

P.S.R.ENGINEERING COLLEGE



Magazine 2020



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

PATRONS

*Thiru. R.Solaisamy
Correspondent
Dr.B.G.Vishnuram
Principal*

INSTITUTION VISION

To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity.

INSTITUTION MISSION

- **To create an ambience for quality learning experience by providing sustained care and facilities.**
- **To offer higher level training encompassing both theory and practices with human and social values.**
- **To provide knowledge-based services and professional skills to adapt tomorrow's technology and embedded global**

CHIEF EDITOR

*Dr.K.Valarmathi
Prof / Head*

Editors message

It was both exciting and exigent being the Editors of this issue of our department's newsletter. This newsletter is a true reflection of the sincere efforts of our faculties and students who worked tirelessly with great zeal like ants collecting food. They went the extra mile to ensure that the newsletter was impeccable - design and content wise. The newsletter focuses on the incredible achievements of our faculties and students in curricular, co-curricular.

INSIDE THIS ISSUE

EDITOR

*Ms.B.Dhanam AP/ECE
Ms.M.Rajkumari AP/ECE*

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STUDENT EDITOR

GANESH KUMAR III ECE

Message from Correspondent and Managing Trustee

Our vision is based on hard work, open communication-a strong emphasis on team work and a high level of responsibility. This molds students, faculty and staff to face the present-day challenges to shoulder responsibilities to serve the society and nation. Learning should be based on doing things rather than merely knowing it. Until and unless knowledge is translated into solutions in real life, the purpose of learning remains partial. The basic aim of any engineering institution is to groom the young minds to harness and explore the vast



opportunities available from time to time. Our Institution has set specific objectives and planned various activities for our students for achieving excellence in all the spheres of technical education. We ensure wholesome development of every young techno-aspirant to be an asset to the profession, society and mankind.

Thiru.R.Solaisamy Avl

Principal's Message



Hope all are safe and healthy during this unprecedented pandemic situation, and that everyone is extending possible help to those suffering. Being one of the worst affected segments by COVID-19, the education sector is actively exploring alternative methods for content delivery, student evaluation, and effective engagement of human resources. All indications point to a future in which we have to live with the Corona virus and hence we have to prepare accordingly for the imminent paradigm shift, by modifying our behavior, and age old practices. Such changes will surely impact the employment scenario also. Challenges of such proportions bring golden opportunities as well. We can be self-reliant in many technological domains and thus boost the sagging morale of the industry. Technology interventions in healthcare, agriculture, food processing and manufacturing processes will be the prime areas of

attention. Hence the faculty shall focus their research efforts towards these areas and motivate the students to come up with innovations in them. We must also create demand for local products to help the micro, small and medium scale industries, especially in consumables. Efforts on improving the quality of local products to make them globally competitive must also go hand in hand.

Dr.B,G,Vishnuram ,M.E.,Ph.D.,FIE.,FIV.,

Dean's Message



The major challenge for today's engineering educational institutions is to accommodate the ever varying aspirations of the younger generation because of increasingly changing demand and development in industries. We constantly put efforts to accommodate these aspirations by fine tuning the academics of college with innovative and practical oriented teaching - learning practices along with other developmental activities. Our goal is to change the world through education. It may sound idealistic, but this is precisely our long-term goal. We focus on our students by providing them with a world-class outcome-based education and hands-on experience through research, training, and student forum

activities etc. The success of our undergraduate, postgraduate & research programs is supervised by our eminent faculty, who continue to set the standard for excellence. There is continuous check on the implementation of planned academic activities with desired results in grooming our future generation for employment and for higher studies in India and abroad. A research culture has taken shape in the institute through enhanced R & D activities. We believe in continuous development and strive to carry on the best efforts and endeavors towards the benefit of the students.

Dr.P.Marichamy,M.E.,Ph.D.,

HOD's Message



This Magazine is presenting a glimpse of the growth of the department on many fronts. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. The highly qualified and dedicated members of staff have always stood shoulder with the management and have carried out their duties with a level of commitment. This Magazine has recorded achievements such as conferences attended by staff members and students, competitions won by the hugely talented students, innovative projects carried out by students with the guidance of staff, among others. I congratulate all the contributors and the editorial board for bringing out such a beautiful magazine.

Dr.K.Valarmthi, M.Tech.,Ph.D.,

DEPARTMENT VISION

The vision of the Electronics and Communication Engineering Department is to produce graduates with sound knowledge for the betterment of society and to meet the dynamic demands of industry and research.

DEPARTMENT MISSION

- Offering under graduate and post graduate programs by providing effective and balanced curriculum and equip themselves to gear up to the ethical challenges awaiting them.
- Providing the technical, research and intellectual resources that will enable the students to have a successful career in the field of electronics and communication engineering.
- Providing need based training and professional skills to satisfy the needs of society and industry.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Design, simulate and analyse diverse problems in the field of telecommunication.
- Able to design and analyse varied electronic circuits for applications.
- Apply signal and image processing techniques to analyse a system for applications.
- Construct, test and evaluate an embedded system and control systems with real time constraints.

PROGRAMME OUTCOME (POs)

- Apply knowledge of mathematics, physical sciences and Electronics and Communication Engineering fundamentals.
- Able to identify, formulate, analyze and solve Electronics and Communication Engineering Problems.
- Able to design and realize Electronics and Communication systems to meet desired needs within practical constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- Able to investigate and conduct experiments, as well as to analyze and interpret data.
- Use of techniques, skills, and modern engineering tools necessary for engineering practice.
- Contextual knowledge to assess societal, health, safety, legal and cultural issues related to Engineering.
- Realize the impact of Electronics and Communication engineering solutions in a global, economic and environmental context.
- Apply ethical principles and commitment to professional ethics and responsibility.
- Function as an individual and as a member or leader in multidisciplinary teams.
- Communicate effectively with the engineering community and society at large.
- Knowledge and understanding of management and business practices and their limitations.
- Recognize the need for, and have the ability to engage in life-long learning.

DEPARTMENT ACTIVITIES

- Research Funds Sanctioned By AICTE For Various Projects.

Title of Project	Funding Agency	Amount	Status (Submitted / Ongoing / Completed)
RPS - A Novel Approach for the Design and Implementation of Wearable Antennas by detecting the Stages of Brain Tumor	AICTE	7,52,745	Ongoing
FDP – Technical Trends in IoE, Data Science & Artificial Intelligence	AICTE	5,50,900	Ongoing
STTP – Supporting Open Technologies for Deployed Artificial Intelligence	AICTE	3,36,667	Ongoing

- Ph.D. Awarded Under Department Supervisor:**

Name of the scholar	supervisor	Full Time / Part Time	Date of Viva
Ms.C.Vinola	Dr.K.Valarmathi	Part Time	06.10.2020
Mrs.B.Indira	Dr.K.Valarmathi	Full Time	10.06.2020
Mr.A.Kamaraj	Dr.P.Marichamy	Part Time	20.03.2020
Mr.C.Kalyana Sundram	Dr.P.Marichamy	Part Time	25.01.2021

- List Of DC Meeting / Viva Voce Conducted:**

Name of the Research Scholar	Register Number	Supervisor Name	DC Meeting / Viva - voce	Date
Mr.C.KalyanaSundaram	1413489179	Dr.P.Marichamy	Viva -voce	
Ms.B.Dhanam	18244891514	Dr.P.Marichamy	DC Meeting -II	11.12.2019
Ms.C.Vinola	1424489199	Dr.K.Valarmathi	Viva - voce	06.10.2020
Ms.B.Indira(FullTime)	16234897447	Dr.K.Valarmathi	Viva - voce	10.06.2020

- List Of Candidates Pursuing Ph.D. Under Department Supervisor :**

Name of the candidate	Register Number	Supervisor Name	Area of Research	Status
Mrs.V.Srirenga Nachiyar, Ramco Institute of Technology Rajapalayam	20241136	Dr.P.Marichamy	Medical Signal Processing	July 2020 Batch
Mrs.P.Lingeswari P.S.R Engineering College, Sivakasi	20241982	Dr.P.Marichamy	Wireless Communicat ion	July 2020 Batch

G.Sivakumar Ramco Institute of Technology Rajapalayam	20241385	Dr.P.Marichamy	Mobile Adhoc Networks	July 2020 Batch
Mr.S.Balasubramanian P.S.R Engineering College, Sivakasi	1314489148	Dr.P.Marichamy	Medical Data Mining	Provisional Registration Confirmed
Mrs.B.Dhanam P.S.R Engineering College, Sivakasi	18244891514	Dr.P.Marichamy	VLSI Design	Provisional Registration Confirmed
Mr.Raj Kumar SVS College of Engineering, Coimbatore	1414489833	Dr.P.Marichamy	Indigestible Antenna	Provisional Registration Confirmed
Mr.C.Balamurugan National Engineering College, Kovilpatti	1414489780	Dr.P.Marichamy	Cognitive Radio	Provisional Registration Confirmed
Mr.R.Rajaguru Sethu Institute of Technology, Kariapatti	1514489172	Dr.P.Marichamy	Mobile Networks	Provisional Registration Confirmed
Ms.S.Manjula, Ramco Institute of Technology Rajapalayam	20241380	Dr.K.Valarmathi	Cloud computing, Wireless Sensor Networks	July 2020 Batch
Mr.EranaVeerappaDinesh Sethu Institute of Technology, Kariapatti	1614489301	Dr.K.Valarmathi	Energy Consumption in Mobile Computing	Provisional Registration Confirmed
Mr.P.DineshKumar VSB Engineering College, Karur	1614489383	Dr.K.Valarmathi	Artificial Intelligence, Wireless Sensor Networks	Provisional Registration Confirmed
Mrs.S.Jeevitha Kalasalingam Institute of Technology, Srivilliputhur	16244897309	Dr.K.Valarmathi	Biomedical and Image Processing	Course work Completed
Mrs.M.Rajashanthi P.S.R Engineering College, Sivakasi	17234891382	Dr.K.Valarmathi	Mobile Adhoc Network	Provisional Registration Confirmed
Mrs.M.Swarnasudha Ramco Institute of Technology, Rajapalayam	17234891501	Dr.K.Valarmathi	Data Analytics	Provisional Registration Confirmed
Mr.P.Ravikumaran Fatima Michael College of Engineering & Technology, Madurai	1514489952	Dr.K.Valarmathi	Computer Networks	Provisional Registration Confirmed
Mr.S.Karthikeyan M.Kumarasamy College of Engineering, Karur	1414489829	Dr.K.Valarmathi	Industrial Automation and Wireless Sensor Network	Provisional Registration Confirmed
Ms.K.Meenalakshmi P.S.R Engineering College, Sivakasi	20234891205	Dr.K.Valarmathi	Biomedical and Image Processing	Course work completed

Mr.N.S.Yoga Ananth P.S.R Engineering College, Sivakasi	20241496	Dr.P.Karuppasa my	Antennas	July 2020 Batch
Mr.P.Govindamoorthi PSN Engineering College, Tirunelveli	18124897276	Dr.P.Ranjith Kumar	Health Care	Course Work completed
Mrs.M.Vimala P.S.R. Engineering College, Sivakasi	18244897235	Dr.P.Ranjith Kumar	Medical Image Processing	Course Work completed

- **List of students gone for Higher Studies:**

Name of Student	Organization	Degree
Premakarhika S	P.S.R.Engineering College	Applied Electronics
Padmapriya B	P.S.R.Engineering College	Applied Electronics
Nagaraj M	P.S.R.Engineering College	Applied Electronics
Ramesh S	P.S.G.College of Technology, Coimbatore	Communication Systems
Charumathi V	Thiagarajar College of Engineering, Madurai	Communication Systems
Parthasarathy	National Engineering College, Kovilpatti.	Embedded System and Technology

FDP/Workshop/STTP Conducted:

- Two Days Workshop was conducted on **“Python for Data Science”** by Dr.S.Thayammal (Alumni), on 6.01.2020 &07.01.2020.



International Conference conducted:

- AICTE sponsored International Conference on **“Challenges and Opportunities for Development of Smart Cities”** was held from 23.01.2020 to 25.01.2020.

Resource Persons

Prof. Chockalingam Arvind Vaithilingam ASP/Taylor's University, Malaysia

Dr.B.ChittiBabu,IIITDM/ Chennai

Dr.S. Albert Alexander,KonguEngg College, Erode

Dr.S.Thangaprakash,Professor, SVS College of Engg, Coimbatore

Dr.B.G.Sangameswara,JSS&STUniversity,Mysuru, Karnataka

Dr.C.Karthik,ResearchScientist,ShanghaiJiao Tong University, China

Mr.S.Dhayalan,Ivita Software Solutions



- On January 25, 2020, IETE Student Section hosted a one day workshop on 'Mobile App Development'. Our former student, Mr. S. Dayalan, Software Engineer, Ivita Solutions described how to build mobile applications and the current projects. Over 150 students took part and learned about the latest techniques in mobile Apps.



- **National level Technical Symposium: “ELCOWARZ” 2020** was conducted on 14th & 15th Feb'20. Students from various colleges actively participated in variety of events conducted by our students.



- Three Days Online FDP was conducted on “ **Design and Analysis of Electronic Circuits with NI-ELVIS II+**” from 04.03.2020 to 06.03.2020. Mr. Y. Ravi of II ECE honored the Resource Person **Mr. Mohamed Pharsath M, Application Engineer, OPTI THOUGHT, Chennai.**
- The Key Note Speaker revealed NI-ELVIS II+ Kit and related experiments were demonstrated to the participants.



Online Courses Conducted:

- .Five Days Online FDP was conducted on” **Deep Neural Networks and Expert Systems**”, from 25.05.2020 to 29.05.2020.**Dr.P.Ganeshkumar, AP, Department of IT, Anna University Regional Campus, Coimbatore** was the resource person.

- Webinar titled “**e-Governanceamid COVID -19 pandemic** “was conducted on 13.05.2020. Resource Person: **Dr.IniyaNehru,DDG/ Scientist ,National Informatics Center. Govt. of India, Vijayawada.**

AICTE Sponsored Two weeks online STTP was conducted on “**Supporting open Technologies for Deployed Artificial Intelligence**” held on three slots.

- Around 125 faculties participated and acquired knowledge about different technologies deployed in Artificial Intelligence



- Slot 1:27.10.2020 to 02.11.2020
Slot 2: 16.11.2020 to 21.11.2020
Slot 3; 07.12.2020 to 12.12.2020

Resource persons from various universities are:

Dr.P.Ganesh Kumar	Dr.R.Mohan
Dr.Suneet kumar Gupta	Mr.Rajesh K Jeyapal
Dr.Selvamani Indrajith	Mr.N.Rajesh
Dr.Sibi Chakkravarthi	Indrajith
Dr.P.Karuppanan	Mr.C.Jegan
Dr.J.Sheeba Rani	Dr.D.Devaraj
Dr.S.Thayammal	Mr.S.Isaac
	Ms.M.Meenalakshmi

- **AICTE** Sponsored Two weeks online FDP was conducted on “**Technical Trends in IOE, DataScience and Artificial Intelligence**” on three phases form 02.11.2020 to 28.12.2020. Eminent speakers from various states lectured and nearly 150 faculties from various colleges have participated and learned about the Recent Trends and Challenges in IOE and Artificial Intelligence.

Phase I: 02.11.2020 to 17.11.2020

Phase II: 23.11.2020 to 05.12.2020

Phase III:14.12.2020 to 28.12.2020



The Resource Persons are:

Dr.K.Ramani,University of Petronas,Malaysia
 Dr.J.SheebaRani,IIST,Trivandrum
 Dr.P.Karuppannan,MNNIT,Allahabad
 Dr.Chittibabu,IITMD&M,Kancheepuram
 Dr.P.Ganeshkumar,Anna University,Coimbatore
 Dr.Anto Sahaya Dhas,VJEC,Kerala

Dr.S.Sreedharkumar,Dr TTTIT,Karnataka
 Mr.Rajesh K,Jeyapaul,IBM,Bangalore
 Dr.V.Devarajan,SriSai College of Engineering & Tech,AP
 Mr.N.Rajesh,DELL Technologies,Bangalore
 Mr.S.Issac Bernie,Trans Healthcare,Chennai
 Dr.I.Selvamani,MRCEW,Hyderabad

P.S.R. ENGINEERING COLLEGE
 An Autonomous Institution, Affiliated to Anna University and Approved by AICTE,
 Accredited by NBA, NAAC and listed under 2(f) & 12(B) of the UGC Act, 1956.
 Sevalpatti, Sivakasi - 626 140.

Department of Electronics and Communications Engineering
AICTE Sponsored Two Week Online FDP on
Technical Trends in IoE, Data Science and Artificial Intelligence
 Phase - III (14.12.2020 to 28.12.2020)
EMINENT SPEAKERS

Dr. K. Ganeshkumar Professor of ECE, Anna University, Bangalore	Dr. J. Sheeba Rani Asst. Prof. (Senior Grade) IIST, Trivandrum	Dr. P. Karuppannan Prof. (Associate) MNNIT, Allahabad	Dr. Chittibabu Asst. Prof. (Senior Grade) IITMD&M, Kancheepuram	Dr. P. Ganeshkumar Asst. Prof. (Senior Grade) Anna University, Coimbatore	Dr. S. Sreedharkumar Asst. Prof. (Senior Grade) TTTIT, Karnataka	Mr. Rajesh K. Jeyapaul Senior Software Engineer, IBM, Bangalore	Dr. V. Devarajan Asst. Prof. (Senior Grade) Sri Sai College of Engineering & Tech, AP	Mr. N. Rajesh Senior Software Engineer, DELL Technologies, Bangalore
Mr. S. Vigneshwar Arunkumar Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. C. Chandrasekar Arun Kumar Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. P. Manojkumar Asst. Prof. (Senior Grade) P.S.R. Engineering College	Ms. S. Vinshuram Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. B. Ramachandran Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. Rajkumar V. Ramesh Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. S. Srinivasan Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. S. Manikandan Asst. Prof. (Senior Grade) P.S.R. Engineering College	Dr. P. Ranjithkumar Asst. Prof. (Senior Grade) P.S.R. Engineering College
Correspondent Thiru.R. Solaisamy	Director Er.S.Vigneswari Arunkumar	ORGANISING COMMITTEE		Chair Persons Dr.B.G.Vinshuram Dr.M.Shaiful Hameed	Coordinators Dr. P.Manichamy Dr.K.Valarmathi	Executive Members Dr.P.Ranjithkumar Dr.P.Kadrupeesamy Dr.K.Vinodh Dr.S.Manikandan		

<https://forms.gle/GRSV116oT5zuWwU16>

FACULTY CORNER

Faculty Achievements:

Research Grant Received:

1. Dr.K. Valamathi received an AICTE MODROB-Research grant in aid of Rs.14,20,000/-
2. Dr.K. Valarmathi received an AICTE research projects per teacher funded by government in aid of Rs.7,50,000/-

Award Details:

Name of the faculty	Name of the Award	Name of the awarding agency	Month and Year
Dr.P.Marichamy	Exemplary Academic Administrators of Higher Education Institutes across	The Academic Council of uLektz	29-February - 2020
Dr.P.Karuppasamy	P.S.R. Engineering College Institutional Ambassador of IFERP	Institute for Engineering Research Publication	28-August-2020

- Our Head Dr.K.Valarmathi awarded as the Successful Co-ordinator of “NEW INDIA LEARNATHON” conducted by ICT academy during May-June 2020.
- Dr.P.Karuppasamy was appreciated for his outstanding work as a **Member TPC and “Quality Reviewer”** in the International Conference on Recent Trends in Communication and Intelligent Systems” held on virtual platform during 20.11.2020 to 21/11/2020 conducted at Arya college of Engineering & I.T,Jaipur,Rajasthan, India.



Grant of Revenue:

Name of the Consultant(s)&Department	Title of the Programme	Agency seeking training	Revenue Generated(amount in rupees)	Number of trainees
Dr.P.Karuppasamy	Comsol Simulation for Electronic Device Based Modelling	Waxwing automation Systems, Address: Thiruthangal, Sivakasi, Tamil Nadu 626130 Phone: 099945 56560	10,000	15
Dr.R.Vinoth	MATLAB Image Processing Toolbox	Sofia Infology Address: 80, 2nd Floor, Yanaikkal, Madurai, Tamil Nadu 625001 Phone: 098421 73530	9,000	20

Book Chapter Books:

- Karthikeyan, K. Vimala Devi, **K. Valarmathi, 2020, "Intelligent Fog Computing for Industrial Wireless Sensor Networks"**, Industry 4.0 Interoperability, Analytics, Security, and Case Studies, CRC Press, Taylor & Francis Group.

Journal Publications:



- P.Marichamy and S.Balasubramanian, "An efficient medical data classification using oppositional fruit fly optimization and modified kernel ridge regression", Journal of Ambient Intelligence and Humanized Computing, Jan 2020, ISSN.No.1868-5137.
- P.Marichamy, R.SriAbinaya and C.KalyanaSundharam, "FPGA control of wheelchair movement for paralyzed persons using steady state visual evoked potential signals", International Journal of Advanced Science and Technology, April 2020, ISSN.No.2207-6360.
- P.Marichamy, A.Kamarajand K.P.Kaviyashri, "Realization and Optimization of Quantum Equivalent Circuits of Reversible Combinational Circuits" Journal of Computational and Theoretical Nano Science, May 2020, ISSN.No.1546-1955.
- K.Valarmathi and M.Rajashanthi, "A Secure Trusted Multipath Routing and Optimal Fuzzy Logic for Enhancing QoS in MANETs" Wireless Personal Communications Dec 2019, ISSN.No.0929-6212.
- K.Valarmathi and M.Rajashanthi, "Energy-efficient multipath routing in networking aid of clustering with OGFSO algorithm", Soft Computing, Jan 2020, ISSN.No.1432-7643.

- K.Valarmathi and S.EranaVeerappa Dinesh, "A novel energy estimation model for constraint based task offloading in mobile cloud computing", *Journal of Ambient Intelligence and Humanized Computing*, May 2020, ISSN.No.1868-5137.
 - P.Ranjith Kumar and Raja Kalidas, "Design of Microstrip Patch Antenna Using Lanthanum Doped Magnesium Ferrite Dielectric Materials", *Transactions on Electrical and Electronic Materials*, Springer, April 2020, ISSN.No.2092-7592.
 - P.Ranjith Kumar and K.Santha Kumar, "Optimal weighed Holoentropy for video compression: an advanced HEVC", *Imaging Science Journal*, April 2020, ISSN.No.1368-2199.
 - R.Senthil Ganesh, P.Karuppasamy, A.Abudhahir, R.Vinoth, and S.Selvaperumal, "3D Modeling of MFL Imaging System to Detect Surface Discontinuities in Ferromagnetic Tubes", *Materials Evaluation*, Mar 2020, ISSN.No.0025---5327
 - SasirekaRajendran, VinothRathinam, K.Lalitha and R.Harini Shree, "Antibacterial Efficacy of Selected Essential Oils against Bacillus Megaterium and their Application in Food Preservation", *Test Engineering and Management*, Mar 2020 ISSN.No.0913-4120
 - K.Ramalakshmi and V.SrinivasaRaghavan, "Kernalized average entropy and density based spatial clustering with noise", *Journal of Ambient Intelligence and Humanized Computing*, Feb 2020, ISSN.No.1868-5137.
 - R .Rajaguru K.Vimala Devi, and P.Marichamy, 2020, "A hybrid spectrum sensing approach to select suitable spectrum band for cognitive users", *Computer Networks*, ISSN 1389-1286.
 - Indira, B., Valarmathi, K, 2020, "A perspective of the machine learning approach for the packet classification in the software defined network", *Intelligent Automation and Soft Computing*, ISSN 1079-8587, doi:10.32604/iasc.2020.010114.
 - Dr.P.Ranjith Kumar, Raja Kalidas, 2020, "Design of Microstrip Patch Antenna Using Lanthanum Doped Magnesium Ferrite Dielectric Materials", *Transactions on Electrical and Electronic Materials*, Springer, ISSN 2092-7592, doi.org/10.1007/s11664-019-07041-9.
 - K.Santha Kumar, Dr.P.Ranjith Kumar, 2020, "Optimal weighed Holoentropy for video compression: an advanced HEVC", *Imaging Science Journal*, ISSN 1368-2199. doi.org/10.1080/13682199.2020.1738132
 - Ramalakshmi K., SrinivasaRaghavan V, 2020, "Soft computing-based edge-enhanced dominant peak and discrete Tchebichef extraction for image segmentation and classification using DCML-IC", *Soft Computing*, ISSN 1432-7643
 - Sri Abinaya R, Kalyana Sundharam C, and Marichamy P, 2020, "FPGA control of wheelchair movement for paralyzed persons using steady state visual evoked potentials signals", *International Journal of Advanced Science and Technology*, ISSN 2207-6360
 - Kamaraj, A., Vidya, B., Sugapriya, M, and Marichamy, P, 2020, "Square & cube computation using vedic algorithms in FPGA", *International Journal of Nanoelectronics and Materials*, ISSN 1985-5761
- S.Thayammal, S.Priyadarsini, and D.Selvathi, 2020, "Edge preserved multispectral image compression using PCA and hybrid transform", *Multimedia Tools and Applications*. DOI: 10.1007/s11042-020-08829-2.

International Conference Publications:



- Dr.P.Marisamy, K.Kaleeswari, "Wireless battery charger based charging station for eve vehicle with pave inclusion", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- R.Arunkuamr, R.Palanikumar, P.Gopikannan, "IoT-enbled smart energy meter",International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Marisamy, B.Priyanka, Mr.S.Balasubramanian, "An improved RGTV algorithm for graph based blind image deblurring from a solitary photograph", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.K.Valarmathi, Mr.M.Thanga Raj, "Robust end to end systems for reading license plates & Street signs", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Marisamy, Ms.P.Kaleeswari, "Wireless battery charger based charging station for eva vehicle with pave inclusion", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Marisamy, Ms.S.Sooriya, "Data integrity for shared cloud data with efficient and secure sensitive information hiding", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Ms.M.MuthuGowri, "Automatic Plaque Detection using deep learning neural network", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.K.Valarmathi, Ms.D.Vishnupriya, "Detection of Glaucoma in ODC region using CNN", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Mrs.K.Ramalakshmi, Ms.PreethVaishnavi, "Scale adaptive kernel support correlation filter algorithm based correlation filter for visual tracking", International Conference on Challenges

- and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Karuppasamy, Ms.G.Gayathri, "Improving energy consumption using sleep/wakeup scheduling in wireless sensor network", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- G.Sathya, M.Sheela, "Palmprint recognition using KNN classifier", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Mr.R.Arunkumar, Mr.R.Vasanth, "Bone segmentation for X-Ray images", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.R.Senthil Ganesh, Ms.S.Gomathi, "Coronary Artery plaque detection and segmentation for IVUS images", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.R.Vinoth, Ms.L.S.Gayathri, "Brain Tumor classification using convolutional neural network", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Mrs.P.A.Mathina, Mr.K.Raghupathy, "Implementation IPC algorithm in Cognitive radio for spectrum sharing: An Approach learning in deep reinforcement", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Mrs.M.Vimala, Mr.G.Madathurai, "An Implementation of MODL: model based deep learning architecture for inverse problems in a single image", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.RanjithKumar, Ms.A.Esaiselvi, "An improved fast and Flexible denoising toward convolution neural network algorithm based image denoising", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Karuppasamy, P.Abinaya, S.Deepa, K.S.Deepalakshmi, "Reuse mechanism to treat waste water", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.
- K.Divya, "Design of 32 bit vedic multiplier using carry look a head adder", International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS' 2020), 2020. ISBN No.978-93-5396-686-7.

- Mrs.K.M.Vimala, K.Lakshmi, “Fast binary counter based on booth multiplier”,International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Mrs.P.A.Mathina, A.Malathi, “Blood glucose monitoring device using red laser light”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.R.Vinoth, S.Gopikashree, G.Madhanki, R.A.Nivethithaa, “Women safety assurance systems”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Karuppasamy, “Eye controlled wheelchair based on Arduino circuit”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Ranjith Kumar, S.Deepa, “Wheelchair cum stretcher for smart healthcare”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Marisamy, Vijayalakshmi.P, “Li-Fi based effective communication for vehicle control”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- M.C.Kalaiselvi, P.Madumida , R.Subitsha, S.Swetha, “Smart clothes for security forces”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020.ISBN No.978-93-5396-686-7.
- P.Krishnaleela, R.K.Suriyapriya, T.Chitra, “Web insurer using relational database management system”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- N.S.Yogaananth, “Flame detection using edge based techniques and normalized RGB method”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Mrs.K.Ramalakshmi, G.Kanimozhi, P.Karthigaipriya, M.Kowsalya, “LPG monitoring and automatic booking system”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Mrs.B.Dhanam, N. .Indhuja, G.Kowsalya, K.Kowsalya, “Soldier health and position tracking system using GPS and GSM modem”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93- 5396-686-7.
- Mr.S.Basubramanian, Pommy, A.RashithaBalkees, S.UmaMaheshwari, “Wearable smart health care diagnosis system based on IoT”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93- 5396-686-7.

- Mrs.P.A.Mathina, R. .Santhine, V.Santhiya , K.Vidhya, “Image-based evidence analysis and extraction in digital forensic investigation”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93- 5396-686-7.
- M.C.Kalaiselvi, M.Maharaja, M.Manojsrithar, A.Pouraj, “IoT based smart school bus monitoring and notification system”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93- 5396-686-7.
- Mrs.P.A.Mathina, S.Abinaya, V.Esakkiammal, M.Kalieswari, “Smart ATM surveillance system”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.P.Marisamy, R.Girha Lakshmi, C.Karthika, K.Kokhila, “Agribot for smart farming”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- M.Rajkumari, P.Kaleeswari, A.KaviBhatathi, N.Muthumalathy, “GEO location tracking using smartphone”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- N.S.Yogaananth, R.Aravinth, R.Ganesh, T.Gowtham, “Landside monitoring drone with multiple application”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Mr.Athimoolam, Sureshkannan, S.Suryaprakash, S.Muthukani, “Better and fast emergency care during accident”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- G.Lingasamy, K.Umamaheswari, V.vairalakshmi, K.Bhuvaneshwari, “Mine safety using wireless sensor network”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- M.Vimala, Dr.P.Ranjith Kumar, “Brain tumor extraction from MRI image using pro”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- M.C.Kalaiselvi, M.Maharaj, M.Manojsrithar, A.Ponraj, “IoT based smart school bus monitoring and notification system”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Mr.S.Blasubramanian, C.GowthamKumari, M.Arun Kumar, V.Ganesh Kumar, “Smart home energy surveillance using IoT”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- P.Muthukumar, R.senthilganesh, MSelvakumar, “Smart speed control for vehicle using IoT”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.

- Dr.P.Marisamy, A.Pathmapriya, S.Premakarhika, B.Padmapriya, “Wireless notice board using GSM”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- P.Ranjithkumar, S.Thirumalaimurugan, M.Muthumanipandi, S.Mutumani, “IoT based solution for monitoring of pollution through pesticide in fresh fruits and vegetable available inmarket”, International Conference on Challenges and Opportunities for Development of SmartCities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.R.Vinoth, P.marunmani, N.Sridharan, S.Soundrarakumar, “Smart watch with water and heat level detector in human body”, International Conference on Challenges and Opportunitiesfor Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93- 5396-686-7.
- Mrs.K.Ramalakshmi, P.Deepika , P.Rupadevi, “Human body as a touch screen”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Dr.K.Valarmathi, P.Parthasarathi, MPrabakar, S.Ramesh, “Lung nodules malignancy level classification”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- P.Lingeswari, R.Mariamammal, M.Priyadharshini, E.Surya, “Design and implementation of intelligent rewalkable Robot”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- S.Mahalakshmi, “Design of switching median filter for controlled noise removal”,International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- S.Athimoolam, M.Selvamari, M.Pasumponphingnkili, “Performance improvement of cognitive radio networks using adaptive security algorithm”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93- 5396-686-7.
- G.Lingasamy, G.Kannan, M.Karuppasamy, M.Muthusamy, “Hybrid missile defence system”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- N.S.Yogaananth, PNavaneethavenkatesan, G.sathipandi, N.saravanakumar, M.Selvakumar, “Smart irrigation system for agriculture using solar system & sensor”, International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS’ 2020), 2020. ISBN No.978-93-5396-686-7.
- Ms.K.Lakshmi, “Yoga & Meditation Necessary for Life Security”, Adarsh Institute of Management, 2020.

Coursera Courses Attended:

Faculty Name	Title of the Course	Duration in weeks	Date(From-To)
	AWS Fundamentals: Building Serverless Applications	4	23.5.2020
	Excel/VBA for Creative Problem Solving, Part-1	5	16.5.2020
Dr.K.Valarmathi	AI for Everyone	4	15.5.2020
	Create Your First Python Program	1	29.5.2020
	Basic Image Classification with TensorFlow	1	22.5.2020
	Spreadsheets for Beginners using Google Sheets	1	14.5.2020
	Neural Network from Scratch in TensorFlow	1	29.5.2020
	Decoding Exam during and after Covid 19	1	8.5.2020
Dr.P.Ranjithkumar	Introduction to Python	1	29.5.2020
	Exploratory Data Analysis with Seaborn	1	26.5.2020
Dr.R.SenthilGanesh	Introduction to IoT and ES	4	22.5.2020
Ms.K.Ramalakshmi	Computer Vision - Object Detection with OpenCV	1	28.5.2020
	Spreadsheets for Beginners using Google Sheets	1	29.5.2020
	Facial Expression Recognition with Keras	1	27.5.2020
	Introduction to Project Management	1	28.5.2020
Ms.S.Mahalakshmi	Introduction to Google Docs	2	25.5.2020
	Introduction to python	1	30.5.2020
Ms.M.Rajkumari	AI for Everyone	4	19.5.2020
	Introduction to Electronics	7	28.5.2020
	Introduction to Google docs	1	16.5.2020
Dr.P.Marichamy	Fundamentals of Network Communication	5	01.06..2020
Dr.P.Karuppasamy	Inspiring and Motivating Individuals	4	9.9.2020
	AWS Fundamentals: Migrating to the Cloud	4	12.9.2020
	Introduction to Applied Machine Learning	4	9.9.2020
	AWS Fundamentals: Addressing Security Risk	4	12.9.2020
	Communication Strategies for a Virtual Age	4	12.9.2020
	Building Arduino robots and devices	4	11.9.2020
	AWS Fundamentals: Building Serverless Applications	4	12.9.2020

Understanding Research Methods	4	11.9.2020
Intelligent Machining	4	4.9.2020
Model-Based Systems Engineering	4	5.9.2020
Leadership and Emotional Intelligence	4	5.9.2020
Advanced Manufacturing Enterprise	4	4.9.2020
Digital Thread Components	3	2.9.2020
Budgeting and Scheduling Projects	5	5.9.2020
Roadmap to Success in Digital Manufacturing & Design	5	5.9.2020
Digital Thread Implementation	5	4.9.2020
Digital Manufacturing & Design	2	2.9.2020
Advanced Manufacturing Process Analysis	3	4.9.2020
Development of Real-Time Systems	5	1.9.2020
Introduction to Electronics	7	30.8.2020
Linear Circuits 1 DC Analysis	7	30.8.2020
Developing Data Products	4	28.8.2020
Embedded Hardware and Operating Systems	4	28.8.2020
Wireless Communications for Everybody	6	1.9.2020
Practical Machine Learning	4	27.8.2020
Regression Models	4	26.8.2020
Cyber Security in Manufacturing	4	2.9.2020
Recommender Systems Capstone	1	26.8.2020
Sequences, Time Series and Prediction	4	22.8.2020
Machine Learning for Data Analysis	4	21.8.2020
Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	4	21.8.2020
Regression Modeling in Practice	4	23.8.2020
Statistical Inference	4	22.8.2020
Convolutional Neural Networks in TensorFlow	4	22.8.2020
Exploratory Data Analysis	4	22.8.2020
Data Analysis Tools	4	21.8.2020
Natural Language Processing in TensorFlow	4	22.8.2020
Advanced Algorithms and Complexity	5	20.8.2020
Machine Learning Clustering & Retrieval	4	10.8.2020
Genome Assembly Programming Challenge	4	20.8.2020
Algorithmic Toolbox	4	20.8.2020

	Algorithms on Strings	4	20.8.2020
	Introduction to Probability and Data with R	4	14.8.2020
	Data Structures	6	20.8.2020
	Bayesian Statistics	5	20.8.2020
	Inferential Statistics	5	14.8.2020
	Data Management and Visualization	4	19.8.2020
	Algorithms on Graphs	6	20.8.2020
	Interfacing with Arduino	4	01.7.2020
	programming to the internet of things project	3	01.7.2020
	Applied Machine Learning in Python	4	13.7.2020
	Bayesian Statistics: From Concept to Data Analysis	4	14.7.2020
	Introduction to Artificial Intelligence (AI)	4	8.9.2020
	Introduction to Satellite Communications	6	05.9.2020
Dr.R.Vinoth	A Complete Reinforcement Learning System (Capstone)	6	18.8.2020
	Advanced Algorithms and Complexity	5	21.8.2020
	Advanced Manufacturing Enterprise	4	5.9.2020
	Advanced Manufacturing Process Analysis	3	5.9.2020
	Advanced Portfolio Construction and Analysis with Python	4	29.7.2020
	Algorithmic Toolbox	6	21.8.2020
	Algorithms on Graphs	6	21.8.2020
	Algorithms on Strings	4	21.8.2020
	Android App Components - Intents, Activities, and Broadcast Receivers	4	22.7.2020
	Android App Components - Services, Local IPC, and Content Providers	4	23.7.2020
	Applied Plotting, Charting & Data Representation in Python	4	3.7.2020
	Applied Social Network Analysis in Python	4	3.7.2020
	Applied Text Mining in Python	4	5.7.2020
	AWS Fundamentals Addressing Security Risk	4	4.7.2020
	AWS Fundamentals Building Serverless Applications	4	4.7.2020
	AWS Fundamentals Going Cloud-Native	4	4.7.2020

AWS Fundamentals Migrating to the Cloud	4	4.7.2020
Bayesian Statistics	5	22.8.2020
Bayesian Statistics From Concept to Data Analysis	4	7.8.2020
Blockchain Platforms	4	15.7.2020
Building Arduino robots and devices	6	12.9.2020
Cluster Analysis in Data Mining	4	10.8.2020
Communication Strategies for a Virtual Age	4	12.9.2020
Concurrency in Go	4	24.7.2020
Convolutional Neural Networks in TensorFlow	4	22.8.2020
COVID-19 Contact Tracing	1	22.6.2020
Cyber Security in Manufacturing	4	2.9.2020
Cybersecurity and Mobility	4	20.8.2020
Cybersecurity and the Internet of Things	4	20.7.2020
Data Analysis Tools	4	18.8.2020
Data Management and Visualization	4	19.8.2020
Data Structures	6	21.8.2020
Data Visualization	4	18.7.2020
Decentralized Applications (Dapps)	4	14.7.2020
Deep Learning in Computer Vision	5	1.7.2020
Development of Real-Time Systems	5	16.7.2020
Digital Manufacturing & Design	2	3.9.2020
Digital Thread Components	3	3.9.2020
Digital Thread Implementation	5	3.9.2020
Embedded Hardware and Operating Systems	4	23.7.2020
End-to-End Machine Learning with TensorFlow on GCP	3	14.7.2020
Exploratory Data Analysis	4	5.7.2020
Functions, Methods, and Interfaces in Go	4	23.7.2020
Getting and Cleaning Data	4	20.7.2020
Genome Assembly Programming Challenge	3	21.8.2020
Getting Started with Go	4	24.7.2020
Image Understanding with TensorFlow on GCP	2	18.7.2020
Inferential Statistics	5	18.8.2020
Intelligent Machining	4	5.9.2020
Interfacing with the Arduino	4	1.7.2020

Introduction to Artificial Intelligence (AI)	4	7.9.2020
Introduction to Electronics	7	2.9.2020
Introduction to Machine Learning	6	6.9.2020
Introduction to Portfolio Construction and Analysis with Python	4	28.7.2020
Introduction to Probability and Data with R	5	1.7.2020
Introduction to Programming with MATLAB	9	8.9.2020
Introduction to Psychology	6	7.9.2020
Introduction to Recommender Systems Non-Personalized and Content-Based	4	5.9.2020
Introduction to Satellite Communications	6	3.9.2020
Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	4	20.7.2020
Java for Android	4	22.7.2020
Leadership and Emotional Intelligence	4	8.9.2020
Learn to Program Crafting Quality Code	5	9.8.2020
Linear Circuits 1 DC Analysis	7	2.9.2020
Machine Learning Algorithms Supervised Learning Tip to Tail	4	14.7.2020
Machine Learning Classification	7	10.8.2020
Machine Learning Clustering & Retrieval	6	10.8.2020
Machine Learning for Data Analysis	4	18.8.2020
Machine Learning Foundations A Case Study Approach	6	28.7.2020
Machine Learning Regression	6	10.8.2020
Mathematics for Machine Learning Linear Algebra	5	9.7.2020
Mathematics for Machine Learning Multivariate Calculus	6	9.7.2020
Mathematics for Machine Learning PCA	4	9.7.2020
Matrix Factorization and Advanced Techniques	6	7.8.2020
MBSE Model-Based Systems Engineering	4	5.9.2020
Measuring and Maximizing Impact of COVID-19 Contact Tracing	2	9.9.2020
Mind Control Managing Your Mental Health During COVID-19	4	11.8.2020
Natural Language Processing in TensorFlow	4	21.7.2020
Natural Language Processing with Classification and Vector Spaces	4	21.7.2020

	Natural Language Processing with Probabilistic Models	4	21.7.2020
	Natural Language Processing with Sequence Models	4	4.8.2020
	Nearest Neighbor Collaborative Filtering	4	7.8.2020
	Population Health During A Pandemic Contact Tracing and Beyond	2	11.8.2020
	Practical Machine Learning	4	6.7.2020
	Prediction and Control with Function Approximation	4	18.8.2020
	Production Machine Learning Systems	2	14.7.2020
	Programming for the Internet of Things Project	4	1.7.2020
	Programming Mobile Applications for Android Handheld Systems Part 1	5	8.8.2020
	Python Programming Essentials	4	7.8.2020
	R Programming	4	1.7.2020
	Recommender Systems Evaluation and Metrics	4	7.8.2020
	Regression Modeling in Practice	4	22.8.2020
	Regression Models	4	8.7.2020
	Reproducible Research	4	9.8.2020
	Roadmap to Success in Digital Manufacturing & Design	5	5.9.2020
	Sample-based Learning Methods	5	18.8.2020
	Sequences, Time Series and Prediction	4	22.8.2020
	Smart Contracts	4	14.7.2020
	Statistical Inference	4	4.7.2020
	Structuring Machine Learning Projects	2	26.6.2020
	Text Mining and Analytics	6	18.7.2020
	Text Retrieval and Search Engines	6	18.7.2020
	The Data Scientist's Toolbox	4	5.7.2020
	Understanding Research Methods	4	11.9.2020
	Wireless Communications for Everybody	6	3.9.2020
Mr.N.S.Yoga ananth	Mind Control : Managing your mental health during COVID-19		11.8.2020
Ms.P.Mathina	Facial Expression Recognition with Keras	1	9.6.2020
	Introduction to Python	1	11.6.2020
	Creating Your First C++ Application	1	27.6.2020

Using Google Forms to Analyze User Research Data	1	27.6.2020
Introduction to HTML	1	27.6.2020

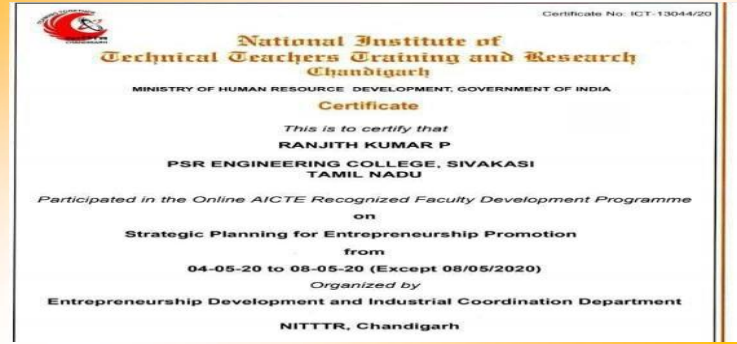
Online Courses Attended:

Faculty Name	Title of the professional development program	Date and Duration (from – to)
Dr.P.Marichamy	Spoken Tutorials- Moodle test for Teachers	04.05.2020
Dr.K.Valarmathi	AICTE Recognized FDP on Neural Networks and CNN	11.05.2020 to 15.05.2020
	Faculty Development Programme on Artificial Intelligence	22.05.2020 to 26.05.2020
	ATAL FDP on Data Science	18.04.2020 to 22.04.2020
	DATASKILLS FDP on Excel for Professionals	15.04.2020 to 19.04.2020
	NITTTR FDP Modeling and Simulation using MATLAB	18.05.2020 to 22.05.2020
Dr.P.Ranjithkumar	NITTTR FDP on Strategic planning and Entrepreneurship promotion	04.05.2020 to 08.05.2020
Dr.SureshPandiyarajan	FDP on AI conducted by Vignan's Institute of Engineering for Women	22.05.2020 to 26.05.2020
	FDP on Effective and Instructive Research at Sona College, Salem	04.05.2020 to 10.05.2020
	Nanobiotechnology and its Applications at KarpagaVinayaga College of Engg& Tech	25.04.2020 to 30.04.2020
Dr.P.Karuppasamy	ATAL FDP on Data Science	20.04.2020 to 24.04.2020
	NITTTR FDP on IOT	15.04.2020 to 19.04.2020
	NITTTR FDP on Microcontroller	27.04.2020 to 01.05.2020
	NITTTR FDP on Neural networks and CNN	11.05.2020 to 15.05.2020
	IEEE Electric Vehicle	06.05.2020 to 09.05.2020
	FDP on Artificial Intelligence	22.05.2020 to 26.05.2020
	NITTTR FDP on Technological Intervention using Wireless Communication	18.05.2020 to 22.05.2020
Dr.Vinoth	IIC of MHRD Innovation cell-Online Sessions conducted by IIC-MIC in the areas of Innovation, IPR, Entrepreneurship, and Start-ups	28.04.2020 to 22.05.2020
	NITTTR FDP on Technological Intervention using Wireless Communication	18.05.2020 to 22.05.2020
	NITTTR on 8051 Microcontroller and its Applications	27.04.2020 to 01.05.2020
	AICTE Recognized FDP on Academic Leadership Enhancement in Technical Institutions	04.05.2020 to 08.05.2020
	NITTTR FDP on AI	22.05.2020 to 26.05.2020
	FDP on Effective and Instructive Research at Sona College, Salem	04.05.2020 to 10.05.2020
	NITTTR FDP on IOT	15.04.2020 to 19.04.2020
	NITTTR on Low Power VLSI Design	20.04.2020 to 24.04.2020

	NAAC revised Accreditation Framework 2020	11.05.2020 to 15.05.2020
	Scope of AI and ML algorithm at Velalar College of Engg and Tech	11.05.2020 to 17.05.2020
	Nanobiotechnology and its Applications at Karpaga Vinayaga College of Engg & Tech	25.04.2020 to 30.04.2020
	NITTTR FDP on Neural networks and CNN	11.05.2020 to 15.05.2020
Dr.R. Senthil Ganesh	Spoken Tutorials on FDP on Latex Programming	30.04.2020 to 04.05.2020
	FDP on Knowledge sharing on recent trends and its application in electronics	03.05.2020 to 07.05.2020
	FDP on Excel for Professionals	15.04.2020 to 19.04.2020
	NITTTR on 8051 Microcontroller and its Applications	27.04.2020 to 01.05.2020
	NITTTR on Internet of Things	15.4.2020 to 19.04.2020
	NITTTR on Low Power VLSI Design	20.04.2020 to 24.04.2020
	Workshop on Online workshop for teachers	21.04.2020 to 30.04.2020
	FDP on Artificial Intelligence	22.05.2020 to 26.05.2020
	FDP on Deep Neural Networks and Expert Systems	25.05.2020 to 29.05.2020
	NITTTR on Academic Leadership Enhancement in Technical Institutions	04.05.2020 to 08.05.2020
	NITTTR FDP on Neural Networks and CNN	11.05.2020 to 15.05.2020
Mr.S.Balasubramanian	SIT FDP on Exploring tools on disruptive technologies	11.05.2020 to 16.05.2020
	NITTTR STCon IOT	15.04.2020 to 19.4.2020
	ATAL FDP on Artificial Intelligence	24.4.2020 to 28.4.2020
	ATAL FDP on Robotics	2.5.2020 to 6.5.2020
Mr.G.Lingasamy	NITTTR FDP on Academic Leadership Enhancement in Technical Institutions	4.5.2020 to 8.5.2020
	NITTTR FDP on Neural networks and CNN	11.5.2020 to 15.5.2020
	NITTTR FDP on Leadership and Teamwork for Performance Excellence	18.5.2020 to 22.5.2020
	Dataskills-Training on Microsoft Excel for Professionals and students	15.4.2020 to 19.4.2020
Mr.S.Athimoolam	AWS-IOT - Edge of cloud computing	15.4.2020
Mr.R.Arunkumar	Spoken Tutorials-MOODLE LMS	4.5.2020
Mr.R.Arunkumar	FDP on ARTIFICIAL INTELLIGENCE	22.5.2020 to 26.5.2020
	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
	NITTTR FDP on IOT and 8051 MICROCONTROLLER AND ITS APPLICATIONS	27.4.2020 to 1.5.2020
	AICTE FDP on Data Science	18.4.2020 to 22.4.2020
	GUVI-STEP IN TO RPA	7.5.2020
	MathWorks-DEEP LEARNING ON RAMP	20.5.2020
	DATASKILLS-MICROSOFT EXCEL FOR PROFESSIONALS AND STUDENTS	15.4.2020 to 19.4.2020

	CIT-Virtual Teaching	29.4.2020 to 30.4.2020
Mr.S.N.YogaAnanth	AICTE-ATAL on Artificial Intelligence	24.4.2020 to 28.4.2020
	NITTTR-FDP on IOT	15.4.2020 to 19.4.2020
	IEEE STUDENT BRANCH-Research Paper & Project Proposal Writing	15.5.2020 to 16.5.2020
	NITTTR-FDP-Linux Applications in Engineering Education	27.4.2020 to 1.5.2020
	National youth council of india-Artificial Intelligence	22.5.2020 to 26.5.2020
Mrs.K.Ramalakshmi	AICTE Recognized FDP on Neural Network and CNN	18.5.2020 to 22.5.2020
	NITTTR FDP on IOT	10.4.2020 to 14.4.2020
	NITTTR FDP on Technological Intervention using Wireless Communication	18.5.2020 to 22.5.2020
	AICTE Recognized FDP on Low Power VLSI Design	20.4.2020 to 24.4.2020
	AICTE Recognized FDP on Academic Leadership Enhancement in Technical Institutions	4.5.2020 to 8.5.2020
	Training Programme on Microsoft Excel for Professionals & Students	15.4.2020 to 19.4.2020
	Spoken Tutorials on LaTeX Spoken Tutorial	30.4.2020 to 4.5.2020
Mrs.A.Mathina	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
	AICTE Training And Learning (ATAL) Academy-Data Sciences	20.4.2020 to 24.4.2020
	AICTE Training And Learning (ATAL) Academy-Artificial Intelligence	27.4.2020 to 1.5.2020
	NPTEL / SWAYAM FDP -Image and Embedded Processing	11.5.2020 to 15.5.2020
Mrs.P.Lingeswari	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
	NITTTR FDP on Modeling and Simulation using MATLAB	18.5.2020 to 22.5.2020
Mrs.P.Krishnaleela	NITTTR FDP on 8051 microcontroller and its applications	27.4.2020 to 1.5.2020
	NITTTR FDP on Neural networks and CNN	11.5.2020 to 15.5.2020
	FDP on Embedded C Programming for 8051 microcontroller JP Arts and science college	28.5.2020 to 3.6.2020
	FDP on Artificial Intelligence Vignans institutions technology for women	22.5.2020 to 26.5.2020
	NITTTR FDP on Technological Intervention using Wireless Communication	18.5.2020 to 22.5.2020
Mrs.M.Vimala	ATAL FDP on Artificial Intelligence	24.4.2020 to 28.04.2020
	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
Ms.S.Mahalakshmi	ATAL FDP on Data Science	20.4.2020 to 24.4.2020
	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
	NITTTR, Short term course on 8051 and its Application	27.4.2020 to 1.5.2020
Ms.M.Indhumathi	NITTTR FDP on Academic Leadership Enhancement in Technical Institutions	4.5.2020 to 8.5.2020
	NITTTR -STC on 8051 Microcontroller and its Applications	27.4.2020 to 1.5.2020

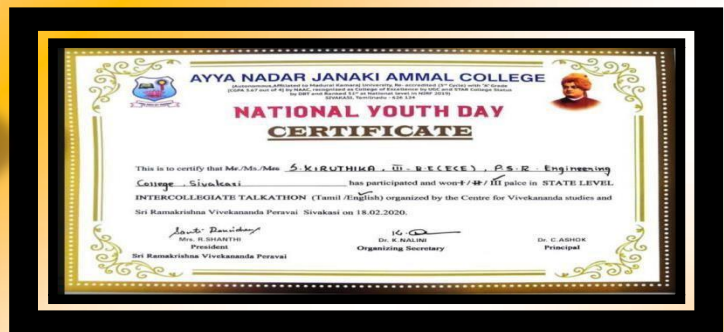
	NITTTR FDP on Neural networks and CNN	11.5.2020 to 15.5.2020
	NITTTR on Technological interventions using wireless communication	18.5.2020 to 22.5.2020
Ms.V.Greeshma	FDP on AI conducted by Vignan's Institute of Engineering for Women	22.5.2020 to 26.5.2020
	FDP on Effective and Instructive Research at Sona College, Salem	4.5.2020 to 10.5.2020
Ms.M.C.Kalaiselvi	NITTTR, Short term course on IOT	15.5.2020 to 19.5.2020
	NITTTR, Short term course on 8051 and its Application	18.5.2020 to 22.5.2020
	NITTTR, Short term course on Neural Networks and CNN	11.5.2020 to 15.5.2020
	Spoken Tutorials-MOODLE LMS-Online FDP on R Programming	23.4.2020 to 28.4.2020
Ms.M.Rajkumari	Fdp on Deep neural networks and expert Systems	25.5.2020 to 29.5.2020
	NITTTR, Short term course on 8051 Microcontroller and its Application	27.4.2020 to 1.5.2020
	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
	ATAL FDP on Data Science	20.4.2020 to 24.4.2020
	NITTTR FDP on Technological Intervention using Wireless Communication	18.5.2020 to 22.5.2020
	NITTTR FDP on Image and Embedded processing	11.5.2020 to 15.5.2020
Mrs.D.Supriya	NPTEL/Swayam FDP on IOT	15.4.2020 to 19.4.2020
	NITTTR on 8051 Microcontroller and its Applications	27.4.2020 to 1.5.2020
Ms.B.Dhanam	NITTTR on 8051 and its Applications	18.5.2020 to 22.5.2020
	NITTTR FDP on Academic Leadership Enhancement in Technical Institutions	4.5.2020 to 8.5.2020
	NITTTR FDP on Image and Embedded processing	27.4.2020 to 1.5.2020
	NITTTR FDP on Low Power VLSI	20.04.2020 to 24.04.2020
	NITTTR FDP on Recent Trends in VLSI Design	25.05.2020 to 29.05.2020
	NITTTR FDP on Research Oriented Project Work	11.5.2020 to 15.5.2020
	NITTTR FDP on IOT	15.4.2020 to 19.4.2020
	ATAL FDP on Sensors Technology	23.11.2020 to 27.11.2020
	ATAL FDP on Block Chain Technology	05.01.2020 to 09.01.2020
	NITTTR FDP on AI	22.5.2020 to 26.5.2020
	FDP on Effective and Instructive Research at Sona College, Salem	25.4.2020 to 30.4.2020
Dr.S.Thayammal	AICTE-ATAL FDP on Artificial Intelligence PANIMALAR ENGINEERING COLLEEG	16.11.2020 – 20.11.2020
	AICTE – STTP on Data Science: Unfolding Layers of Knowledge, ACROPOLIS INSTITUTE OF TECHNOLOGY AND RESEARCH, INDORE	14.12.2020 – 19.12.2020



IV Year ECE:

Award Details:

Final Year ECE **S.Kiruthika** achieved Third prize in TALKATHON Conducted by ICT Academy during



**Industrial Training Program:
III ECE:**

NAME OF THE STUDENT	TITLE	PLACE	DURATION
P.Senthurpandi	Introduction to IOT	CISCO Networking Academy-ICT Academy	MAY 2020
P.Srinivas	Introduction to Packet Tracer Course, Introduction to IOT, Enterpreneurship, Cybersecurity Essentials	CISCO Networking Academy-ICT Academy	MAY 2020

Journals /Conference Publication:

IV ECE:

NAME OF THE STUDENT	PAPER TITLE	PLACE	DURATION
M.Kanagalakshmi K.M Karthikeswari	Introduction to MATLAB for smart energy system	P.S.R Engineering college	24.01.2020
B.Lalithambigai R.Nagajothi P.Dhanapriya	Integrating Arduino based Educational mobile robots in ROS	National Conference on Computer, Electrical and Electronics Engineering (NC ² E ² '19) at P.S.R.Rengasamy College of Engineering for women	01.03.2020
P.Nandhini	Mixed reality		
B.Gayathri S.Anitha P.Muthupetchi S.Mareeswari	3D Password		
P.Archana V.DaisyRani A.Madhumadhi	IoT based Home Automation Control System using Raspberry Pi		
A.KavithaLakshmi M.Muthulakshmi	Wireless Communication		
C.LishaRamya K.Gowsalya S.Kiruthika	BlueEye Technology		
G.Archana A.Aishwarya	Paper Battery		
V.Lavanya J.chitra	Li-Fi Technology		
S.Anuprathaa P.Dhanapriya P.Dhanapriya S.Karthigailakshmi	IOT based Smart Agriculture		
K.Mamthakrishnan	Internet of Things		
S.Guruchitra(III Year)	Internet of Things	P.S.R Engineering College	6.2.2020 & 7.2.2020

Workshops Attended:

NAME OF THE STUDENT	COURSE TITLE	ORGANISER	DURATION	DAYS
N.Premkumar S.Satheeskumar P.Senthurpandi P.Srinivas	Ethical Hacking	Government College of Engineering Tirunelveli	02.03.2020- 03.03.2020	2
S.M.Srikanth P.Srinivas S.Vijaykumar R.Vijayprakash	Ethical Hacking	Government College of Engineering Tirunelveli	02.03.2020- 03.03.2020	2
V.Dasiy rani	Awesome Day	AWS	13.05.2020	1
	AWS Summit Online		13.05.2020	
	AWS Innovate		19.02.2020	

Webinar Attended:

- Our II Year, III year, IV Year students attended numerous webinars conducted by Various Colleges.

NAME OF THE STUDENT	TITLE	PLACE	DURATION
P.Prathika	Attended Webinar on Emerging Technologies	Easwari Engineering College, Chennai	28.03.2020
	Attended Webinar on Virtual and Augmented Reality		29.03.2020
S Muneeswar	Webinar on PCB Designing	Crystal Clear Technology and Solution, Coimbatore	28.04.2020
	Webinar on "Basics of Electronics"	Crystal Clear Technology and Solution, Coimbatore	29.04.2020
	Webinar on Arduino (Embedded)	Crystal Clear Technology and Solution, Coimbatore	30.04.2020
K Durgadevi	IOT using Arduino	PSR College of Engineering association with Pantech Solutions	13.5.2020
G.Soniya	Key to Success	seminar	27.5.2020
R.Jeyachandrapandian	Knowledge Time	seminar	27.5.2020
Y Ravi	Knowledge Time	seminar	27.5.2020
S.Viji Arthi	Knowledge Time	seminar	27.5.2020
M.Yuvashree	Introduction to IOT	Cisco(ICT academy)	26.05.2020- 27.05.2020

	Machine learning on RAMP		25.05.2020-26.05.2020
S.Selvalakshmi	You can do it	ICT academy	20.05.2020
	Opportunities for Engineers @DRDO	Chennai Institute of Technology	25.05.2020
	Key to Success	ICT academy	27.05.2020
S.Saranya	Dare to win		27.05.2020
R.Sabeetha	You can do it	ICT academy	20.05.2020
	Cyber security essential		24.05.2020
	Machine learning		24.05.2020
	Deep learning		19.05.2020
	Introduction to IOT		20.05.2020
	steperthon		20.05.2020
New India learnerthon	23.05.2020		
M.Reshma	Key to success	ICT academy	27.05.2020
M.R.Suvetha	Deep learning	ICT academy	29.05.2020
	Machine learning		29.05.2020
	Cyber security essential		29.05.2020
	Introduction to packet tracer		29.05.2020
	Enterpreneurship		30.05.2020
	Introduction to IOT		29.05.2020
Introduction to cybersecurity	29.05.2020		
S.Sridevi	You can do it	ICT academy	20.05.2020
	Intro to iot		20.05.2020
	Electric vehicle design	Pantech	15.05.2020
	Trends and technologies on vlsi		17.05.2020
S.Padmavathy	You can do it	ICT Academy	20.05.2020
	Key to success		27.05.2020
	Opportunities for engineers at DRDO	Chennai institute of technology	25.05.2020
P.Subalakshmi	Key to success		27.05.2020
	Dare to win	ICT Academy	10.06.2020
	Chasing the dream		19.06.2020
K.Nandhini	You can do it	ICT Academy	20.05.2020
	STEPATHON		20.05.2020
	Machine learning onramp		24.05.2020
	Deep learning onramp	ICT Academy (Mathwork)	19.05.2020
	Cybersecurity Essentials	ICT Academy(cisco)	24.05.2020
	Introduction to IOT	ICT Academy	20.05.2020
	Trends and Technologies on VLSI		17.05.2020
	Electric vehicle design	Hindustan institute of technology & Science(pantech)	15.05.2020
	Renewable energy using MATLAB	GCE(pantech)	16.05.2020
	Deeplearning using python	Pantech E-Learning	20.05.2020
	How ML Works for		18.05.2020

	openCV Applications		
	Machine learning	IETE(Pantech)	02.05.2020
	ML for health care Application	Sreyas Institute Care Application	21.05.2020
	You can do it	ICT Academy	20.05.2020
	New India LEARATHON		23.06.2020
V.Srilekha	Key to success	ICT Academy	27.05.2020
S.Selvanandhini	Stepathon	ICT Academy	30.05.2020
	Enterpreneurshp		29.05.2020
	Introduction to IOT	ICT Academy (Cisco)	28.05.2020
	Cybersecurity Essentials		28.05.2020
	Introduction to Packet Tracer		28.05.2020
	Machine Learning on RAMP	ICT Academy Mathworks	28.05.2020
	Deep Learning on RAMP		27.05.2020
	Opportunities for Engineers@DRDO	Chennai Institute of Technology	25.05.2020
	Roles of IOT on Industrial Applications	Pantech Solutions	21.05.2020
A.Aishwarya	You can do it	ICT academy	20.05.2020
S.Anitha	Image processing	PSR Engineering college	8.05.2020
	Recent trend in electronics using Matlab	St.peters engineering college	22.05.2020
	Power seminars	ICT	22.05.2020
	You can do it		20.05.2020
S.Anuprathaa	Key to success	ICT Academy	27.05.2020
	Low power VLSI and Design	Pantech Solutions	24.05.2020
G.Archana	you can do it	ICT academy	20.05.2020
	key to success		27.05.2020
P.Archana	key to success	ICT academy	27.05.2020
	you can do it		20.05.2020
	Image processing using python	Pantech	12.05.2020
	Low power VLSI		24.05.2020
R.Brindha	You can do it	ICT academy	20.05.2020
J.chitra	You can do it	ICT academy	20.05.2020
	key to success		27.05.2020
V.Dasiy rani	You can do it	ICT Academy	20.5.2020
	Deep learning		16.5.2020
	Machine learning		16.5.2020
	Introduction of iot		10.5.2020
	Cisco cyber security		10.5.2020
	Cisco packet tracer		10.5.2020
	Entrepreneurship		

	Software defined storage concept		10.5.2020
	Network visualization concept		18.5.2020
	Machine learning	Pantech solutions	2.5.2020
	Image processing		8.5.2020
	Internet of things		04.05.2020
B.Gayathri	Image processing	PSR Engineering college	08.05.2020
	Recent trends electronics using matlab	St.Peters engineering college	22.05.2020
	Power seminars	ICT Academy	22.05.2020
	You can do it		20.05.2020
Next generation chip design	Francis Xavier Engineering college	13.05.2020	
K.Gowsalya	you can do it	ICT Academy	20.05.2020
	key to success		27.05.2020
M.Kanagalakshmi	EDII-TN activities and its benefits to spoke college	ICT Academy	22.05.2020
S.KarthigaiLakshmi	You can do it	ICT Academy	20.05.2020
K.M Karthikeswari	Image processing	P.S.R Engineering college	08.05.2020
	Power seminar	ICT Academy	22.05.2020
A.Kavithalakshmi	Scrum frame work	Ramco institute of Technology	30.05.2020
	Introduction of EV India	Kalasalingam Institute of technology	30.05.2020
S.Kayathri	Power seminar	ICT Academy	22.05.2020
S.Keerthana	Power seminar	ICT Academy	22.05.2020
V.keerthika	Key to success	ICT Academy	27.05.2020
	Low power VLSI and Design	Pantech solutions	24.05.2020
S.Kiruthika	You can do it	ICT Academy	20.5.2020
	Key to success		27.05.2020
	Sky is not limit		30.05.2020
	Machine learning	Pantech solutions	02.05.2020
K.Kowsalya	EDII-TN activities and its benefits to spoke college	ICT Academy	22.05.2020
L.Lakshmipriya	Power seminar	ICT Academy	22.05.2020
B.Lalithambigai	.You can do it	ICT Academy	20.05.2020
	Key to success		27.05.2020
	Case studies of construction errors	Ramco institute of technology	30.05.2020

V.Lavanya	You can do it	ICT Academy	20.05.2020
	key to success		27.05.2020
C.Lisharamya	you can do it Machine learning Cisco cybersecurity	ICT Academy	20.05.2020
	Deep learning		21.05.2020
	Introduction to IOT		24.05.2020
	Enterpreneurship Cisco packet tracer		27.05.2020
A.Madhumathi	You can do it	ICT Academy	20.05.2020
S.Mareeswari	You can do it	ICT Academy	20.05.2020
	Image processing openCV	Pentech solutions	08.50.2020
	Machine learning		02.05.2020
N.Monisha	Image processing	P.S.R Engineering college	08.05.2020
	Power seminars	ICT Academy	22.05.2020
P.Muthupreetha	You can do it	ICT Academy	20.05.2020
M.Muthulakshmi	You can do it	ICT Academy	20.05.2020
	IIOT-IT,Integration	Sri Eshwar college of engineering, Chennai	29.05.2020
P.Nandhini	Key to success	ICT Academy	27.05.2020

Name of the student	Organizing Agency	Title	Duration	Date (From-To)
P Vinothini	ICT ACADEMY	NEW INDIA LEARNATHON	8 weeks	MAY-JUNE 2020
L Prasanthini	ICT ACADEMY	NEW INDIA LEARNATHON	8 weeks	MAY-JUNE 2020
R.PriyaJaiRoshini	ICT ACADEMY	NEW INDIA LEARNATHON	8 weeks	MAY-JUNE 2020
G Sathya Sree	ICT ACADEMY	NEW INDIA LEARNATHON	8 weeks	MAY-JUNE 2020
S.Srivathsala	KR College of Arts and Science, Kovilpatti	E-Quiz on Algebra	1 day	8.7.2020
	PSR Engineering	Career options and opportunities in Electronics	1 day	12.6.2020

	college	Engineering		
T.Sivakumar	Crystal Clear Technology and Innovation, Coimbatore	Webinar on Drone	1 day	20.6.2020
M varshini	Skycampus-power seminar	Chasing the dream	1 day	13.6.2020
Y.RAVI	ARDUINO, PCB Design, LabVIEW	PS R engineering college	1 day	13.6.2020
S.Guruchitra	ICT academy	Chasing the dream	1 day	19.6.2020
	ICT academy	Dare to win	1 day	10.6.2020
	ICT academy	Sky is not the limit	1 day	4.6.2020
	PSR Engineering College	Career options and opportunities in electronics engineering	1 day	12.6.2020
	IEEE-webinar by PSREC	IEEE xplore digital library training	1 day	24.6.2020
P.Muthamilselvi	ICT academy	Sky is not the limit	1 day	04.6.2020
	PSR Engineering College	Career options and opportunities in electronics engg	One day	12.6.2020
D.Andal	Skycampus	Dare to win	One day	10.6.2020
	Raja Engg College-Mech Engg	MECH KNSK E-QUIZ 2020		20.6.2020
R.Priya jai Roshini	Braino vision- E-Workshop	Dart Programming language	One day	27.7.2020
	STTP	Programming enhanced Mid range Microcontroller using MPLABX IDE and Digital Proteus	3 days	20.7.2020-22.07.2020
	PSR Engg College	Carrier options and opportunities in Electronics Engineering	One day	12.6.2020
Janani.R	Shaw academy	Advanced diploma in traders progamme	6 weeks	28.08.2020
M.Mahendrakumar	Google	Fundamentals of digital marketing	1 day	28.6.2020
S.Nandhini Devi	Microsoft	Participated Microsoft Classroom Series in AI	1 day	21.12.2020
B.Sathees Kumar	Microsoft	Participated Microsoft	1 day	21.12.2020

		Classroom Series in AI		
R.Sowmiya	Microsoft	Participated Microsoft Classroom Series in AI	1 day	21.12.2020
N.Vaikunda Muthu	Microsoft	Participated Microsoft Classroom Series in AI	1 day	21.12.2020

Coursera Courses Attended:

NAME OF THE STUDENT	NAME OF THE COURSE	Date(From-To)
P.Nandhini	Machine Learning	3.03.2020
S.Karthigai Lakshmi	1.Programming for everybody (getting started with python)	18/02/2020(2 weeks)
	2.Python Basics	28/03/2020(2 weeks)
S.Padmavathy	Introduction to Big data	19.05.2020
B.Gayathri	Introduction to Pschycology	12.05.2020-15.05.2020
	Cloud Computing applications part 1: cloud systems and Infrastructure	20.05.2020-25.05.2020
K.Gowsalya	Programing For Everybody(Getting Started With Python)	19.06.2020
G.Sivaranjani	Introduction to big data, introduction to cyber security, introduction to lot, introduction to packet tracer, entrepreneurship, deep learning onramp.	13.5.2020 to 19.5.2020
P.Archana	Verb Tenses and Passives	25.5.2020 to 17.6.2020
	Machine Learning Foundations: A Case Study Approach	25.4.2020 to 20.5.2020
V.Daisyrani	Phython Data Structures	27.5.2020(3Weeks)
	Programming for Everybody(Getting Started with Python)	29.5.2020
	Introduction to cyber Security Tools and Cyber Attacks	24.5.2020
	Introduction to DataScience in Python	9.5.2020
Lalithambigai	Covid 19contact tracing	24.5.2020
	Competitive strategy	23.5.2020
S.Kiruthika	Introduction to Big Data	21.5.2020(3 weeks)

	Cyber security Essentials	21.5.2020
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S. Karthigai Lakshmi	Coursera	Introduction to Data Science in Python	Two weeks	2.6.2020
	Coursera	Introduction to Artificial Intelligence(AI)	Two weeks	2.06.2020
	Coursera	Use Canva to Create Social Media Marketing Designs	Two weeks	1.9.2020
C.Lisha rama	Coursera	Python	1month	5.7.2020
Archana.P	Coursera	Programming for Everybody (Getting Started with Python)	3 weeks	10.10.2020 - 3.11.2020
Y.Ravi	Couresera	C++ Application	4 weeks	4.6.2020 - 11.6.2020
	Couresera	Fundamentals of Network communication	4 weeks	4.6.2020 - 11.6.2020
R.Priya jai Roshini	Coursera	HTML and CSS-Building a single phase website	4 weeks	18.8.2020
	Coursera	Introduction to web development	4 weeks	20.8.2020
G Sathya Sree	course era	Block chain	1 day	8.7.2020
		Cloud Computing		
		Oops with java		
		Python		
		Neutral networking		
		Introduction to search Engine		

Extra curricular activities:

- ECE students won the online awareness Quiz competitions, Contests, Essay writing competitions and received E-Certificates from various colleges.

M.Muneeswari S.Nandhinidevi C.Petchimuthu Sangeetha Selvaraj B.Sathees Kumar G.Subhaash	Tamil Nadu State Aids Control Society (TANSACS),	State level Online Quiz Competition on HIV/AIDS &STI and Covid-19 pandemic	30.12.2020
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M.Nivethika	Virudhunagar Hindu Nadars' Senthikumara Nadar College	Participated in the Talent Competition in online and passed in the exam	15.07.2020
N.Jeyashree	Government Polytechnic, Dharmavaram	Completed an Online Exam On English language in Use	05.08.2020
M.Jeya jothi	Ramco Institute of Technology, Rajapalayam	Participated in Independence Day Contest-2020 and secured I position in the Drawing competition on the theme "Corona Warriors"	15.08.2020
M.Nivethika	Holy Cross College, Nagercoil.	Participated in the awareness quiz on International Day for Biological Diversity 2020	
V.Pragatheswari	Ramco Institute of Technology, Rajapalayam	Participated in NSS Day Celebrations- 2020 and secured III position in the Essay writing(English)	24.09.2020-27.09.2020
		Participated in the "Essay Writing Competition on the Theme: Role of Youth in Development of a Nation"	
M.Nivethika	Ayyanadar Janaki Ammal Polytechnic College, Sivakasi	Awarded Excellence Performance in Online quiz on "English Grammar"	7.12.2020
R.Dharmalakshmi & M.Dharshini	Tamil Nadu State Aids Control Society (TANSACS),	State level Online Quiz Competition on HIV/AIDS & STI and Covid-19 pandemic	30.12.2020
M.Jeya jothi	My Gov	'Farmers First Quiz' 'Constitution Quiz'	30.12.2020
	My Gov Manipur.	Kisan Diwas Quiz	30.12.2020
P.Kokila	Tamil Nadu State Aids Control Society (TANSACS),	State level Online Quiz Competition on HIV/AIDS & STI and Covid-19 pandemic	30.12.2020
K.Mala Dhanalakshmi	Tamil Nadu State Aids Control Society (TANSACS),	State level Online Quiz Competition on HIV/AIDS & STI and Covid-19 pandemic	30.12.2020
	Participated in the Gender Sensitization & Legal Awareness Quiz	My Gov	30.12.2020
B.Gayathri.	P.S.R.Engineering College	Webinar on COVID 19 Pandemic Awareness	30.4.2020
P.Nandhini	Sethu Institute of Technology	Covid -19 quiz	26.5.2020
B.Lalithambigai	Sri Eswar College of Engineering	You can become an Entrepreneur	23.6.2020
S.Anitha	Malineni Perumallu, Andra	World Environment Day Online Quiz	4.6.2020 to 6.6.2020
A.Aishwarya	Sethu Institute of Technology	Quiz-Covid 19	26.5.2020

B.Gayathri	Thiyagarajar college of engineering	Quiz on Covid 19 awareness program	07.05.2020
	G. Venkataswamy Naidu College , Kovilpatti	National level E-Quiz	19.05.2020
S.Anitha	DKM College for women, Vellore	E-Quiz on Big Data Analytics	9.6.2020
S.Anitha	The New College (Autonomous), Chennai	E-Quiz on World Ocean Day	6.8.2020
M.Reshma	Newton Institute of Science and Technology	Dart Programming language	27.7.2020

PLACEMENT DETAILS

Our IV Year ECE students were placed in various companies.



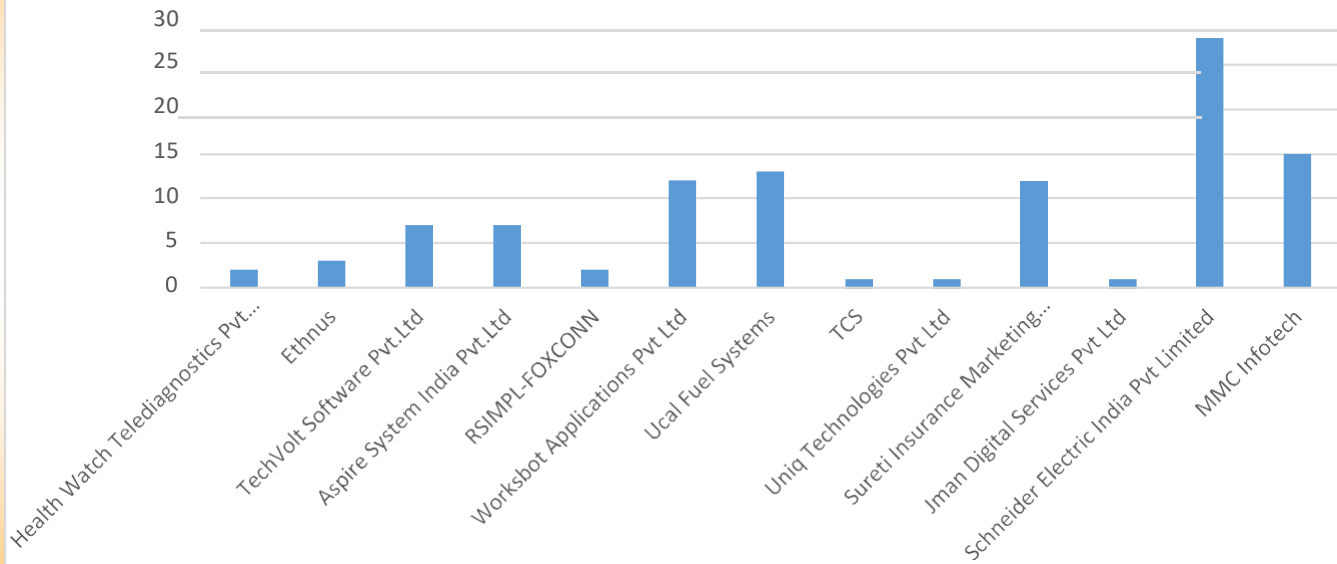
PLACED STUDENTS LIST:

COMPANY NAME	STUDENT NAME
Health Watch Telediagnosics Pvt Ltd	Aarthy. J Indira. G
Ethnus	Rames S SuriyaPriya R K Kokila K
TechVolt Software Pvt.Ltd	Deepalakshmi. K. S Dhanalakshmi. M Ganesh Kumar. B Hariharan. R Murugan C

	Nagaraj M Chitra
Aspire System India Pvt.Ltd	Deepalakshmi. K. S Dhanalakshmi. M Ganesh Kumar. B Hariharan. R Murugan C Nagaraj M Chitra
RSIMPL-FOXCONN	Rathika R Induja
Worksbot Applications Pvt Ltd	Aravinth. R ManojSrithar.M Ponraj.A Muthumani S Suresh Kannan V Thirumalaimurugan K Yatheendirarajan T Prabakar M Ramesh S Parthasarathi P Gowtham Kumar. C Muthukumar P
Ucal Fuel Systems	Ganesh. R Arunkumar. M Gohula Krishnan. K Kannan. G Karuppasamy. M Maharaja. M Muthusamy.M NavaneethaVenkatesan P Pandeewaran S G.SakthiPandi Saravana Kumar N Selva Kumar M Sridharan N
TCS	KarthigaPriya. P
Uniq Technologies Pvt Ltd	Surya Prakash S
Sureti Insurance Marketing Private Ltd	Deepika. P Marunmani P Soundhara Kumar S Sundaralakshmi M Vidhya K Esakkiammal. V Kowsalya. K Pavithra Darwin K Santhiya V Sathya S Ramesh S Parthasarathi P
Jman Digital Services Pvt Ltd	Kanimozli. G
Schneider Electric India Pvt Limited	Abinaya.S

	<p>AjithaPriya. M BeautlinBlesso. P Ganga Devi. N Girha Lakshmi. R Gopikashree. S Jothimeena. A Karthika. C Keerthana. T Madumidha. P MuthuMalathy N Mariammal R PathmaPriya A Priyadharshini M Subitsha R Surya E Swetha S Umamaheswari K Vairalakshmi V Bhuvaneswari.K Vidhya K Esakkiammal. V Kowsalya. K Pavithra Darwin K Santhiya V Sathya S Ramesh S Parthasarathi P</p>
MMC Infotech	<p>Abinaya. P Kaleeswari. P Kavibharathi. A Kowsalya. M Madhanki. G Manimegalai S PremaKarthika S Selva Kumar M Esakkiammal @RachanaDevi.R Muthumanipandi.M Padma Priya.B Gowtham Kumar. C Muthukumar P Gowtham. T Kokila K</p>

Placed students



Name of the Company	No.of.students placed
Health Watch TelediagnosicsPvt Ltd	2
Ethnus	3
TechVolt Software Pvt.Ltd	7
Aspire System India Pvt.Ltd	7
RSIMPL-FOXCONN	2
Worksbot Applications Pvt Ltd	12
Ucal Fuel Systems	13
TCS	1
Uniq Technologies Pvt Ltd	1
Sureti Insurance Marketing Private Ltd	12
Jman Digital Services Pvt Ltd	1
Schneider Electric India Pvt Limited	28
MMC Infotech	15

Students Placed with Multiple offers:

COMPANY NAME	STUDENT NAME
1.Worksbot Applications Pvt Ltd 2.Sureti Insurance Marketing Private Ltd 3.Schneider Electric India Pvt Limited 4.Ethnus	Ramesh S
1.Worksbot Applications Pvt Ltd 2.Sureti Insurance Marketing Private Ltd 3.Schneider Electric India Pvt Limited	Parthasarathi P
1.Worksbot Applications Pvt Ltd 2.MMC Infotech	Gowtham Kumar. C Muthukumar P
1.Techvolt Software Pvt.Ltd 2.MMC Infotech	Gowtham. T

1.Techvolt Software Pvt.Ltd 2.Ethnus	Suriyapriya R K
1.Sureti Insurance Marketing Private Ltd 2.Schneider Electric India Pvt Limited	Esakkiammal. V Kowsalya. K Pavithra Darwin K Santhiya V Sathya S
1.RSIMPL-FOXCONN 2. Schneider Electric India Pvt Limited	Rathika.R
1.MMC Infotech 2.Ethnus	Kokhila. K
1.Aspire Systems (India) Pvt Ltd 2,Techvolt Software Pvt.Ltd	Deepalakshmi. K. S Dhanalakshmi. M Ganesh Kumar. B Hariharan. R Murugan C Nagaraj M Chitra A

Social Awareness Activities



“Women Health Awareness Program” was conducted by Women Empowerment Cell having Dr.Thenmozhi Subramanian M.B.B.S,DGO as the chief guest on 27.01.2020.

On 01-02-2020,Our department Organized Awareness Program On “Disaster Management”.

Dr. V. R . Bharat Kumar M. B. B. S.,M.S. Govt Hospital, Sivakasi was the chief Guest and delivered about the known & Unknown disasters and also insisted how to protect us from all the disasters.



11:21 AM
SATURDAY, 01 FEB

P.S.R. ENGINEERING
LONGITUDE 77.628847 77°37'43.84"E
LATITUDE 9.363791 9°21'49.64"N

Know your Alumni



P. RAJESH(2000 – 2004)

Senior associate

**Designation : Scientist/Engineer- Project
Saint Louis, USA**

In My view Greatness requires four things: Wonderful Students Enjoying a tremendous student Experience; Very Successful Faculty; a supportive Campus learning environment; and Substantial financial resources.

Balakumar Rajendran(2006-2010)
Staff Consultant
Oracle

It's been fortunate to be a part of the PSREC, where got the platform to enrich my skills and henceforth a bright light towards my life, with the support and endeavor of my faculty members.



I



Jegan Chandran CEO

WAXWING

Automation Systems

ECE 2006-10 Batch

Dear Folks,

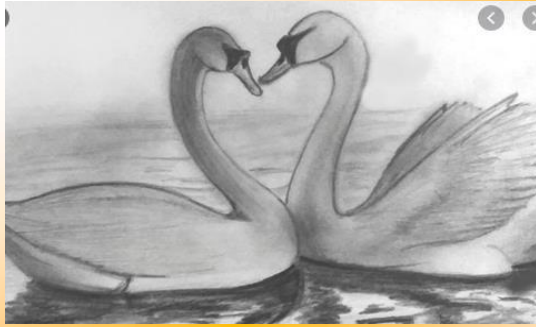
Myself Jegan Chandran, CEO of WAXWING Automation Systems, am 2010 Pass out Student.

Talking about my college Life Am below Average Student, in the Entire 4 years I've got pass mark in all the 6 subject only once in a Periodic (Internal Exam) and I keep safe that Report in my file as a Historic Event, Other than usual behaviour as a student I've never used a single word to cherish appreciate my College and College staffs while studying.

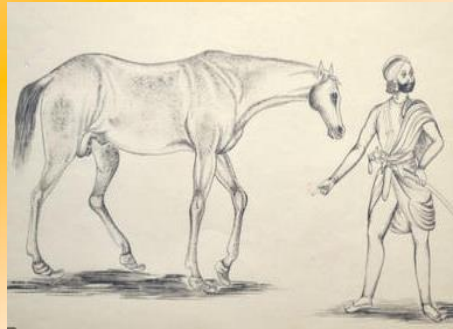
Try to get Practical Knowledge about the Outer World, 50% Talent and 100% Attitude makes you greater.

In My view Greatness requires four things: Wonderful Students Enjoying a tremendous student

Student Gallery



K.Nandhini IV ECE



M.PetchiMuthu II ECE



R.Vinothini III ECE

STORY:

Thinking Out of the Box (Creative Thinking)

In a small Italian town, hundreds of years ago, a small business owner owed a large sum of money to a loan-shark. The loan-shark was a very old, unattractive looking guy that just so happened to fancy the business owner's daughter. He decided to offer the businessman a deal that would completely wipe out the debt he owed him. However, the catch was that we would only wipe out the debt if he could marry the businessman's daughter. Needless to say, this proposal was met with a look of disgust.

The loan-shark said that he would place two pebbles into a bag, one white and one black.

The daughter would then have to reach into the bag and pick out a pebble. If it was black, the debt would be wiped, but the loan-shark would then marry her. If it was white, the debt would also be wiped, but the daughter wouldn't have to marry the loan-shark. Standing on a pebble-strewn path in the businessman's garden, the loan-shark bent over and picked up two pebbles. Whilst he was picking them up, the daughter noticed that he'd **picked up two black pebbles** and placed them both into the bag.

He then asked the daughter to reach into the bag and pick one.

The daughter naturally had three choices as to what she could have done:

1. Refuse to pick a pebble from the bag.
2. Take both pebbles out of the bag and expose the loan-shark for cheating.
3. Pick a pebble from the bag fully well knowing it was black and sacrifice herself for her father's freedom.

She drew out a pebble from the bag, and before looking at it 'accidentally' dropped it into the midst of the other pebbles. She said to the loan-shark;

"Oh, how clumsy of me. Never mind, if you look into the bag for the one that is left, you will be able to tell which pebble I picked."

The pebble left in the bag is obviously black, and seeing as the loan-shark didn't want to be exposed, he had to play along as if the pebble the daughter dropped was white, and clear her father's debt.

Moral of the story:

It's always possible to **overcome a tough situation** throughout of the box thinking, and not give in to the only options you think you have to pick from.