">https://ijsrset.com</a>   DOI: <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a> ]
	2023	Santhosh Kumar S and B K Raghavendra, "An Efficient Approach for Coffee Leaf Disease Classification and Severity Prediction", International Journal of Intelligent Engineering and Systems, Scopus Indexed Q3 Journal, Vol. 16, No. 5, DOI: 10.22266/ijies2023.1031.69, 2023.
	2023	Anil Kumar C J and B K Raghavendra, "Heterogeneous Ensemble Credit Scoring Model using Multilevel Stacking", Scopus Indexed Q3 Journal: European Chemical Bulletin. June 2023, 12 (Special Issue 5), ISSN 2063-5346, 1971-1984.
	2023	C V Jayaram and B K Raghavendra, "Automatic Pattern Co-Location Detection in Video Streams-Real Time Implementation", International Journal of Computer Applications, Scopus Indexed Journal, Volume 185, No. 4, DOI: 10.5120/ijca2023922690, April 2023.
2023	Sandeep H and Dr. B K Raghavendra, "An Efficient Heterogeneous Ensemble Smote Based Learning Model for Diabetes Mellitus Prediction", Journal of Data Acquisition and Processing, Scopus Indexed Journal, Vol. 38 (1), 1340-1352, ISSN: 1004-9037, 2023.	

	2023	Ugranada Channabasava and B K Raghavendra, "Link Prediction on Multi Attribute Extracted Social Network using Machine Learning Models ", The Seybold Report, Scopus Indexed Journal, ISSN: 1533-9211, v 18.102, 800-814, 2023.
	2023	Santhosh Kumar S and B K Raghavendra, "W-Gfpo Yolov3 and J-Fcm based Multi-Disease Prediction in Coffee Leaves", Journal of Data Acquisition and Processing, Scopus Indexed Journal, Vol. 38 (1), 1319-1339, ISSN: 1004-9037, 2023.
	2023	Santhosh Kumar S and B K Raghavendra, "A Study on Challenges in Coffee Plant Leave Disease Segmentation and Identification on Various Factors", Springer, 3 <sup>rd</sup> International Conference on Cybernetics, Cognition and Machine Learning Applications, pp. 433-446, February 2023.
	2023	Jayaram C V and B K Raghavendra, "Video Stream Based Colocated Pattern Recognition and Movement Tracking Based on MD-PCA and VDI-FCC Techniques" has been reviewed and accepted for publication in the International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 14 No 9 September 2023.
	2023	Gowramma G S, Shantharan Nayak, Nagaraj G Cholli (2023), "IVF Success Rates Prediction Using Hybrid ANN-GA based Machine Learning Model", International Conference on Cognitive Computing and Information Processing, pp 1-7, 10.1109/CCIP57447.2022.10058652.
	2023	Shankara Gowda S R, "Content Based Image Retrieval Using Colour Moments," Gradiva Journal, ISSN: 0363-8057, Volume-9, Issue-4, Pp. 370-377, Year-2023.
CSE	2022-23	V. Naveen Kumar , Dr. Ashok Kumar P S,"Analysis and Design of an Integrated Model For Increasing The Performance Of Map Reduce On Heterogeneous Big Data Processing",European Chemical Bulletin,ISSN 2063-5346,2022-23, <a href="https://www.eurchembull.com/uploads/paper/dc8c501103a1c6d294acd50e9156e658.pdf">https://www.eurchembull.com/uploads/paper/dc8c501103a1c6d294acd50e9156e658.pdf</a> .
	2022-23	Sagar Babu Jeldi, Dr.Ashok Kumar P.S.,Intrusion Detection System In Web Mining Using Continuous Learning Vector Quantization,European Chemical Bulletin ,2063-5346,2022-23, <a href="https://www.eurchembull.com/about">https://www.eurchembull.com/about</a> .
	2022-23	Sagar Babu Jeldi, Dr.Ashok Kumar P.S,Data Acquisition And Pre-Processing Using Kf Model For An Intrusion Detection System In Web Mining, European Chemical Bulletin ,2063-5343, <a href="https://www.eurchembull.com/about">https://www.eurchembull.com/about</a> .
	2022-23	Sagar Babu Jeldi,Ashok Kumar P S ,Dr Manjunath Swamy B.E,Review of Cyber Security Practices,International Journal of Research and Analytical Reviews (IJRAR), (E-ISSN 2348-1269, P- ISSN 2349-5138,2022-23, <a href="https://www.ijrar.org/">https://www.ijrar.org/</a>
	2022-23	J. Sagar Babuand Prof. Dr. Ashok Kumar P.S, Comparative Analysis of Cyber Physical System Classifications Utilizing Machine and Deep Learning,Advanced Engineering Science, ISSN: 2096-3246,Volume 54, Issue 02, April, 2022, <a href="https://www.gkyj-aes-20963246.com/">https://www.gkyj-aes-20963246.com/</a>
	2022-23	Sagar Babu Jeldi ,Ashok Kumar P S,Dr Manjunath Swamy B.E, Study on Assault, Danger and Weakness of Cyber security, International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, <a href="https://www.ijrar.org/">https://www.ijrar.org/</a>
	2022-23	V. Naveen Kumar , Dr. Ashok Kumar.P.S, Big Data Interpretation for Petroleum and Energy Extraction Study and Application, Data and Knowledge Engineering, ISSN: 2096-3246, AES (advancedengineeringosciences.com).
	2022-23	V.Naveen Kumar, Dr Ashok Kumar P S, Map Reduce with Hybrid Optimization for Advanced Scalable Sparql Query Processing and Loading Speed in Big Data, Journal of Harbin Engineering University, ISSN: 1006-7043, <a href="https://harbinengineeringjournal.com/index.php/journal/article/view/653/487">https://harbinengineeringjournal.com/index.php/journal/article/view/653/487</a>
	2022-23	V.Naveen Kumar, Dr Ashok Kumar P S,Optimizing Business Insights: An Enhanced Large-Scale RDF Query Processing And Loading Speed On Big Data, Journal of Namibian Studies, ISSN: 2197-5523, <a href="https://namibian-studies.com/index.php/JNS/article/view/3879">https://namibian-studies.com/index.php/JNS/article/view/3879</a>



	2022-23	V.Naveen Kumar, Dr Ashok Kumar P S, An efficient and scalable SPARQL query processing framework for big data using MapReduce and hybrid optimum load balancing, Journal of Data and Knowledge Engineering, 2023.102239, <a href="https://doi.org/10.1016/j.datak.2023.102239">https://doi.org/10.1016/j.datak.2023.102239</a>
	2022-23	Noor Basha,Dr. Ashok Kumar P S,Shilpa Reddy K,RoopaLakshmi S, CAT-ANT SWARM OPTIMIZATION BASED ON REPETITIVE DEEP LEARNING NEURAL NETWORK FOR BIG DATA PROCESSING, European Chemical Bulletin , 12(10), 9180-9195, <a href="http://eurchembull.com">eurchembull.com</a>
	2022-23	Noor Basha , Ashok Kumar P S , KavithaBaiA S , Optimal Data Clustering through Hybrid CSO and CD-Fuzzy C means Optimization, Journal of Propulsion Technology, 1001-4055 Optimal Data Clustering through Hybrid CSO and CD-Fuzzy C means Optimization   Tuijin Jishu/Journal of Propulsion Technology ( <a href="http://propulsiontechjournal.com">propulsiontechjournal.com</a> )
	2022-23	Champa C H,Healthcare CHATBOT using Artificial Intelligence, International Research Journal of Modernization in Engineering Technology and Science, ISSN:2582-5208, <a href="https://www.irjmets.com">https://www.irjmets.com</a>
	2022-23	Saba Naaz, Dr.K.B.ShivaKumar, Dr.Parameshachari B.D, Aggregation Signature of Multi Scale Features from Super Resolution Images for Bharatanatyam Mudra Classification for Augmented Reality Based Learning, International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, 2147-67992, <a href="https://ijisae.org/index.php/IJISAE/article/view/2565/1147">https://ijisae.org/index.php/IJISAE/article/view/2565/1147</a>
	2022-23	Saba Naaz, K.B. Shiva Kumar, Integrated deep learning classification of Mudras of Bharatanatyam: A case of hand gesture recognition, The scientific temper, 0976-8653, <a href="https://scientifictemper.com/index.php/tst/article/view/621/574">https://scientifictemper.com/index.php/tst/article/view/621/574</a>
	2022-23	G.R. Thippeswamy , R. Jayadurga and Suresh Kumar Sharma, AI BASED MACHINE LEARNING ALGORITHM IN VLSI TECHNOLOGY APPLICATION, ICTACT Journal on Microelectronics (IJME) , 2395-1680, TGR1.pdf
	2022-23	Dr . G.R. Thippeswamy , Dr.Erappa G , Prapulla kumar M S ,A Methodical Examination Of How Artificial Intelligence Is Altering The Cyber Security Landscape And Thwarting Cyber Attacks, International Journal of Research and Analytical Reviews (IJRAR), 2348-1269, TGR2.pdf
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MBA	2021	Dr.Pushpalatha published paper in Scopus index “A Study to Reconnoitring The Efficacy of Competency Mapping in Select IATF16949 Certified Automobile Companies in South Karnataka. Volume 12, issue 11, pg no 1828-1847.
		Dr.Pushpalatha published paper in Competency Mapping : Drive for IATF 16949:2016 Certificated Indian Automobile Industry with special reference to M/S. Rane (Madras) Ltd. Mysore volume 06., Issue 2 ISSN 2349-5138)
	2019	Dr. Buvaneswari P published paper in Journal Management & Entrepreneurship A Study on Behavioural finance and its impact during Pre & Post Covid - 2019 Volume 2 pg 18-20 2229-5348-4257
		Dr. Buvaneswari P published paper in IJRAR Impact of Financial Performance, Profitability of IT Companies with special reference to Wipro Infrastructure Engineering Private Ltd. Volume 7 pg 30-37 Pg no 2349-5138
	2022	Dr.Teena Jaculin Published a paper in International Journal of Emerging Technologies and Innovation Research titled Industry 4.0 and Human Resource Management Volume 9, pg 1422-1430, Issue 8, ISSN 2349-5162.
	2021	Dr.Teena Jaculin Published a paper in International Journal titled A Study on job satisfaction among teachers in Government school & Private school in Coimbatore district, Pg 67, ICIRSSST 020.
	2019	Dr.Teena Jaculin Published a paper in International Journal of Management (Scopus index) titled An Analysis on the impact of work related factors on the level of Occupational stress among the public bank employees in Coimbatore district, volume 10, ISSN 6502 issue 3
	2022	Prof.Usha G International Conference Covid 19 j pandemic & Indian Stock Market Behaviour in Emerging Markets
	2020	Prof.Usha G published a paper in DSI insight titled Health care marketing- is it necessary?
	2015	Prof.Usha G published a paper in National Conference titled on Green Finance
	2013	Prof.Usha G Published a paper in International CONFERENCE Profitability Analysis of power companies in India-A comparative study of Reliance Power LTD, Tata Power Ltd & NTPC, ISBN 978-93-83241-00-2
	2013	Prof.Usha Published a paper in International conference A study on hedging strategies as a risk management tool using futures ISBN 978-93-83241-00-2
	2013	Prof.Usha pulished a paper in International conference about perception towards market capitalization- a study on Mutual funds in India ISBN 978-93-81361-67-2
	2022	Prof. Shivalingappa B published paper in International Journal Innovation in ICT for the development of Rural Market - A case on E CHOUPAL ISBN 2021-22-NAV2030-3
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	2023	A.S. Manjunatha Bimetallic CuO - ZnO Hybrid Nanocomposite Materials for Efficient Remediation of Environmental Pollutants ISSN number 2365-6549, <a href="https://doi.org/10.1002/slct.202300583">doi.org/10.1002/slct.202300583</a>
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	2023	Dr. N V Sushma, Advances in Chemical Biology- An Approach for Future Perspectives ISBN/ISSN 979-8-88940-057-8 SHINEEKS Publishers
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	2022	Dr. Manjula S Dalabanjan, Estimation of variance of parameters in a model proposed to study prognosis of lung cancer International conference, ISBN/ISSN 978-981-19-6087-1, Springer

## 6. No. of Patents filed

### AI&ML

- I. Hybrid Inverter grid System
- II. An Innovative Hyper Spectral Image Classification Approach Using Weighted Feature Fusion of Convolution Neural Network

## 7. No. Of Patents Published:

### ISE

1. Emmanuel Raj M Chirchi, Patent on Title of the Invention: Soil Classification for Planting and Monitoring Using FCNN-based IoT Smart Agriculture System, the Patent Office Journal No. 03/2022 date 21/01/2022, Application No. 202241001148, International Application No. PCT//01/01/1900.
2. Shankara Gowda S R. 2023. An IoT-Based Monitoring and Control System for Smart Bins in Urban Areas. INDIA Patent 202341032802A, filed May 9<sup>th</sup>2023 and issued June 23<sup>rd</sup> 2023.
3. Dr. Gowramma G S has been granted a Copyright with Registration Number L-125573/2023 on 14.06.2023 on Topic Development of Datamining Model for in Vitro Fertilization (IVF) Data Retrieval. Copyright Office, Government of India.

### AI&ML

- I. An Innovative Hyper Spectral Image Classification Approach Using Weighted Feature Fusion of Convolution Neural Network
- II. IoT enabled wireless printer with audio player

### 8. Placement Details:

Dept.	Sl No.	Name of the Company	No. of Students Placed	Sl No.	Name of the Company	No. of Students Placed
ECE	1.	TCS	2	8	AVAALI	1
	2.	HEXAWARE	4	9	TURINGMINDS.AI	5
	3.	TECH MAHINDRA	3	10	STRATOAGENT	3
	4.	JOHNSON CONTROLS	2	11	MPHISIS	9
	5.	SKOLAR	11	12	IBM	1
	6.	KPMG	1	13	PEPPER INTERACTIVE	2
	7.	NTELLIPAT	2			
CSE	1.	AGILE POINT	2	15	KPMG	01
	2.	ALAER SYSTEM	1	16	MPHISIS	12
	3.	ARTERIA TECHNOLOGIES	1	17	NTT DATA	04
	4.	BYJU'S	1	18	PEPPER INTERACTIVE	01
	5.	CLARIVATE	2	19	QUINNOX	10
	6.	CRMIT	2	20	SKOLAR	14
	7.	CSG INDIA PVT LTD	3	21	STRATOAGENT	03
	8.	GROW JUNCTION	2	22	SPARK COGNITION	01
	9.	HEXAWARE	2	23	SYNTHESIS	01
	10.	IBM	3	24	TCS	06
	11.	INTELLIPAT	15	25	TEACKNOOK	10
	12.	JOHNSON CONTROLS	06	26	TECH MAHINDRA	01
	13.	KANINI SOFTWARE	02	27	WILEY EDGE	01
	14.	MAVENBERG INNOVATIONS	01	28	TURINGMINDS.AI	02
ISE	1.	TCS	4	10	MAVENBERG INNOVATIONS	1
	2.	42 GEARS	1	11	MPHISIS	12
	3.	AVAALI SOLUTIONS	1	12	NTT DATA	6
	4.	CLARIVATE	1	13	QUINNOX	9
	5.	CORDIS	1	14	SKOLAR	14
	6.	CRMIT	2	15	STRATOAGENT	2
	7.	HEXAWARE	3	16	TEACKNOOK	7
	8.	INTELLIPAT	3	17	TORRY HARRIS INTEGRATION SOLUTION	2
	9.	JOHNSON CONTROLS	5	18	TURINGMINDS.AI	9
	10.	LEAD SQUARED	2			
AI&ML	1.	UPGRAD	1	3	ZWAYAM	1
	2.	WILEY EDGE	1			
EEE	1.	HEXAWARE TECHNOLOGIES	1	8	FOXCONN HON HAI	2
	2.	SKOLAR	2	9	KIRLOSKAR ELECTRIC	3
	3.	TCS	1	10	IBM	1
	4.	PROMAN INFRASTRUCTURE SERVICES PVT LTD	2	11	WIPRO	1
	5.	BYJU'S	2	12	BG TECHNOLOGIES	3
	6.	UPGRAD	1	13	SCHENCK	1
	7.	UNITED BREWERIES	1			

ME	1	PROMAN	10		CYIENT	1
	2	FOXCONN HON HAI	4			
CIVIL	1	INFOSYS	1	4	SKOLAR	2
	2	INTELIPAAT	1	5	BRAINSTORM INFO TECH	3
	3	TEACHNOOK	1			
MBA	1	HDFC LIFE	03	6	EDELWEISS	02
	2	TATA AIG	12	7	INDIA MART	01
	3	CLOUD THAT TECHNOLOGIES	02	8	STANZA LIVING	03
	4	INVESTOSURE	08	9	HFFC	01
	5	V-MART	02			

*msh*

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