RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalgodu, Mysore Road, Bangalore - 560074

SAMPARKAVANI
Department of Electronics & Communication Engineering

Dear Readers,
Season's Greetings from Department of Electronics & Communication. The New Year starts with new hopes, new aspirations and new promises. We are glad to come up with the third annual issue of newsletter. In this issue you will find an overview of activities and events that were delivered this year. We have tried to capture the efforts put in by the ECE department to make the whole teaching learning process more interesting and effective. We will continue the to work on interesting concepts make it an ultimate resource of information.

Do check out the photo gallery which has photographs of all the achievers and toppers during the academic year 2019-20(ODD SEM).

Editors notes

We are happy to announce that News Letter "Samparkavani" for the Academic Year 2019-20 (ODD Semester) is released. We hope that every activity for the period 2019-20 is reflected well in the News Letter.

We thank the Principal, RRCE, Faculty, Staff and student for their effort and co-operation.

Editorial Board

♦ **Dr. Rangaiah L, Professor & head   Dept of ECE,RRCE**

♦ **Namitha S, Assistant Professor, Dept of ECE,RRCE**

Faculty Members:

Dr. Rangaiah L

Dr.Muruganandham

Dr.S.M.Vijaya

Dr.Bhuvaneswari

Dr.Shipra

Dr.R.Gangadhar Reddy

Dr.Sumitha Manoj

Dr.Sobya Devraj

Prof V. Sreepathi

Prof Sunitha. R

Prof Lokesha. K

Prof Vani. S. Badiger

Prof Santhosh . G

Prof Santosh Chavan

Prof Chaithanya. S

Prof Ajay M

Prof Jyothi A P

Prof Suresh M

Prof Haritha K S

Prof Deepika J

Prof Pushpa M J

Prof Namitha S

Prof Abhilasha

Prof Ojaswini

Prof Meghana

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Dr. BALAKRISHNA R

It is happy and proud to showcase the achievements of ECE, especially Learning & achievements grow is an environment that nurtures it and RajaRajeswari College of   Engineering has taken great part to ensure that students lack for nothing and likelihood of achieving this is strengthened by the fact that we offer an academic program that includes breadth and depth, is rigorous, and which can be tailored to individual needs.

RRCE has strived to be unique by encouraging research on campus as a means to take classroom teaching-learning to new heights. Every laboratory doubles up as a research centre/ project arena where staff and students vie with each other to create new designs, working models, test new concepts. Student chapters of various associations compete with each other to organize the most challenging, innovative and popular event.

Message From HOD'S Desk
Dr. L. RANGAIAH

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It gives me immense happiness to present the sixth annual newsletter of the department for ODD sem of the year 2019-20.The department has witnessed a number of academic and professional activities during the year 2019-20. I take this opportunity to express my sincere thanks to the management RRCE, for continued support and encouragement. I appreciate and thank all my colleagues for their cooperation and devotion .

EXPERT TALK ON "BIG DATA AND JOB OPPURTUNITIES - 24th AUGUST 2019 ''

EXPERT TALK ON "ELECTRONICS DEVICES AND APPLICATIONS - 24th AUGUST 2019"

EXPERT TALK ON "MISSILE CONTROL SYSTEM - 27th AUGUST 2019"

EXPERT TALK ON " IOT AND EMBEDDED SYSTEM - 18th OCTOBER 2019 "

EXPERT TALK ON "ELECTRONICS AND SOLAR CELL APPLICATIONS FOR SATELLITE-12th NOVEMBER 2019 "

INDUSTRIAL VISIT TO "DIFACTO ROBOTICS AND AUTOMATION PVT.LTD BANGALORE -23rd & 24th SEPTEMBER 2019"

INDUSTRIAL VISIT TO "GOVT. TOOLS AND TRAINING CENTRE (GTTC) -23rd SEPTEMBER 2019"

" IDEA CLUB INAUGURATION -11th OCTOBER 2019 "

RAJARAJESWARI COLLEGE OF ENGINEERING

14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560 074. Karnataka

Department of Electronics & Communication Engineering

NEWS LETTER

SAMPARKA VANI

Sri. A. C. Shanmugam
B.A. L.L.B, FIMSA, FRCPS
(Glasgow, U.K)
Chairman, RRGI

Sri. A.C.S.Arunkumar
B.Tech (Hons), LMISTE,MIET.,
(UK).,LMCSI.,
Vice-Chairman RRGI
.

Dr. T. Chandrashekar
Prinicipal, R.R.C.E.

Dr. Rangaiah L
Professor and Head,
Department of ECE, R.R.C.E.

Editors note

Welcome to The Core, (Academic Year 2019-20 EVEN Semester) News Letter SamparkaVani about the life of the Department Electronics And Communication Engineering at Rajarajeswari College of Engineering. We are Thankful to the management , Rector and Principal for their continuous Motivation, Encouragement and Support for the release of this "NEWS LETTER"- "SAMPARKAVANI". I hope you enjoy every stop on this tour of our department, We welcome your feedback and will see you again with a new issue.

Editorial Board

Dr. Rangaiah L
Professor and Head
Department of ECE

Prof. Chaithanya S
Assistant Professor
Department of ECE

ABOUT DEPARTMENT

Department of Electronics & Communication was started in the year 2006-07 with a sanctioned intake of 60 students. It has been raised to 120 in the year 2013-14. Which is affiliated to VTU and approved by All India Council for Technical Education (AICTE) . The Department is headed by Dr. Rangaiah L, who has around 20 years of experience in Teaching and research.

Department has 26 Well qualified, committed and experienced Faculty members with an average experience of 10 years and has Excellent infrastructure with well-equipped and sufficient laboratories and library facility. Lecture halls and Seminar halls are available for the usage of Lecture/NPTEL Videos/Demos.

ECE Department has Centre of Excellence in Wireless Sensor Networks and Product Design. It is Recognized as Research center by VTU, Belagavi, 17 scholars from Industry and academia are currently pursuing PhD/MSc(Engg). Department is rich enough to organize and encourage Students, teaching & non-teaching staffs by conducting various events like workshops, Technical seminars, expert lectures, FDPs, industry visits and etc. Students are encouraged to do innovative and product based projects related to advance technologies and encouraged to publish papers in the International & National conference and journals. We have adopted integrated teaching-learning practices. Students are counseled according to the industry & academics requirement, encouraged to have hands on exposure. Students are given guidance for higher studies and soft skill training for placements in good companies.

Mission

To emerge as a centre of excellence in the field of Electronics & Communication Engineering, the graduates able to produce innovative solutions to the needs of the society, cognizant to the universal moral values, and adherent to the professional ethics.

Vision

Our aim is to provide a program of high quality to produce creative technocrats and also establish an excellent R & D Centre to pursue research in the frontier areas of Electronics and Communication Engineering.

Program Educational Objectives

PEO1-Skill and Knowledge

To impart students with a strong background in the basic science, mathematics and electronics and communication engineering fundamentals required for solving engineering problems.

PEO 2 -Lifelong learning

To train students with good scientific and engineering breadth so as to comprehend, analyze, design, and provide technical solutions for the real-life problems.

PEO 3- Attitudes

Exercise excellent leadership qualities to address issues in a responsible, ethical, and innovative manner with continuous learning and broader societal context.

Program Specific Outcomes

PSO1

Understand the principles of Electronics and Communication Engineering and enrich knowledge in recent advancements and developments in Electronics and Communication Technology.

PSO2

Competent in programming and computing skills, ability to apply software development methodologies and modelling to solve real world problems in the field of Electronics and Communication Technology.

EXPERT TALKS
SHARING IDEAS

Expert talk's
on
"Importance of Free and Open Source Software"

Department conducted an expert talk on 14th February 2020. Dr. Prathap Reddy L, Chairman ,ESwecha ,JNTUH Hyderabad and Mr.Naveen, Secretary, Free Software Moment of Karnataka To bring industry and Academia closer and to explore curriculum as per the need of industry

"How to Crack an Interview for Core companies"

Department conducted an expert talk on 20h February 2020. Mr.G.Prashanth Reddy Team lead, Intel India, Bangalore How to Crack an Interview for Core companies

DEPARTMENT EVENTS

Webinar Series on
CURRENT ENGINEERING TECHNOLOGIES

WEEK 1: Date:16-05-2020 [10AM]

| Mr. Sankeerth | Ms. Gnana | Ms. Bindu. R | Ms. Apoorva. |
| Dunzo, Budding Entrepreneur, Bangalore | Manjari DXC Technology, Bangalore | Gemni Electro Corporation, Bangalore | B.S Panasonic Automotive system, Germany |

WEEK 2: Date:23-05-2020 [10AM]

| Mr. Manjunath | Ms. Harshitha | Ms. Deekshitha | Mr. Kantharaj J |
| Wipro, Bangalore | Diwakar Mphasis Ltd, Bangalore | Tata Elxsi, Bangalore | ESPN, The Walt Disney, Bangalore |

To expertise our students in different areas The department has conducted a series of webinar by our esteemed Alumni on 16th and 23rd May 2020

- Mr. Sankeerth B G, try to enlighten the students with basic soft skills, different types of communication skills.
- Ms. Gnana Manjari speak about better understanding of time management, critical thinking and problem solving. She also explains the layers of storage, components of storage, net application supporting system of SAP servers.
- Ms.Bindu R provide the basic knowledge on PCB, types of PCB, and PCB schematic structure
- Ms.Apoorva .P notify the various job opportunities in the field of automotive, medical, semiconductor, aerospace, telecom industries
- Mr. Manjunath gives Basics of data science and applications of data science in various fields
- Ms. Deeshitha.B provides a better understanding of artificial intelligence , in medical applications an other fields
- Ms.Harshithaa Diwakara explains the layers of storage, components of storage, net application supporting system of SAP servers
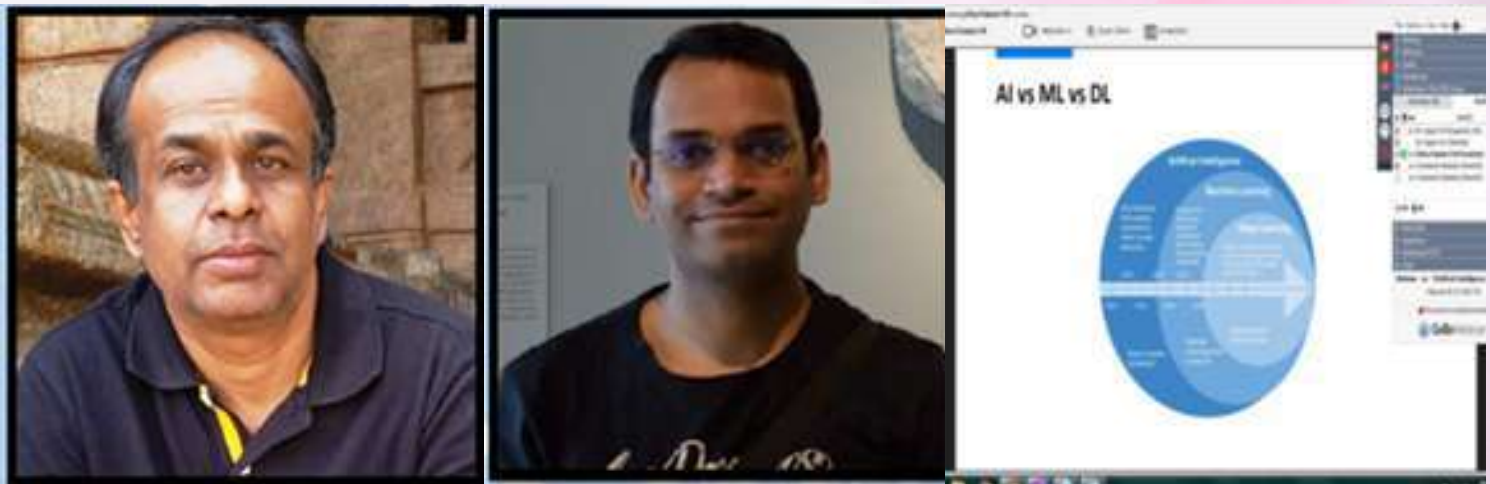- Mr.Kantharaj gives an idea on automation and testing PCB structure

WEBINAR

Webinar on "VLSI – Standard Cell Design"

A Webinar on "VLSI – Standard Cell Design" is organized by the department on 24th may 2020. The resource person Mr.G.Prashanth Reddy educate our students on the basic VLSI Standard Cell Design & Issues related as per the need of industry

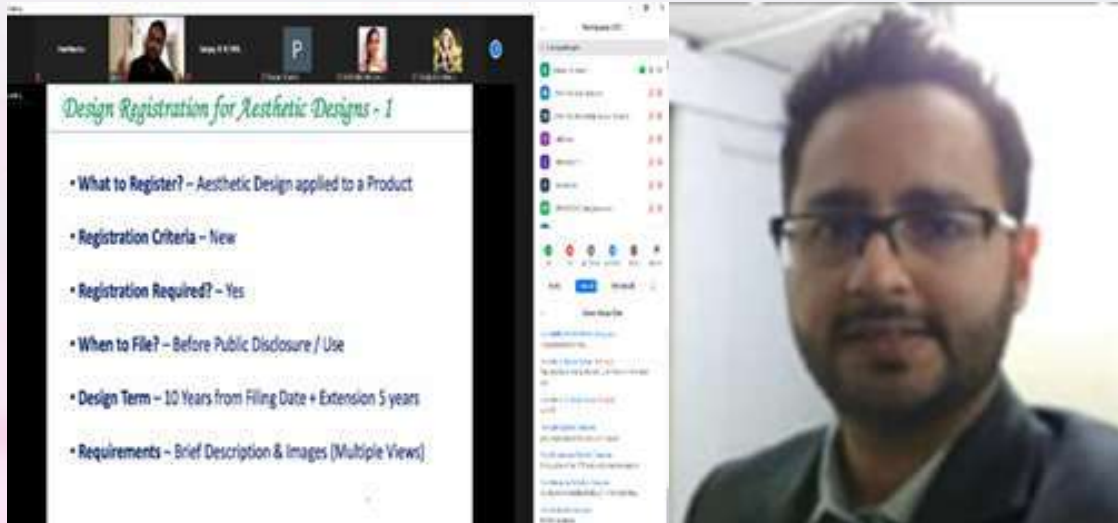## "Artificial Intelligence101: Fundamental Concepts & Opportunities"

AI vs ML vs DL

To explore curriculum as per the need of industry, department conducted webinar on Artificial Intelligence 101: Fundamental Concepts and Opportunities on 29th may 2020 our Highly knowledgeable resource persons Mr. Shiva Prakash S M, Lead Architect, Micro Focus, Bengaluru ans Venkatesh Ramteke, Architect, Micro Focus, Bengaluru gives a brief idea about Artificial Intelligence, Machine Learning and Deep Learning, Practical applications of AI in day to day activities, Examples of AI implementation in real world scenarios Creation and applications of AI

DEPARTMENT EVENTS

Webinar on "Intellectual Property Rights & Patent Filing"

Mr. Ankur Sehgal, Patent Attorney, Khurana & Khurana IP Attorneys present an interesting webinar on Intellectual Property Rights on 20thJune 2020. He creates awareness on need and importance of IPR among the Faculty and Student Community. Explore the Indian Scenario of Intellectual Property Right System, Patents, Copy Rights, Trademarks. And also explains the procedures to be followed for filing Patent Application.

Webinar on "How to Find a Job and Survive Life"

By our esteemed alumni Mr. Chandan Deshmukh , SAP Basis Engineer, ABB, Bengaluru deliver a webinar on How to find job and survive life on 2nd July 2020 he presents Three ways to find dreamed jobs based on childhood experience and the culture and balancing personal life.

Webinar on "Exploring the data driven world"

By our esteemed alumnus Mr. Manjunatha B, Advisor, Data Scientist, Dell, Bangalore deliver a webinar on Exploring the Data Driven World, on 16th July 2020 he presents the basic python learning, data preprocessing, basic and advanced machine learning algorithms , deep learning algorithm.

FACULTY ACHIEVEMENTS
PATENTS

Patents published by the faculty

- Dr. Rangaiah L, Dr. VVKDV Prasad, Dr. Shaik Mahaboob Basha, Mr. Rohith Bala Jaswanth B, B. Vamsy Krishna "An Intelligent Accident Avoidance using Satellite Based Positioning System". Registration Number 202041028920 on 7th July 2020.
- Gadila Prashanth Reddy, Dr. Rangaiah L, Dr. K madhavi, Praneel Kumar & Dr. R. Balakrishna, "An Apparatus for Detection of Gas Leakage". India Patent number 201941003789.

- Dr. R Gangadhar Reddy Published patent on 31 January 2020 with patent ID: 202041002371with title "System for Remote Monitoring of Hazardous & Flammable Substances in Chemistry Industry Using IoT Sensors".

- Dr. Bhuvaneswari P., Dr. S Usha, Dr. J Amutharaj, Dr. Kamalraj, Dr. Sheba, Dr. Janaki Published a patent on14 February 2020 with title "Cryptographic security of data transfers in computer systems

BOOK CHAPTERS

- Dr. Sumitha Manoj, "Image Registration Techniques using Mutual Information", LapLambert Academic Publishing, Published on 14 April 2020. ISBN: 978-620-2-52510-7

- Prof. Jyothi A P, EPCA: Energy Preservation using Clustering Approximation in Sensor Network, Springer book "Emerging Research in Computing, Information, Communication and Applications", DOI: https://doi.org/10.1007/978-981-10-4741-1_47, Print ISBN978-981-10-4740-4, Online ISBN978-981-10-4741-1, Chapter 47, Edition number 1,publisher : Springer Singapore, pp. 547-557, 2017

SPONSORSHIPS
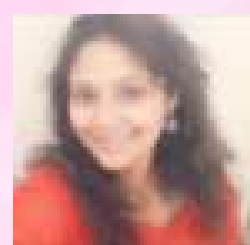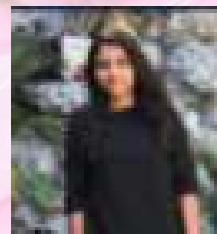
ECE – KSCST (Student Project) 2019-2020

Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore (Government of Karnataka) sponsored Final Year Projects at RRCE ECE dept for the Academic Year 2019-2020, under Students Project Proposal-SPP: 43rd Series.

1. Prof. Deepika J and along with her students Prakas Hegde, Vipin Padman, Nehith N had received Rs. 4000 research fund towards a project "Infusion pump with nebulizer unit for health care" by Karnataka State Council for Science and Technology on 3rd March 2020

2. Dr. Shipra Upadhyay and along with her students, Mittajita Manasa, Praveen sagar S R, Md. Sanaulla Khan, and Pavithra T M had received RS. 5500 research fund towards a project "Human life detection rescue BOT" by Karnataka State Council for Science and Technology on 3rd March 2020

3. Prof. M. Suresh and along with his students Chandana PG, Navya Shree K, Sindu S, Thanushree P, has received Rs. 6000 research fund towards a project "Efficient eye blink detection method for disabled" by Karnataka State Council for Science and Technology on 3rd March 2020

SPONSORSHIPS

Financial Assistance for Innovative Projects of Final Year Under Graduate Students for the year 2019-20 by Visvesvaraya Technological University, Belgaum.

1. Dr. S M Vijaya along with her students Chandan H, Kavana H K, Meghana M, Gunashree B R had received Rs. 6000 research fund towards on a project "Breast Cancer Detection Using Deep Learning Algorithm ".

2. Dr.R Gangadhar Reddy along with her students Sharmila Bai B, Sharmila G, Sneha L had received Rs. 6000 research fund towards on a project "Designing a Device for Entire Body Posture and Eye Blink Analysis, Temperature and Heart Beat Assessment ".

3. Prof. Chaithanya S along with her students Lohith C, Mahima S, Rani B P, Effseebha J had received Rs. 6000 research fund towards on a project "Designing an Automated System for Identification and Reckoning of Livestock and Price or Health Presiction using Machine Learning"

4. Prof. Haritha K Shivaraman along with her students Varaprasad, Namratha N and Manjushree N had received Rs. 6000 research fund towards on a project "Smart Village as model for Swacch Bharat Abhiyan".

INDUSTRY CONSULTANCY

List of Faculty who has consultancy with the industry for technology transformation

1. Dr. L. Rangaiah is consultant with the company Apsis Solutions Pvt Ltd. Bengaluru and Shreekrish is consultant with Innovations R& D Lab

2. Dr. S. M. Vijaya is consultant with ITK Innovation Lab, Bengaluru

3. Dr. P.Bhuvaneswari is consultant with X-ciencia Technologies Pvt Ltd, Bengaluru

4. Prof. V. Sreepathi is consultant with Badami Labs, Bengaluru

5. Prof. Sunitha. R is consultant with Microlab instruments, Bengaluru

MOU

- MOU with APSIS solution, A-square BCCHS layout, sir, M. Visvesvaraya square, Kanakapura main road, Bengaluru
- MOU with APSIS solution, A-square BCCHS layout, sir, M. Visvesvaraya square, Kanakapura main road, Bengaluru,
- MOU with Chokmah Technologies Pvt. Ltd. Bunde Mutt Layout, Bengaluru,
- MOU with X-Ciencia Technologies India Pvt. Ltd., Vijaya Nagar, Nabgaluru,
- MOU with UC Berkeley- IAG & FICE education provate limited, Bengaluru,
- MOU with ATS Info Tech Pvt. Ltd. A Microsoft Authorised Education Patner, New Delhi,
- MOU with APSIS solution, A-square BCCHS layout, sir, M. Visvesvaraya square, Kanakapura main road, Bengaluru,
- MOU with Shreekrish innovations R & D lab, No. 2, 12th cross, 1 st main, K S Town , Bengaluru,
- MOU with ARP & VGSI, Eluru, Andhra Pradesh,
- MOU with Technical Instruments, no. 10/8, 3rd cross, Banaswadi Main road, Bengaluru, Karnataka,
- MOU with Dr. Ganesh Naik, University fTechnology, Sydney, Austrlia,
- MOU with Saakshin Technology Pvt. Ltd, Bangaluru,
- MOUwith Gemini Elctro corporation, Bengaluru, Karnataka,
- MOU with Winglobal Tek, J P Nagar, Bangaluru,
- MOU with Institute for research and Development, Bhubaneswar, Odisha, India,
- MOU with Karnataka hybrid micro devices Ltd. Bangalore, Karnataka, India,

WORKSHOPS ATTENDED BY OUR FACULTIES

• Dr. Rangaiah L attend a workshop on "Knowledge sharing session on recent trends and its application in electronics" organised by St. Martin's engineering college, Hyderabad on 3 – 7 May 2020

• All ECE department staff attended TEQIP 1. 3 Sponsored Five Day Training Program On "Outcome Based Education (OBE) And NBA Accreditation" at Rajarajeswari College of Engineering, on 20-24 January 2020

• Dr.Sumitha Manoj attented 2 Days Technical Workshop on Machine Learning and practical Implementation on Jupyter on April 30,2020 to may 01,2020

• Sunitha.R, attended a workshop on "CISCO Routing & Switching" from 1/04/2020 to 15/04/2020

• Dr. A. Muruganandham attended a Workshop ""Faculty awareness programme on outcome based education and NBA   accreditation". Sinhgad Technical Education society, pune, May 2020

• Pro. M. Suresh, attended a Workshop on "satellite and automation by GSSSIETW" during 11-13 May 2020

• Prof. Jyothi A P attended a course on "CISCO Routing & Switching" organised by Nawin gurukula on 1 – 15 April 2020

• Pro. M. Suresh, attended a Workshop on "satellite and automation by GSSSIETW" during 11-13 May 2020

FACULTY PUBLICATIONS

PUBLICATIONS

- T. Manikandan, V. Nandalal, S. Joshua Kumaresan, J.L. Mazher Iqbal and A. Muruganandham "Synthesis and Characterisation of Magnetic Nanoparticles for Lung Cancer Detection and Therapy" International Journal of Psychosocial Rehabilitation, ISSN: 1475-7192, Vol. 24, Issue 05, 2730-2740pp, Mar 2020 , DOI : 10.37200/IJPR/V24I5/PR201976 (Q4, Scopus Index) https://www.scimagojr.com/journalsearch.php?q=17700156008&tip=sid&clean=0

- T. Manikandan*, J.L. Mazher Iqbal, V. Nandalal, A. Muruganandham and S. Joshua Kumaresan, "An Automated Computer-aided Diagnosis System for Malignant Tumor Localization from Lung CT Images for Surgical Planning" International Journal of Psychosocial Rehabilitation, ISSN: 1475-7192, Vol. 24, Issue 05, 2724-2729pp, Mar 2020 DOI : 10.37200/IJPR/V24I5/PR201976 (Q4, Scopus Index) https://www.scimagojr.com/journalsearch.php?q=17700156008&tip=sid&clean=0

- Shobana Priya M S, Manikandan T, Joshua Kumaresan S, Satheesh Kumar S, Muruganandham A "Implementation of Low Power and Area Efficient Vedic Multiplier" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1S, , pp: 206-209, November 2019 DOI: 10.35940/ijitee.A1042.1191S1 (Q4, Scopus Index) https://www.scimagojr.com/journalsearch.php?q=21100889409&tip=sid&clean=0

- Joshua Kumaresan S, Nethaji Subash Chandra R, Manikandan T, Priyanka R, Muruganandham.A " IoT based Fragrance Tester" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1S, pp: 283-286, November 2019 Doi : 10.35940/ijitee.A1043.1191S19 (Q4, Scopus Index) https://www.scimagojr.com/journalsearch.php?q=21100889409&tip=sid&clean=0

- ¨Priyanka.R, Manikandan.T, Joshua Kumaresan. S, Muruganandham. A, Karthik.S "Miniaturized Microstrip Patch Antenna for Microwave Imaging Application". International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1S, pp: 214-217, November 2019 DOI: 10.35940/ijitee.A1044.1191S19(Q4,Scopus Index) https://www.scimagojr.com/journalsearch.php?q=21100889409&tip=sid&clean=0

- D.Sobya, "Enhancement of Production Rate and Flexibility in an Assembly line by Execution of Various Lean Techniques-A Case Study", International Journal of Engineering and Research in Africa, Vol. (51), 2020, pp 15-27doi:10.4028/www.scientific.net/JERA.51.15 (Web of Science & Scopus Q2 H-Index-21)

- D.Sobya and P.S. Chakraborty, "Study on Effective Inventory Management by Determining the Appropriate Safety Stock in an Automobile ManufacturingIndustry", SSRG International Journal of Mechanical Engineering, Vol.7(7),2020 http://doi:10.14445/23488360/IJME-V7I7P102

FACULTY PUBLICATIONS

- D. Sobya, "Prediction and exposure of cancer cells through Walsh hadamard transform and MATLAB R2017a techniques", Materials Today: Proceedings, Vol37(2020), PP 556-564 https://doi.org/10.1016/j.matpr.2020.05.588 (Elsevier-Scopus Q3 H-Index 27)

- ¨ Dr.Sumitha Manoj, "Prediction and Identification of Cancer and Normal Genes through Wavelet Transform Technique", Indian Journal of Public Health Research and Development, Vol. 10(8), 2019, pp. 631-637 DOI Number: 10.5958/0976-5506.2019.01957.0 (Scopus with Q4)

- ¨ Dr. Sumitha Manoj, AUTOMATIC ACCIDENT DETECTION AND RESCUE SYSTEM doi: 10.31838/jcr.07.14.378 Journal of Critical Reviews JCR. 2020; 7(14): 1844-1849

- ¨ Dr. Sumitha Manoj. "HAZE REMOVAL SYSTEM USING IMAGE PROCESSING "doi: 10.31838/jcr.07.14.381JCR. 2020; 7(14): 1861

- Mrs.Vani S Badiger, Dr.Ganashree T.S "Energy Efficient New Data Aggregation Method for IOT" International Journal of Advanced Science and Technology, Vol. 29, No. 6, (2020), pp. 7683 – 7694, ISSN: 2207-6360,July 29, 2020

- A. M Prasanna Kumar and Vijaya S M "Noise Cancellation Employing Adaptive Digital Filters for Mobile Applications" Indonesian Journal of Electrical Engineering and Informatics (IJEEI) ISSN:2089-3272 , volume 8 issu1 March-2020

- Haritha K Sivaraman, "Smart village as a model for Swacch Bharat based on Embedded IoT", SamBodhi(UGC Care Journal), Vol. 43, Issue. 3, Pp.21-23, Nov-Dec 2020, ISSN: 2249-6661

- Haritha K Sivaraman, "A Survey of Cross-Layer based Network Lifetime Maximization Techniques in Wireless Sensor Networks",International Journal vof Advanced Science and Technology(IJAST), Vol.29, Issue.4, pp.289-294, Feb-2020

- Deepika J, "Parametrical Comparison in Routing protocols of Mobile AdHoc NetworkWaffen-Und Kostumkunde Journal", Vol.11, Issue.6, Jun-2020,ISSN:0042-9945

- Sunita R et.al,."Diagnosis Of ADHD Syndrome By Comparitive Analysis Of Eeg Signals Of Brain" JOURNAL OF CRITICAL REVIEWS ISSN- 2394-5125 VOL 7, ISSUE 14, July 2020

- Chaithanya S., Anitha V. (2020) Comprehensive Study of Existing Stream Ciphers. In: Smys S., Bestak R., Rocha Á. (eds) Inventive Computation Technologies. ICICIT 2019. Lecture Notes in Networks and Systems, vol 98. Springer, Cham. https://doi.org/10.1007/978-3-030-33846-6_41

FACULTY DEVELOPMENT PROGRAMME

- Dr. Rangaiah L Participated in Five Day FDP on "Contemporary Research Trends in Electronics and Communications, and Computer Science" 6th to 10th July, 2020 organized by Dept. of ECE, VTU Centre for Postgraduate Studies, Kalaburagi in association with IETE
- Dr. Rangaiah L Participated in Five Day FDP on "Online ICT Tools For Effective Teaching Learning" 30th to 4th July, 2020 organized by Priyadarshini Institute of Science and Technology for Women, Telangana.
- Dr. Rangaiah L Participated in Five Day FDP on "Data Science using Python" 18th to 22nd May, 2020 organized by Reva University, Bengaluru.
- Dr. Rangaiah L Participated in Five Day FDP on "Machine Learning using Python" 25th to 29th May, 2020 organized by Reva University, Bengaluru.
- Dr. Rangaiah L Participated in Five Day FDP on "Artificial Intelligence" 22nd to 26th May, 2020 organized by BVRIT College of Engineering for Women, Hyderabad.
- Dr A. Muruganandham attended, Digital Image processing, 8 weeks, Juyl-Dec-2019 NPTEL
- Dr A. Muruganandham attended, NBA 8 weeks Jan-Jun 2020 NPTEL
- Dr A. Muruganandham attended, Research Methodology,6 days, 20/05/2020 to 25/05/2020 Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, PUNE
- Dr A. Muruganandham attended, Mastering the Art of Handling Post Covid Challenges for Sustainable Development 5 days19-05-2020 to 23-05-2020 Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE
- Dr A. Muruganandham attended, Machine Learning & Applications 5 days 2020-8-24 to 2020-8-28 ATAL
- Dr. A. Muruganandham attended a FDP on Mastering the Art of Handling Post Covid Challenges for Sustainable Development on 19-05-2020to 23-05-2020
- Dr. A. Muruganandham attended a FDP on Research Methodology on 20/05/2020 to 25/05/2020
- Dr. A Muruganandam attended 6 days AICTE-AIQUS STTP attended with the topic of Deep learning and irs applications using tensorflow & keras at RMK ENGG College, Chennai.
- Dr.Sumitha Manoj attented 1 week FDP on "Role of Machine Learning &Data Sciences in AI "from 28th June to 2nd July 2020 organized by Mahatma Gandhi Institute of Technology
- Dr.Sumitha Manoj attented 5 Days FDP on Emerging Applications in Deep Learning held on 8th to 12th JUNE 2020 at RRCE.

FACULTY DEVELOPMENT PROGRAMME

- Dr.Sumitha Manoj attented 3 Days FDP for student Induction during 30th JAN -1ST FEB 2020 at ACS college of Engineering organized by "AICTE"
- Dr.Sumitha Manoj attented 1 week National Level online FDP on "Mastering the Art of Handling Post Covid Challenges for Sustainable Development from 19th May to 23rd May 2020
- Dr. R Gangadhar Reddy attended a 5 day FDP on Universal Human valuesconducted by AICTE on 21-25 July 2020.
- Dr. R Gangadhar Reddy attended a FDP on "IPR Awareness and patent prosecution", organised by CMR engineering college, Hyderabad on 6 – 10 May 2020.
- Dr. R Gangadhar Reddy attended a FDP on " Contemporary tools and techniques for teachers and research in higher education: experience of using virtual class rooms, " organised by cambride institute of technology, on 9th may 2020.
- Dr. R Gangadhar Reddy attend a FDP on "Artificial Intelligence" organised by AICTE / MSME,on 11 - 15 May 2020.
- Dr. R Gangadhar Reddy attended a 5 day FDP on Artificial Intelligance on 22- 26 May 2020 organised by Sridevi womens Engineering College, Hyderabad.
- Dr. R Gangadhar Reddy attended One week Faculty Development Program on Artificial Intelligence & its Application conducted from 25th may to 30 May 2020.
- Dr. R Gangadhar Reddy attended one week online Faculty Development Pro0gram on "Opportunities and Challenges in Electronics and Allied Industries in INDIA post COVID-19" on 25 – 30 May 2020
- Dr. R Gangadhar Reddy attended 5 day national level online FDP on Novel Aproaches on Block chain Technology and its Applications on 22 – 28 May 2020 organised by Teerthanker Mahaveer University, Utterpradesh.
- Prof. Sunitha.R, attended a FDP on "Latex", on 17/04/2020 to 30/04/2020.
- Prof. Sunitha.R, attended a FDP on " Advanced Digital Image Processing" on 01/05/2020 to 14/05/2020.
- Dr. A. Muruganandham, attended a FDP in "Digital Image Processing through AICTE through NPTEL on JULY -OCT 2019.
- Dr. A. Muruganandham, attended a FDP "5 days programme on "IPR Awarwness and Patent Prosecution", conducted by CMR Engineering college, on 6 – 10 May 2020
- Dr. A. Muruganandham, attended FDP on Swift(IoS) Programming language organised by MET's institute of engineering, Nashik, on 12-16 May 2020.
- Dr. D. Sobya, attended 3-days FDP on Student Induction (FDP-SI) during 30 January - 1 February 2020 at ACS College of Engineering , Bangalore Organized by AICTE.
- Dr. R Gangadhar Reddy attended a FDP on Insight into quality research and innovation organised by Vivekanada college of engineering for women, Chennai on 13-20 May 2020.
- Dr. R Gangadhar Reddy attended a FDP on ICT tools in education using MOODLEorganised by PACE institute of technology and science , Ongole Andhara Pradesh, on 22-26 May 2020

FACULTY DEVELOPMENT PROGRAMME

- Dr. R Gangadhar Reddy attended a FDP on Linux foundation and implementation ofdata structures organised by Vallurupalli Nageswara rao Vignana Jyothi institute of engineering and technology, Hyderabad, on 11-16 May 2020.
- Dr. R Gangadhar Reddy attended a FDP on Python for machine learning organised by Vallurupalli Nageswara rao Vignana Jyothi institute of engineering and technology, Hyderabad, on 18-23 May 2020.
- Dr. R Gangadhar Reddy attended a FDP on Data science and cloud computing organised by Chebrolu Engineering college, Guntur, Andhra Pradesh on 18-22 May 2020.
- Dr. R Gangadhar Reddy attended a FDP on Mastering the art of handling post covid challenges for sustainable development on 19 - 23 May 20
- Dr. R Gangadhar Reddy attended a FDP on Scilab on 23 May to 5 June 2020
- Dr. R Gangadhar Reddy attended a FDP on Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19 on 25 - 30 May 2020
- Dr. R Gangadhar Reddy Participated in Five Day FDP on "Contemporary Research Trends in Electronics and Communications, and Computer Science" 6th to 10th July, 2020 organized by Dept. of ECE, VTU Centre for Postgraduate Studies, Kalaburagi in association with IETE
- Dr. P. Bhuvaneswari Attended the Session of Season 3 of Skycampus Digital Knowledge series on the theme "Future is here now" from April 27th to 1st May 2020 Conducted By ICT Academy
- Dr. P. Bhuvaneswari Attended the Session of Season 4 of Skycampus Digital Knowledge series on the theme "The Future of education , Employment and Entrepreneurship" from 4th May to 8th May 2020 Conducted By ICT Academy
- Dr. P. Bhuvaneswari Attended the Session of Season 6 of Sky campus on The Them"Future Tech 2020" from 18th to 22nd May 2020 Conducted By ICT Academy
- Dr. P. Bhuvaneswari Attended the Session of Season 7 of Sky campus on the theme"Accelerating Industry 4.0 - A Post COVID Paradigm" From 25th To 29th May 2020 Conducted By ICT Academy
- Dr. D. Sobya attended a FDP on Renewable Energy System on 8/620 to 12/6/2020
- Dr. D. Sobya attended a FDP on Mastering the Art of Handling Post Covid Challenges for Sustainable Development on 19/5/20 to 23/5/2020
- Dr. D. Sobya attended a FDP on NAAC Awareness Programme for Faculty on 8/5/20 to 14/5/2020.
- Dr. D. Sobya attended a FDP on Managingonlineclassesandco-CREATINGMOOCS on 20/4/20 to 6/5/20.
- Dr. D. Sobya attended a FDP on Universal Human Values and Professional Ethics on 13/5/20 to 17/5/20.
- D. Sobya attended a FDP on Principles of Management Faculty Development Program on 18/5/20 to 22/5/20.
- Dr. D. Sobya attended a FDP on Outcome Based Education: A Step Towards Excellence on 11/5/20 to 15/5/20

FACULTY DEVELOPMENT PROGRAMME

- Prof. Jyothi A P attended a FDP on IEEE Technology management and industry webinar series on 18.5.2020 to 22.5.2020
- Prof. Jyothi A P attended a FDP on National level webinar series on Recent Advances in Engineering and Technology(ETRX-ETC Discipline) on 8.6.2020 to 13.6.20
- Prof. Jyothi A P attended a FDP on Virtual FDP on Emerging Applications in Deep Learning on 8.6.2020 to 12.6.2020.
- Dr. Sumitha Manoj attended a FDP on Mastering the Art of Handling Post Covid Challenges for Sustainable Developmen on 19/5/20 to 23/5/20.
- Prof. M. Suresh attended a FDP on Satellite and Automation on 11/5/20 to 13/5/20
- Prof. Deepika J attended a FDP on Cloud Infrastructure and Virtualization on 25-5-2020 to 29-5-2020
- Prof. Haritha K Sivaraman attended a FDP on Cloud Infrastructure and Virtualization on 25-5-2020 to 29-5-2020
- Prof. Pushpa M J attended a FDP on Cloud Infrastructure and Virtualization on 25-5-2020 to 29-5-2020.
- Prof. Chaithanya S attended a FDP on Engineering Statistics and Linear Algebra on 22nd Jan to 26th Jan 2020
- Prof. Chaithanya S participated in One-Week National Level Faculty DevelopmentProgram on "Research Methodology and LaTeX with Hands-on" organized by SVCE, BANGALORE. Technically sponsored by "The Institute of Electronics and Telecommunication Engineers (IETE)" held between 06/07/2020 to 11//07/2020
- Prof. Sunitha.R attended a FDP on Outcome Based Education (Obe) And Nba Accreditation on 20th to 24th Jan 2020
- Prof. P.Bhuvaneswari attended a FDP on Keys to Qualitative Research with Balanced Professional Life on 19th to 21st une 2020
- Prof. P.Bhuvaneswari attended a FDP on Antennas and Microwave Engineering on 8th to 13th June 2020
- Prof. Sreepathi V attended a FDP on Scilab on 23 May to 5 June 2020.
- Deepika J participated in online FDP on Cloud Infrastructure and Virtualization, Five Days Faculty Development Program conducted by Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad,from 25-29, May 2020.
- Dr. S M Vijaya attended FDP on Recent Trends in Information, Computing Communication and Teahing Methodology Competency on 4-17 May 2020

FACULTY DEVELOPMENT PROGRAMME

- Mrs Vani S Badiger, attended a FDP on "Contemporary Research trends in Electronics & communication and computer science", organised by Department of electronics and communication, Visvesvaraya Technological University, VTU Regional Office, Gulbarga (VTU) Centre for PG Studies, Kalaburgi in association with IETE from 6th to 10th July 2020.
- Mrs Vani S Badiger, attended a FDP on " soft skills and Cloud Technologies", organised by Department of Master of computer applications, MSRIT under AICTE Margadharshana Scheme from 29th June to 1st July 2020
- Mrs Vani S Badiger, attended a FDP on ""Online ICT Tools for Effective Teaching Learning", organised by Department of Computer science and engineering, Priyadarshini institute of science and Technology for women, khammam T.S,On 30th june to 4th july 2020
- Mrs Vani S Badiger, attended a series of webinars on " Cutting edge technologies in electronics and communication engineering organised by Pullaiah college of Engineering technology, Kurnool on 14 – 16 May 2020
- Mrs Vani S Badiger attended a FDP on "IPR Awareness and patent prosecution", organised by CMR engineering college, Hyderabad on 6 – 10 May 2020.
- Mrs Vani S Badiger attended a FDP on "Contemporary tools and techniques for teachers and research in higher education: experience of using virtual class rooms, "organised by cambride institute of technology, on 9th may 2020.
- Mrs Vani S Badiger, attended FDP on Swift(IoS) Programming language organised by MET's institute of engineering, Nashik, on 12-16 May 2020Jtothi A P attended AICTE-VTU Joint One-week training program for teachers on "An overview of teaching techniques in Microcontroller and Embedded systems from 20th- 24th Jan 2020 in VTU PG Center, Muddenahalli, Chikkaballapur.
- Jyothi A P attended a FDP on AICTE-AQIS Sponsored STTP on "Deep learning and its applications using tensor flow and keras" on 20 – 25 July 2020
- Jyothi A P attended a FDP on Applications of industry 4.0 & IoT in the field of engineering and medical on 27 – 31 July 2020
- Jyothi A P attended a FDP on One week FDP on Role of Machine Learning & Dta Sciences in AI on 28 June to 2 July 2020
- Jyothi A P attended a FDP on Advances in signal processing and applications on 27 – 31 July 2020

PLACEMENTS

CONGRATULATIONS!

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Manoj kumar C	Cinif Technologies
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Pooja P S	TCS
Nisha k	Cognizant
Soundarya S	Cognizant/Value labs
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Sanjay B R	Altimetrik india Pvt Ltd
Kavana H K	genpact
Gunashree B R	Prime Focus Technologies SEZ
Usharani A	Tech Mahindra
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Bhupalam Geetanjali	TCS
Gollamandala Venkata Divyanjali	MindTree
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Bhavya R	KreditBee
Akash S V	VISIONET
Chandana S	THAKRAL ONE
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Meghana A Kalyankar	Accenture

ALUMNI VOICE

RRCE – Institution which is building tomorrow's engineers. Being on the first batch of graduate list and with many challenges faced, we still are the best of them all. RRCE tuned us to put more hard work to gain success. Being an engineer from this institution has helped me to face this society in an easy go way. From the learning's I would like to do something to this society which should help in the progress /growth of this country. My success in RRCE is not only being the graduate of this institution but the self being which this institution has induced in me.

MITHUN CHAVAN S
Senior Software Engineer,
Visa Inc, Bangalore

It is a respect for me to be a piece of this RRCE foundation .Your specialty was sufficiently caring to give the much consolation and specialized help which made us to make progress. RRCE has helped me in certain ways in shaping my feature by increasing certain uplifting disposition and initiative qualities. I have developed professionally as well as consistently, I encounter restored vitality and self-improvement through the training and experience that RRCE has provided. Administration and showing staff were incredible sparks and strong in this journey. Henceforth, I am thankful to everyone who have made me an effective graduate and entrepreneur.

DAYANANDA ANGADI
Senior Embedded Engineer
Larsen & Turbo Heavy Engineering
(Defence & Aerospace),Bangalore

An organization has an impalpable effect on all that it touches, on the brains and dreams and I could investigate myself and form into a striking and sure individual, prepared to confront the universe for further studies, this institution helped me a lot for striking into further abroad studies. Gratitude for every RRCE staff & faculty worked around feeding the development of a future personality, a domain with development in assorted points, concentrating on specialized training for every student purusing. Thanks RRCE for building my future into success.

AMOGHA JAYARAMU
Mule soft Tester
Coco-cola
New Jersy