KIT - DIGIBYTES

NEWSLETTER - 2019-2020 (ODD)



Institution Vision

To impart quality technical education emphasizing innovations and research with social and ethical values.

Department Viçion

To produce technically competent and socially responsible Electronics and Communication Engineers to meet industry needs.

Institution Mission

- 1. Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.
- 2. Creating a conducive environment for nurturing innovative ideas and encouraging research skills.
- 3. Inculcating social and ethical values through co-curricular and extra-curricular activities.

Department Mission

- 1. Establishing state-of-the-art facilities in the field of Electronics and Communication Engineering and enriching the knowledge of faculty through continuous improvement process.
- 2. Adopting innovative teaching learning practices and facilitating industry institute partnership for professional development.
- 3. Inculcating ethical and social values through extension activities.

EDITORIAL TEAM

Mr. E. Veera Boopathy, AP/ECE

- K. Anandapadmanaban, IV year ECE A
- S. Vinusha, IV year ECE B
- N. Shanmathi, III Year ECE
- S. Srinivasan, II Year ECE

Department Activities





Workshop on Electronic Product development and Marketing

Workshop on Electronic Product development and Marketing on 5 September 2019. Mr.A.Boobalan, Managing Director, Roboking-Cultivating Future Innovators, Erode, resource person, shared valuable information on electronic product development and solutions to improve branding through marketing. 58 students actively participated in the workshop.



Recent medical systems and devices

Seminar on Recent medical systems and devices on 12 September 2019. Dr. D. Nirmal, Professor, Department of ECE, Karunya Institute of Technology and Sciences, Coimbatore highlighted recent assist devices for health care applications and recent advancements in medical sector. 67 students actively participated in the seminar and benefitted by the program.



Seminar on Industry practices

Seminar on Industry practices on 30 August 2019. The resource person Mr. A. Arunachalam, Project Manager, HCL Private Ltd., Chennai shared few points on ethical issues and rules followed in industry. He has also highlighted the best practices to be followed in institution which will give an impact on industrial environment. 64 students actively attended and got benefitted.





Department Activities



Hands on training "Networks Simulation Protocols using NS2"

Hands on training on Networks Simulation Protocols using NS2 on July 27, 2019. Dr. S. Gopinath, Associate Professor, Department of ECE, Karpagam Institute of Technology shared technical concepts and methods on networks and simulation of ad hoc routing protocols using network simulation tool (NS2). 52 students actively participated in the hands on training.





Workshop on Microstrip Antenna design

Workshop on Microstrip Antenna design on 25 July 2019. Dr. V. Rajeshkumar, Assistant Professor, School of Electrical Engineering, VIT, Vellore, resource person, shared the fundamentals concepts and views on antenna design. 54 students actively participated in the workshop and were benefitted.

Seminar on Low Power VLSI Design

Seminar on Low Power VLSI design on 18 July 2019. Dr. H. Mangalam, Professor, Department of ECE, Sri Ramakrishna Institute of Technology, Coimbatore, resource person, shared the knowledge on low power design and its usage in industrial sector. 59 students actively participated in the seminar.







Journal Publication

S.N o	Name of the Faculty members	Title of the Paper	Name of the Journal	Vol.No., Issue No., page No., DOI No.	Journal Indexe d
1	Dr. W. R. Salem Jeyaseelan, Dr. S. Gopinath, N. A. Natraj, M. Prabhakaran S.Madhusudhanan	Implementation of Weather Detection Band Using IoT	Bioscience Biotechnology Research Communications	2321-4007 Vol. 12 Issue. 6 November 2019 Page No. 161- 165	Web of Science
2	P. David Conqueror, Dr. S. Gopinath, Dr. S. Syed Jamaesha, Prof. N. Dinesh Babu	Design and Implementation of Digital Power Monitoring System using IoT	Journal of Engineering, Computing and Architecture	1934-7197 Vol. 9 Issue. 10 October 2019 Page No. 26-28	Peer Review
3	M.S. Gowtham, Dr.Kamalraj Subramaniam, M.Anandapriya	Semi-Supervised Non-Linear Dimensionality Reduction Technique for Sentiment Analysis Classification	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075 Vol. 8 Issue. 9 July 2019 Page No. 1721- 1725	Scopus
4	M. S. Gowtham, Dr. Kamalraj Subramaniam, M. Anandapriya	Performance of Optimized Data Transmission Mechanism in Air Ad-Hoc Networks	International Journal of Engineering Research and Technology	2278-0181 Vol. 8 Issue. 6 June 2019 Page No. 1-4	Scopus
5	P. Sasikala, Dr. S. Gopinath, G.Premananthan	Deep Learning Based Data Management in IOT Model for Home Power Systems of Solar	Test Engineering and Management	ISSN: 0193-4120 Vol. 83 Issue. March-April 2020 Page No. 6086- 6095	Scopus
6	G. R. Mahendra Babu, Dr. S. Gopinath, E. Arunkumar	A Review on Alzheimer Disease based on Segmentation	Test Engineering and Management	ISSN: 0193-4120 Vol. 83 Issue. March-April 2020 Page No. 2293- 2296	Scopus
7	G. R. Mahendra Babu, S. Gopinath, E. Arunkumar	An Intelligent EOG System using Fractal Features and Neural Networks	Test Engineering and Management	ISSN: 0193-4120 Vol. 83 Issue. March-April 2020 Page No. 9920- 9925	Scopus



Journal Publication

S.N o	Name of the Faculty members	Title of the Paper	Name of the Journal	Vol.No., Issue No., page No., DOI No.	Journ al Index ed
8	R. Sangeetha, T. G. Ramabharathi	Modeling of Intelligent Mechanical System for Detection and Mitigation of Air Pollution using IIOT Sensor	Test Engineering and Management	ISSN: 0193- 4120 Vol. 83 Issue. March-April 2020 Page No. 6140- 6146	Scopus
9	J. Shafiq Mansoor, T. G. Ramabharathi	loT based Smart Manhole Coverage system for Urban Areas	Test Engineering and Management	ISSN: 0193- 4120 Vol. 83 Issue. March-April 2020 Page No. 2306- 2309	Scopus
10	J. Shafiq Mansoor, T.G.Ramabharathi, Devipriya N	Eye Movement Classification System using Spectral Features and Neural Networks	Test Engineering and Management	ISSN: 0193- 4120 Vol. 83 Issue. March-April 2020 Page No. 9936- 9941	Scopus
11	Dr. S. Gopinath, Dr. N. Suma	Fuzzy enhanced Cluster based Energy Efficient Multicast Protocol for Increasing Network Lifetime in WSN	Journal of Scientific & Industrial Research	ISSN :0975- 1084 Vol. 79 Issue. February 2020 Page No. 99- 102	SCI
12	Dr. S. Gopinath, Dr. D. Bhanu T. Yawanikha	Certain Investigation On Energy Based Fuzzy Enhanced Multicast Routing In WSN	International Journal of Scientific & Technology Research	SSN:2277-8616 Vol. 9 Issue. 1 January 2020 Page No. 2994- 2998	Scopus
13	Ms.A.Mahalakshmi, C. Kalpana, E. Saranya, M. Sudha & Dr. S. Gopinath	An Efficient Energy Based Data Gathering Scheme For Increasing Network Lifetime In WSN	International Journal of Scientific & Technology Research	ISSN 2277-8616 Vol. 9 Issue. 1 January 2020 Page No. 1896- 1900	Scopus
14	Dr.S. Gopinath, Dr. N. Suresh Kumar, Prof. S. Madhumitha, Dr.N.A Natraj	TSRP: A Trust Based Secure Routing Protocol for Authentication and Load Balancing in MANET	International Journal of Advanced Science and Technology	ISSN: 2005- 4238 Vol. 29 Issue. 1 January 2020 Page No. 486- 493	Scopus



Patent Publication

S.No	Name of the Faculty/ Student	Title of the Patent	Patent File No.	Publication Date
1	Dr. S. Gopinath & Mr. K. Anandapadmanaban	Smart Glucometer	201941023467	21.06.2019
2	Dr. S. Gopinath & Mr. K. Anandapadmanaban	Kali Maker	201941030491	09.08.2019

Book Publication

S.No.	Name of the Faculty	Title of the Book	Name of the Publisher	Year	ISBN
1.	Dr. S. Gopinath	Digital Communication	Charulatha Publications	2019	9789389051407

Ph.D. Completed Status

S.No	Name of the Faculty	Year of Award/Date	Title of theThesis	University
1	Dr. S. Syed Jamaesha	2019/12.08.2019	Improved Location Aware routing Security Protocol to Improve the Performance of Metrics	Karpagam Academy of Higher Education, Coimbatore

NITTTR Programmes Organized

S. No.	No. of Faculty members Participated	Title of the Programme	Date	Organizing Institution
1	15	Blue Ocean Strategy- Concepts, Principles and Application	15.07.2019 to 19.07.2019	NITTTR Chandigarh
2	22	Research Oriented Project Work	05.08.2019 to 09.08.2019	NITTTR Chandigarh
3	14	Next Generation Communication	19. 08.2019 to 23.08.2019	NITTTR Chandigarh



Awards, Recognition, Journal & Conference Reviewer, Editor, MOUs Signed etc

SI. No.	Name of the Faculty	Date	Activity	Awarding Institution / Organization / Journal
1	Dr. S. Gopinath	30.09.2019	Preeminent Researcher Award	International Institute of Organized Research I2OR-2019
2	Dr. S. Syed Jamaesha	10.10.2019	Distinguished Young Researcher Award	Green Thinkerz
3	Dr. S. Gopinath	03.10.2019	Reviewer	Defence Science Journal
4	Dr. S. Gopinath	01.07.2019	Reviewer	International Journal of Engineering Research & Technology (IJERT)

Seminars / Workshops / Summer / Winter Schools/ Training Programmes

S. No.	Name of the Faculty	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Place
1.	Ms. S. Madhumitha	FDP on Technical applications for managing solid wastes from Industries and Educational Institutions for bio energy generation	15.09.2019 to 28.09.2019	Karpagam College of Engineering, Coimbatore
2.	Ms. S. Madhumitha	Journal Writing, IPR and Patent Drafting	13.12.2019	Karpagam College of Engineering, Coimbatore
		FDP on Analog and Digital Design Using Cadence EDA tools	31.07.2019 to 01.08.2019	Karpagam Academy of Higher Education, Coimbatore
3.	Mr. E. Veeraboopathy	FDP on Innovation and Entrepreneurship Development	16.07.2019 to 18.07.2019	Anna University Regional Campus, Coimbatore
		AICTE Sponsored Six Days FDP on 'EC8651-Transmission Lines & RF Systems	02.12.2019 to 07.12.2019	PSGi Tech, Coimbatore
4.	Dr. M. S. Gowtham	Data Analytics in Biomedical Engineering	14.12.2019 to 19.12.2019	-



Seminars / Workshops / Summer / Winter Schools/ Training Programmes

S. No.	Name of the Faculty	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Place
		Faculty Development Programme on Sensors and Actuators	July to October 2019	NPTEL, IIT Bombay
E	Mr. A. G.	Short Term Course on Blue Ocean Strategy-Concept, Principles and Application	15.07.2019 to 19.07.2019	-
5.	Paranthaman	Short Term Course on Research Oriented Project Work	05.08.2019 to 09.08.2019	-
		Short Term Course on Next Generation Communication	19.08.2019 to 23.08.2019	-
6.	6. Ms. R. Ramya	Workshop on Robotics and its Real Time Application using LEGO mindstrom EV3	11.10.2019	Sri Ramakrishna Engineering College, Coimbatore
		Faculty Development Programme on Microelectronics: Devices to Circuits	July to October 2019	NPTEL, IIT Bombay
7.	Dr. S. Gopinath	Workshop on Robotics and its Real Time Application using LEGO mindstrom EV3	11.10.2019	Sri Ramakrishna Engineering College, Coimbatore

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Journal Publication

S.No	Name of the Student	Title of the Paper	Name of the Journal	Volume No, Month/ Year, Page Nos.	Indexed by Thompson/ Scopus etc.
1	P. David Conqueror	Design and Implementation of Digital Power Monitoring System using IoT	Journal of Engineering, Computing and Architecture	Vol.9, Issue 10, 2019, pp.26-28.	UGC

Seminars / Workshops / Summer / Winter Schools/ Training Programmes attended

S. No.	Name of the Student	Title of the Conference /Symposium Seminar / Workshop / FDP/ STTP Attended	Date	Place
1	Ranjith. J, Venkateshprasath P, Vishnu M and Arun V	Two days workshop on recent trends in digital SCENT technology	01.08.2019 to 02.08.2019	KGISL Institute of Technology, Coimbatore
2	David Conqueror.P, Kowsik.R, Sreenivasan.S, Pruthviraj.N, Harish.R	Seminar on VLSI	23.09.2019	Sri Ramakrishna Engineering College, Coimbatore
3	David Conqueror.P, Kowsik.R, Pruthviraj.N	Hands on Training on Robotics	11.10.2019	Sri Ramakrishna Engineering College, Coimbatore
4	David Conqueror.P, Janani G.M, Karthinee N.K, Kousik.R, Vibisha Muthu Sri.V, Pruthviraj.N, Sreenivasan.S	The National Science and Technology Fair 2019	29.08.2019 to 31.08.2019	Codissia, Coimbatore
5	S.Abhishek	Student Solar Ambassadors Workshop	02.10.2019	Karpagam Institute of Technology, Coimbatore
6	S.Sudharshan	Anna University Zonal Athletic Meet	10.10.2019- 12.10.2019	Kongunadu College of Engineering and Technology
7	T.Vinitha	Anna University Zonal Athletic Meet	10.10.2019- 12.10.2019	Kongunadu College of Engineering and Technology

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Seminars / Workshops / Summer / Winter Schools/ Training Programmes attended

S. No.	Name of the Student	Title of the Conference /Symposium Seminar / Workshop / FDP/ STTP Attended	Date	Place
8.	P.David Conqueror,S.Keerthivasan, M.Manish Kumar, N.Pruthviraj, M.Sangaiya, D.Sakthi Saravanan	Seminar on Recent Trends in Future 5G Technology	10.12.2019- 12.12.2019	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
9.	Aathira A R	Technical Festival :Paper Presentation	27.9.2019	CMR Institute of Technology
10.	Abarna S	Technical Festival :Paper Presentation	27.9.2019	CMR Institute of Technology
11.	Vellai Durai K	Technical Festival :Paper Presentation	27.9.2019	CMR Institute of Technology
12.	Nithya Veena S	Technical Festival :Paper Presentation	27.9.2019	CMR Institute of Technology
13.	Nitha Chandran	Technical Festival :Paper Presentation	27.9.2019	CMR Institute of Technology
14.	Lavanya R	Project Exhibition	27.9.2019	CMR Institute of Technology
15.	Madhumitha S	Project Exhibition	27.9.2019	CMR Institute of Technology
16.	Sebavincy J	Project Exhibition	27.9.2019	CMR Institute of Technology
17	Kousick R	Project Exhibition	27.9.2019	CMR Institute of Technology
18.	Ravaniga R S	Robot Soccer Game Competition	27.9.2019	CMR Institute of Technology
19.	Geetha P	Robot Soccer Game Competition	27.9.2019	CMR Institute of Technology
20.	Janani G M	Robot Soccer Game Competition	27.9.2019	CMR Institute of Technology
21.	Kowshik B	Robot Soccer Game Competition	27.9.2019	CMR Institute of Technology

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