RSET
RAJAGIRI SCHOOL OF
ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

CYBERBLITZ NEWS LETTER

JANUARY 2021 – JUNE 2021

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programmes organized by the department:

Category A	No	Topic	Speakers/ Resource Persons	Sponsors/ Collaborators if any	Duration & Dates	Attended by (give numbers)	
						External Participants	Internal Participants
Training Programs	1	Bridge Course on Logic Development & Introduction to Programming	Dr. Preetha K G Ms.Tripti C Mr.Sandy Joseph Dr. Saritha S Ms. Shimmi Asokan Dr. .Dhanya P.M Ms.Amitha Mathew Ms.Anita John	Nil	4 Days 26/04/2021 to 29/04/2021	Nil	254
	2	LateX Beamer	Ms. Meherban M S	Student Talent Promotion Cell and Training Cell of CSE Dept.	1 Day 13/4/2021	Nil	150
	3	Technical Writing Skills – How to write a research paper	Dr. Saritha S	Student Talent Promotion Cell and Training Cell of CSE Dept.	1 Day 07/4/2021	Nil	170
Faculty Development Programmes	1	FDP on Vedic Mathematics	Prof. K S Mathew	NIL	20 hours 10 Saturdays 2 hours each 7/11/2020 to 13/2/2021		10
	2	FDP on Data Sciecne and Artificial Intelligence	Dr.Pranesh Das(NITC) Dr. Lijiya A(NITC) Mr. Sreejith R(RCSB) Dr. Bindu Krishnan(Jain	KTU	5 days 8/2/2021 to 12/2/2021	71	40

			University) Dr. Sreeraj M(Sree Ayyappa College) Prof. Dominic Mathew(RSET) Mr. Jeethu Joseph(TCS) Dr. Abraham Thomas(RSET) Mr. Sudheer Mohan(Wipro), Dr. Vinodkumar P B(RSET)				
	3	Systemizing research – problem finding to patenting	Dr. John Jose, IIT, Guwahati Dr. Madhu S Nair Department of Computer Science, CUSAT Adv. Afsar S, Patent & Trademark Attorney, Afsar and Associates, Banglore	ISTE	29/03/2021-31/03/2021 (2 hours each)	100	50
Others	1	Computer Programming in a visual context	Ms.Diya Thomas, Research Scholar, Macquarine University, Australia	NA	15-05-2021	NIL	56

Category B	No	Topic	Speakers/ Resource Persons	Sponsors/ Collaborators if any	Duration & Dates	Attended by (give numbers)	
						External Participants	Internal Participants
Talk	1.	Expert talk on NLP and its recent advancements	Mr. Premjith B Faculty Associate at the Center for Computational Engineering and Networking (CEN), Amrita Vishwa Vidyapeetham,Coimbatore	IEEE CS SB DCS,RSET	2 Hours 21st April 2021		105

Organized by other institutions/organizations and attended by our faculty:

Category C	No	Topic	Organized by (give name & place in full)	Duration & Date	Name of faculty member	Paper Presentation / Resource Person
Conference	1	International Conference on Communication and Intelligent Systems	Global Institute Of Technology, Jaipur, India And Rajasthan Technical University, Kota	26-27 Dec 2020	Anu Maria Joykutty	Reinforcement Learning based Clustering Algorithm for Cognitive Wireless Sensor Networks
	2	Conference	NIT Jalandhar	21-23 May 2021	Meharban M S	A Review on Cross-modality synthesis from MRI to PET

	3	First International conference on Recent Trends in Artificial Intelligence 2021	Adi Shankara Institute of Engineering & Technnology	29-30 June 2021	Harikrishnan M	Micro-expression recognition using time distributed convolutional and recurrent neural network
	4	International Conference on Communication, Control and Information Sciences.	GEC, Idukki	16-18 June 2021	Sangeetha Jamal	Survey And Analysis On AI Based Phishing Detection Techniques
	5	International Conference on Intelligent Computing in Information Technology	SKN Singhad College of Engineering, Pandharpur, India	25-26 June 2021	Sangeetha Jamal	Virtual Fitting Room
	6	International Conference on Intelligent Computing in Information Technology	SKN Singhad College of Engineering, Pandharpur, India	25-26 June 2021	Sangeetha Jamal	Performance study of various Text Classification Algorithms and its Applications: An Analysis
Workshop	1	Two days Hands in Workshop on NoSQL database MongoDB using Python"	KVM COLLEGE OF ENGINEERIN G & IT, CHERTHALA	6-7 May 2021	Meenu Mathew	
	2	AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)	AICTE	28 June 2021 – 2 July 2021	Meenu Mathew	

Training Programme	1	Effective Communication	DRD Communications & Software (P) Ltd., Smart City, Kochi	4 hours 13-01-2021 to 03-02-2021	Prof. K S Mathew	
Faculty Development Programmes	1	FDP on Machine Learning, AI, Deep Learning	BVM Engineering College,Gujarath	28-12-20 to 02-01-21	MEHARNAN M S	
	2	Cyber Security	ATAL	Feb 1,2021- Feb 5, 2021 5 days	Ms. Tripti C	
	3	Cyber Security	ATAL	Feb 1,2021- Feb 5, 2021 5 days	Ms. Jyotsna A.	
	4	Image Processing Using OpenCV Python	Finland Labs	Feb 22, 2021 - Feb 26, 2021, 5 days	Dr. Renu Mary Daniel	
	5	Fine Tune your Research Planning	Govt. Engineering College, Sreekrishnapuram	March 22-26 2021, 5 days	Dr. Preetha K G	
	6	Analysis and Implementation of Data Security on Hosts and Networks	Muthoot Institute of Technology and Science, Varikoli	10/5/2021 to 15/05/2021	Ms. Jisha Mary Jose	

	7	Applied Data Science: Tools and Techniques	DCS,Lakireddy Bali Reddy College of Engineering	29/05/2021 to 02/06/2021	Ms. Sangeetha Jamal	
	8	FDP on Machine Learning and Deep Learning Using Python	UKF College of Engineering and Technology	14-18th June 2021	Jincy J Fernandez	
	9	Inculcating Universal Human Values in Technical Education	AICTE	14-18 June 2021	Prof. K. S. Mathew	`
Courses	1	Online certification course on Computational Resources and Application for Sanskrit	Kamala Nehru College, Siri Fort, New Delhi, University of Delhi	15 days, March 15-30 2021	Sangeetha Jamal	
Seminar/Webinar	1	Sanskrit in Higher education-Possibilities and challenges	IQAC, Govt. Sanskrit College, Tripunithura, Kerala	13-14 Jan 2021	Sangeetha Jamal	
	2	Webinar on Trends and Tools in Biometrics	KMM College of Arts and Science , Kochi	27/05/2021	Ms.Amitha Mathew Ms. Jincy J Fernandez	Resource Person

Organized by other institutions/organizations and attended by our students:

Category D	No:	Topic	Organized by	Duration, Date	Name of Student	Paper presentation/ Title of paper
Conference	1	IoT Based Control Networks & Intelligent Systems	St. Joseph's College of Engineering and Technology, Kottayam	10-11 December, 2020	Carol Antony Bestina Pariyath Aswin Sahil Akash R Nair (S7 CSE A)	Emotion Recognition-Based Mental Healthcare Chat-bots: A Survey
	2	Second International Conference On Secure Cyber Computing and Communications (ICSCCC 2021)	Dr B R Ambedkar National Institute of Technology, Jalandhar	21-23 May, 2021 (3 days)	Ashia Joseph	A Review on Cross-modality synthesis from MRI to PET
	3	Second International Conference On Secure Cyber Computing and Communications (ICSCCC 2021)	Dr B R Ambedkar National Institute of Technology, Jalandhar	21-23 May, 2021 (3 days)	Antony J Malakkara n	A Review on Cross-modality synthesis from MRI to PET
	4	Second International Conference On Secure Computing	Dr B R Ambedkar National Institute of Technology,	21-23 May, 2021 (3 days)	Harishma M Babu	A Review on Cross-modality
	5	First International conference on recent trends in artificial intelligence 2021	Adi Sankara Institute of Engineering and Technology (ASIET)	2 days 29th and 30th June 2021	Chinnu Treesa Fulton, Maria Jomy, Dwinkle Anna Thomas, Megha Eldho	Micro-expression recognition using time distributed convolutional and recurrent neural network

Workshop	1	UNO - Arduino Workshop	RSET IEDC RSET IEEE PES SBC.		50	
	2	Blender Workshop	Mar Athanasius College of Engineering, Kothamangalam	2 January 2021	Sona Mohan	
	3	Mechatronics	Mar Athanasius College of Engineering, Kothamangalam	9-10 January 2021	Avani N	
	4	Artificial Intelligence	GUVI, IIT MADRAS	2 hours, 25/04/2021	Rahul G Krishnan	
	5	AI-For-India 1.0	GUVI, IIT MADRAS in collaboration with AICTE	2 hours, 25/04/2021	Sona Mohan	
	6	Deep learning AUTODESK FUSION 3D DESIGINING	NIT Calicut, IEDC , RSET	21- 22 May 2021(2 days)8 MAY 2021	Emil Jacob RoyEMIL IN ANTONY	
Training Programme	1	Web development with Javascript and React.Js Bootcamp	ShapeAI	7 days 15/06/2021 to 22/06/2021	MS Hasna	
	2	Web development with	ShapeAI	7 days	Fathima Sahana	

		Javascript and React.Js Bootcamp		15/06/2021 to 22/06/2021		
	3	Web development with Javascript and React.Js Bootcamp	ShapeAI	7 days 15/06/2021 to 22/06/2021	Karthika KS	
	4	Web development with Javascript and React.Js Bootcamp	ShapeAI	7 days 15/06/2021 to 22/06/2021	PARVATHY A S	
Talks	1	REDTales	RSET IEDC	January 9,2021	Riya Merin Thomas	
	2	REDTales	RSET IEDC	January 9,2021	Vishnumaya K	
	3	REDTales	RSET IEDC	January 9,2021	Ann Maria John	
	4	REDTales	RSET IEDC	January 9,2021	Abel Simon Zachariah	
	5	REDTales	RSET IEDC	January 9,2021	Abhinav Anil	
	6	REDTales	RSET IEDC	January 9,2021	Abhijith Das	
	7	REDTales	RSET IEDC	January 9,2021	Avani N	
Seminar/Webinar	1	Google Cloud Community Day Event	GDC Cloud	January 22-23,2021	Archana.M	

	2	Introduction to NLP and its Recent Advancements	IEEE RSET SB	21 April 2021	Sherin Jose	
	3	Introduction to NLP and its Recent Advancements	IEEE RSET SB	21 April 2021	Jisha Joseph	
	4	THRIVE:Navigate your entrepreneurial journey	IEDC RSET	13 April 2021	Vishnumaya.K	
	5	THRIVE:Navigate your entrepreneurial journey	IEDC RSET	13 April 2021	Riya Merin Thomas	
	6	THRIVE:Navigate your entrepreneurial journey	IEDC RSET	13 April 2021	VismayaManoharan	
	7	Energy Management Aspects of EV systems	Rajagiri School of Engineering and Technology	07 May 2021	Sharon Joshi	
	8	Energy Management Aspects of EV systems	Rajagiri School of Engineering and Technology	07 May 2021	Neethu Skaria	
	9	MAGIC OF SERVERLESS WITH AUTOMATED DEPLOYMENT	IEDC, RSET	20 May 2021	EMILIN ANTON Y	
	10	Magic of Serverless with Automated Deployment	IEDC, RSET	20 May 2021	Yadul Manoj	
	11	Implementation of GIS Technology in Modern	TEAM 2020 HELPERS	18/06/21	Yadul Manoj	

		Development				
	12	Magic of Serverless with Automated Deployment	RSET IEDC	20/05/21	Yadul Manoj	
	13	ARTIFICIAL INTELLIGENCE	ARROW LEARNING SYSTEM	13/06/21	Nikhil Binoy	
Coding Competitions	1	Reply Code	Reply Challenge	11/03/2021	Manu Krishnan N S Gokul P V Jesbin Joseph Joel Jose	
	2	IEEE CS KS Quiz Competition 3rd position	IEEE Computer Science Kerala Chapter	11/04/2021	Jisha Joseph	
	3	AWS DeepRacer Women's League Top 100 nationwide	Amazon Web Services (AWS)	8th-19th April	Jisha Joseph	

Journal Publications

No.	Name	Name of Journal	Title of Paper	Issue No & Page Nos.	Impact Factor
1	Dr.Varghese S Chooralil	Journal of Information Science and Engineering	Energy efficient sustainable city monitoring using IoT enabled wireless sensor networks and data analytics	37, 413-423 (2021) DOI: 10.6688/JISE.202 103_37(2).0009	0.541
2	Dr. Saritha S	Lecture Notes on Data	Video Enhancement and	Intelligent Data	Cite Score -0.8

		Engineering and Communications Technologies	Low-Resolution Facial Image Reconstruction for Crime Investigation	Communication Technologies and Internet of Things, pp. 773-788. Springer	
3	Dr. Preetha K G Dr. Saritha S	Turkish Journal of Computer and Mathematics Education	A Fuzzy rule- based Abandoned Object Detection using Image Fusion for Intelligent Video Surveillance Systems	Vol.12 No.3(2021), 3694-3702	Cite Score – 0.1

Conference Publications

No.	Name	Conference Details (name, place, organized by, dates)	Title of Paper	Published in	Issue No & Page Nos.
1	Meharban MS	*7th International Conference on Advanced Computing and Communication Systems (ICACCS).*	Introduction to Medical Image Synthesis Using Deep Learning: A Review	IEEE	Vol 1

Text Book/ Chapter in a book Publication

No.	Name	Title (For Chapter in a Book, give both Book Title and Chapter Title)	Name & address of publishing house	Edition	Month & Year of publication	Price & Number of pages (For Chapter in a Book, give both total number of pages in the book, and number of pages in the chapter)
1.	Angela Mathew and Sangeetha Jamal	Chapter Title: Practical Analysis of Representative Models in Classifier: A review Book Title: Advances in Artificial Intelligence and Data Engineering	Springer Nature Singapore Pte Ltd. 2021 N. N. Chiplunkar and T. Fukao (eds.), Advances in Artificial Intelligence and Data Engineering, Advances in Intelligent Systems and Computing 1133,	Volume 1133	September 2020	Price: **228,79 €** Pages :10 pages. PageNos: 517-527. Total Pages: 1475

Projects Sanctioned

No.	Name of Principal Investigator	Title	Project Outlay (Total Amount)	Sponsor/ Funding Agency	Type of Project	Duration of the project	Date of sanction (as per intimation received)	Amount Received
1	PI - Dr. Preetha K G Co PI – Dr. Saritha S	An Interactive, Dynamic and Scalable Ocean Visualization Tool (OCEANVIZIO)	33, 78,032/-	Naval Research Board	Funded Project	3 Years	June 9th 2021	13,49,344/-

Intellectual Property Rights (Patents filed/granted)

No	Name	Title of patent	Patent Application Number	Type of application (National/ International)	Date of granting	Total Amount	Institution's own fund	Sponsorship Grant Fund with name of Sponsor
1	Dr. Dhanya P M	Constructing Morphology of Multi level Intrutionistic Fuzzy Hypergraphs	2020104036	International	10/Feb/2021	10,000/-		

A. STUDENT DETAILS

Conference Publications

No.	Name	Conference Details (name, place, organized by, dates)	Title of Paper	Published in	Issue No & Page Nos.
1	Carol Antony Bestina Pariyath	International Conference on IOT based Control Networks and Intelligent Systems 2020.	Emotion Recognition-Based Mental Healthcare Chat-bots:	Elsevier-SSRN digital library	Journal id: 3762013 Page no: 69-80

	Aswin Sahil Akash R Nair	St. Joseph's College of Engineering and Technology, Kottayam. 10-11, December 2020	A Survey		
2	Amala Menon Aishwarya M S Asna Yusafali AV Ashifa Yusafali AV	TENSYMP 2021: Spring conference of IEEE Region 10 Track: Special session on IT for Smart Healthcare. Conference location: Grand Hyatt Jeju, Republic of Korea, from August 23 to 25, 2021.	Data Visualization and Predictive Analysis for Smart Healthcare: Tool for a Hospital	To be published in IEEE Xplore digital library and Scopus Indexed.	

Achievements in Co-curricular Activities

No	Name of student/team	Event	Organized by	Date	Position	Level		
						State	National	International
1	NEETHU SKARIA	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	
2	ROMIO MATHEW	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	
3	SAGAR PAUL	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	

4	RIJO THOMAS MATHEW	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	
5	ROYAL ALEXANDAR	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	
6	NIHAL JAMES MANOJ	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	
7	VARSHA MARIA BIJU	CAD workshop in fusion 360	IIT Palakkad	Jan 23-24, 2021			yes	
8	PAVAN PRAJITH	Ethical and android hacking workshop	IIT Palakkad	Jan 30-31, 2021			yes	
9	Paul G Tharayil	Cloud Computing Workshop	IIT Palakkad	Jan 23-24, 2021			yes	

B. NEW FACILITIES

No	Name of laboratory	Date of commissioning	Type of lab (Academic/Research)	If Academic, course to which lab is mapped	Total amount spent on lab
1	Zuse	05-02-2021 (Renovation)	Academic	Data Structures, OOPS (S3)	₹9,00,000

C. ASSOCIATION ACTIVITIES/CO/EXTRA CURRICULAR ACTIVITIES ORGANIZED

No	Name of activity	Collaborating agency/unit	Coordinator s	Duration & Date	Number of participants	Winners
1	Idea pitching	RSET -CSI- SB	Dr. Preetha K G & Ms. Tripti C	15/5/21	14	First Prize Evin Joseph and Famous Mohammed P.
2	Introduction to DevOps	RSET -CSI- SB	Dr. Preetha K G & Ms. Tripti C	23/5/2021	33	Secon d Prize- Mr. Josep h Xavier and Ms. Neah Sunny
3.	Insignia ' 21	Cyber blitz	Ms.Seema Safar Ms.Mehb ba P.S	15-05-2021	50	

| 4. | A minute to win | Cyber blitz | Ms.Seema Safar

Ms.Mehbooba P.S | 28-05-2021 | 12 | 1st prize: Haritha Rajeev

2nd prize: Maris Reji

3rd prize: Sha e Geor e |

EDITORIAL BOARD

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