

PMC TECH

Er. PERUMAL



MANIMEKALAICOLLEGE

OF ENGINEERING

(Apporved by AICTE New Delhi & Affiliated to Anna University, Chennai) (Accredited by NAAC with 'B++' Grade & An ISO 9001-2015 Certified Institution)

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DEPARTMENT OF INFORMATION TECHNOLOGY ANNUAL NEWS LETTER

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CHAIRMAN'S MESSAGE



"Make of us the hero warriors we inspire to become. May we fight successfully the great battle of the future that has to be won against the past that seeks to endure, so that the new things may manifest and we are ready to receive them"

Welcome to PMC TECH, where academics and activities never end and the students are molded as future technocrats and business leaders. The Institute works on the vision to become one of the leading centers of teaching, research and extensions in the field of Engineering and Technology through total. Commitment towards quality education and training. We instill our students with the strength of character, self-confidence technical competence and leadership in management. We propagate knowledge to the students with the help of dedicated faculty, state-of-the-art library and well-equipped labs along with audio-visual theatre. The institute has an enviable track record of academic excellence, which is coupled with hands-on industrial training, and innumerable industry- institute interaction, which makes each PMC TECH student ready to be absorbed in the company.

Er. P.Perumal, B.E., MIE., FIV.,

Chairman,

PMC TECH - Group of Institutions.

SECRETARY'S MESSAGE



"The Institute not only extends good campus and state of the art computing facilities to the Students but also aims at giving those competencies that will make them leaders and trendsetters in their respective field, in this age of competition"

PMC TECH is committed to develop young minds for creative leadership in business and a proactive and useful role in social transformation. Today the need for being proactive and constructive is more acute than ever before due to the sweeping change influencing every aspect of our life. Therefore, there is need for action based on holistic training of youth to take on varied challenges of life. An opportunity to study at PMC TECH empowers a student to acquire knowledge and develop skills that will enable him to lead a highly productive, rewarding and holistic life. As a part of PMC TECH's commitment towards quality technical education and excellence, we embarked on promoting Faculty Development Program, Seminars, Workshops and Conferences, which will keep the faculty and students abreast of their field.

Shri. P.Kumar,

Secretary & Correspondent,

PMC TECH.

TRUSTEE'S MESSAGE



"The goal of education is the advancement of knowledge and the dissemination of truth"

The rapid rate of technological advancement and the information revolution have opened new series of challenges as well as opportunities. We aim to prepare the students to be successful in their workplace. It aims to prepare the students with technical knowledge and capabilities, flexibility and an understanding of the societal context of corporate world. We give the students support and encouragement they need to reach their full potential. We strive to give professional education a new perspective and achieve perfection in all spheres. We provide a pleasant & intellectually stimulating environment. The main reason for our tremendous performance is the faculty, which makes PMC TECH stand out from the rest of engineering colleges and Institutes. I wish to assure all concerned that no efforts will be spared to bring PMC TECH as one of the top Technical education Institutions.

Smt .P.Mallar,

Trustee,

PMC TECH.



"Education is the ability to listen to almost anything without losing your temper or self-confidence"

PMC TECH is committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare the young engineers and managers to confidently and competently face the challenges of intensifying competition by imparting high quality technical and managerial education coupled with appropriate training and wide exposure to the state-of-art practices. Our educational programmes lay emphasis on all round personality development and also in inculcating human values and professional ethics which help our students become more humane and socially alive to lead a meaningful life. This newsletter will help the students and faculty members to make them aware of different activities of their department as well as the other departments and will develop a better culture and academic environment. Further this will boost the morale of students and faculty to participate in future activities.

Smt .S.Sasirekha, Trustee, PMC TECH.

PRINCIPAL MESSAGE



"I believe that education is not just about teaching curriculum, it is also about the development of human intellect, capability to think independently and speak articulately. Through numerous student activities the college imparts all these life skills in students. Education in PMC TECH also emphasizes on development of personality, interpersonalskills and instilling the right values"

With a devoted and highly qualified set of faculty members, well provided infrastructure and efficient administrative staff, we always impart best education by giving in depth knowledge in the subject. We know that mere education does not make you a complete man / woman. With our rich library, we want you to develop reading habits. We always endeavor that when student go out. They should be recognized as highly knowledgeable, amiable, active and greatly trust worthy individual. Thanks to the educationally committed management, we have the reputation that we provide all the facilities and amenities. May be because of all these,. I am thankful to all my colleagues who are striving hard to establish PMC TECH as one of the leading Engineering Institutions.

Dr.S.Chitra, M.E, Ph.D.,

Principal.

HOD MESSAGE

"CONTINUOUS EFFORT IS THE KEY TO UNLOCK OUR POTENTIAL"

The launch of newsletter is another milestone for the excellence. I am happy to release this newsletter with the help of our management, principal, faculties and students. In ourDepartment we introduced unique programs and facilities like online collaborative & dynamic learning system, value added course, practical & industry oriented training to prepare students for future challenges.

I appreciate & wish our faculty & students to work forward for publishing this newsletter.

Dr D.Ramya Dorai., M.E., Ph.D HOD/IT

PMC TECH-ANOVERVIEW

PMC TECH group of Institutions consisting of Engineering College, polytechnic and ITI were established in the year 1996 by Er.Perumal B.E, M.I.E, FIV, Our founder and Chairman and sponsored by Er.Perumal Manimekalai Telugu Minority Educational and Charitable Trust. It is situated closer to the Industrial Hub, Hosur, Tamilnadu.

Er.Perumal Manimekalai College of Engineering, established in the Academic year 2002-03 is approved by All India Council for Technical Education (AICTE) and affiliated Anna University.

PMC TECH creates unique opportunities, provides individualized educational challenges, promotes high order thinking skills and maintains a strong tradition of academic excellence for students. The college is equipped with world class infrastructure and highly qualified, experienced faculty members. An active Placement Training and Welfare Cell is functioning with full enthusiasm with the aim of placing the students in top-notch companies. PMCTECH, a premier institution for higher education seeks to impart value added technical education and always aiming at excellence along with inculcation of ethical, moral, & professional values, with national welfare in heart.

ABOUT THEDEPARTMENT

Department of Information Technology was established in the year 2007 with an intake of 60 students. The Department has well qualified and experienced 12 faculty members to improve the student's skills in all aspects. The department has well equipped laboratory facilities with all latest and recent software's as prescribed by the University. The Department has signed MoU's with leading companies to enhance and to implant technical skills to students. The Departments has organized various Workshops, Conferences, Symposium and Seminar to build the talents and to bring the exposure

VISION

To impart the highest quality of technical education and have continuous practices in the emerging information technology industry.

MISSION

- ❖ To develop facilities of problem solving and technical skills.
- ❖ To develop dynamic and flexible attitude of IT engineers.
- ❖ To impart continuous learning skills in Technical, Ethical and Professional ways to meet the social responsibilities.

Program Educational Objectives (PEOs)

The Graduates of PMC TECH's Information Technology Program shall

- **PEO1:** Establish themselves as professionals by applying their technical skills to solve real world problems and to meet the diversified needs of industry, academia and research.
- **PEO2:** Exhibit academic excellence with innovative insights to develop hardware and software systems by understanding the importance of social, business and environmental needs in the human context.
- **PEO3:** Pursue lifelong learning to understand technical issues related to computing systems and to design optimal solutions.

Program Specific Outcomes (PSOs)

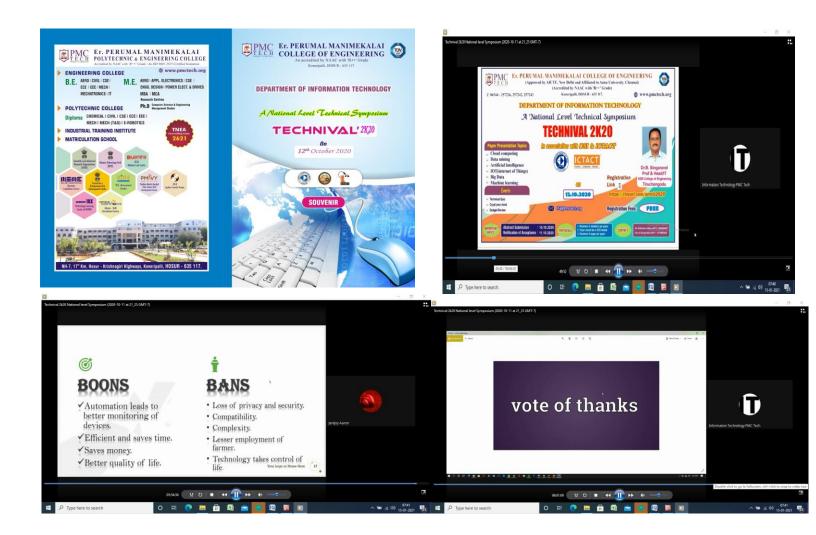
- **PSO1:** Ability design complex hardware software problems to analysis and and in Software, Cryptography and Network Security, Design Analysis of Algorithm, Computer Networks, Cloud Computing, Mobile Computing, Data Mining Big Data by applying knowledge of mathematics. basic sciences. and Information Technology basic and advanced knowledge.
- **PSO2:** To manage Information Technology Projects with consideration of the human, financial, ethical and environmental factors.
- **PSO3:** Have an understanding of risk management processes and operational and policy implications.

(Accredited by NAAC with 'B++' Grade)
Koneripalli, Hosur - 635 117.

Program Outcomes (POs)

Engineering Graduates will be able to:

- **1. Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **3. Design / Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **4.** Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **5. Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **6.** The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **7.** Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **8.** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **9. Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverseteams, and in multidisciplinary settings.
- **10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project Management and Finance: Demonstrate knowledge and understanding of the and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **12. Life Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Virtual Technival-2K20 Symposium

The Department of Information Technology organized a one day Virtual National Level Technical Symposium on "TECHNIVAL-2K20" on 12.10.20. Er.P.Perumal, presided over the function. Shri. P. Kumar, Secretary & Correspondent delivered the Felicitation Address. Smt.P.Mallar, Trustee delivered the Special Address. Dr D.RamyaDorai , Head of the Department delivered the Welcome Address., Dr B.Singaravel Prof & Head IT KSR College of Engineering Thiruchengode , was Chief Guest and delivered the Keynote Address. In this Symposium about 60 participants were participated and presented their papers. Finally Mr.A.Richard William, AP of Information Technology proposed the Vote of Thanks.

WORKSHOP

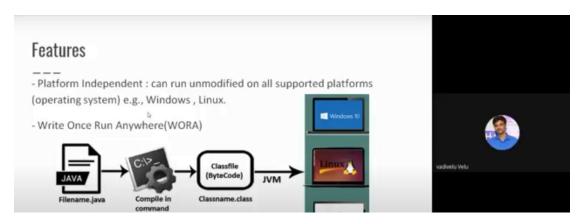
S.No	Title of event	Date	Chief Guest /Speaker	No of Participants	YEAR/ SEM
1	Technical workshop on "operating system essentials in Mobile Application Development		Mr K.S Chandrakanth Senior Database Administrator, NASDAQ Corporation India Pvt Ltd Bangalore	32	II/IV
2	Technical Workshop on "Trends and issues in modern Retrieval Systems"	27/3/2021	Mr Vadivelu Director & Technical Lead Oneyes Technologies Chennai	36	IV/VIII
3	Technical workshop on "Routing Protocols with Software Monitoring Systems"		Mr P.B Senthil Kumar Senior Network Engineer, CISCO, Bangalore	36	III/VI

<u>Technical workshop on "operating system essentials in Mobile Application Development</u>



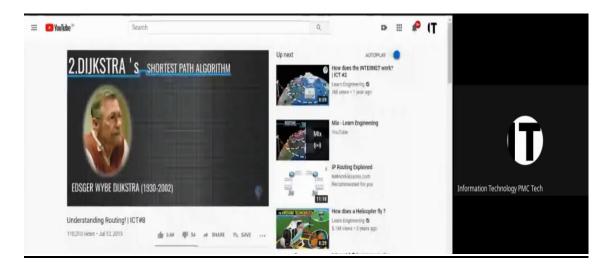
The Department of Information Technology organized a Technical workshop on "operating system essentials in Mobile Application Development on 20/3/2021 for the benefit of Second year students. Mr K.S Chandrakanth Senior Database Administrator, NASDAQ Corporation India Pvt Ltd Bangalore was the Chief Guest and given the Lecture with hands on Training in our lab

Technical Workshop on "Trends and issues in modern Retrieval Systems"



The Department of Information Technology organized a one day virtual Workshop on "Trends and issues in modern Retrieval Systems" during 27.03.21 for the benefit of Final year students. Mr Vadivelu Director & Technical Lead Oneyes Technologies Chennai was the Chief Guest and given the Lecture with hands on Training.

Technical workshop on "Routing Protocols with Software Monitoring Systems"

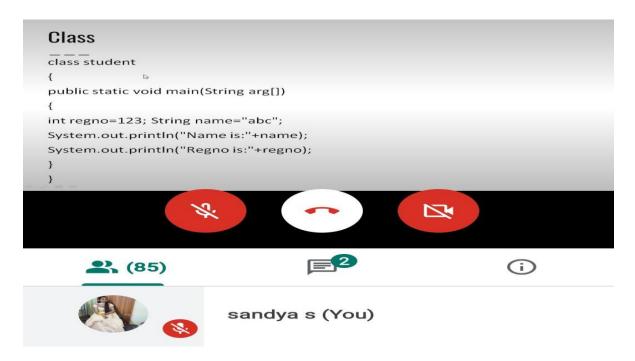


The Department of Information Technology organized a one day virtual Workshop on "Routing Protocols with Software Monitoring Systems" during 03/04/21 for the benefit of Third year students. Mr P.B Senthil Kumar Senior Network Engineer, CISCO, Bangalore was the Chief Guest and given the Lecture with hands on Training.

Add on courses odd sem

S.No	Title of event	Date	Chief Guest /Speaker	No of Participants	YEAR/ SEM
1	Add on course on "Contemporary Object Oriented Programming Tools for Industry Applications"	29.08.20 & 31.08.20	Mr M.Yogees Kumar Technical lead L & T info Tech Chennai	55	II/III
2	Add on course on "Linux Administration and Security Management""	04.09.20 & 05.09.20	Mr. Samwel Maregeri, ICT Officer, Business Registrations and Licensing Agency, Dar - es - salaam, Tanzania	36	III/V
3	Add on Course on "Automation Program Essentials for Software Projects"	18.09.20 &19.09.2 0	Mr. A J Joel Senior Software Engineer, RR DONNEL LEY, Chennai	36	IV/VII

Add on course on "Contemporary Object Oriented Programming Tools for Industry Applications"



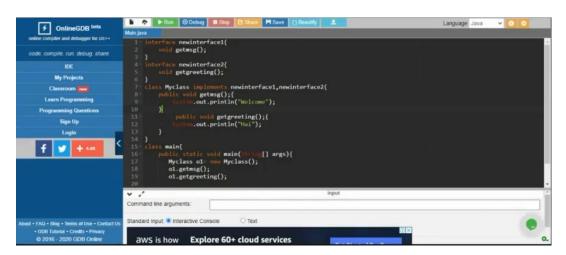
The Department of Information Technology organized a Add on course on Add on course on "Contemporary Object Oriented Programming Tools for Industry Applications" during 29.08.20 & 31.08.20for the benefit of Second Year students. **Mr**M. Yogees Kumar Technical lead L & T info Tech Chennai was the Chief Guest and given the Lecture with hands on Training.

Add on course on "Linux Administration and Security Management""



The Department of Information technology organized a <u>Add on course on "Linux Administration and Security Management"</u> during 04.09.20 & 05.09.20 for the benefit of Third year students. **Mr** Mr. Samwel Maregeri, ICT Officer, Business Registrations and Licensing Agency, Dar - es - salaam, Tanzania was the Chief Guest and given the Lecture with hands on Training.

Add on Course on "Automation Program Essentials for Software Projects"



The Department of Information technology organized a **Add on Course on "Automation Program Essentials for Software Projects"** during 18.09.20 &19.09.20 for the benefit of Final year students. Mr. A J Joel Senior Software Engineer, RR DONNELLEY, Chennai was the Chief Guest and given the Lecture with hands on Training.

GUEST LECTURE

DataBase Management systems





Guest Lecture on Data base Management systems

A Guest Lecture on "*Database management Systems*" was conducted by Department of Information Technology on 15.05.2021 to the Second year students. **Ms V.Priyanga Asst Prof CSE Shreenivasa Engineering College B-Pallipatti Bommidi Dharmapuri** of our institution was delivered the lecture.

Big Data Analytics

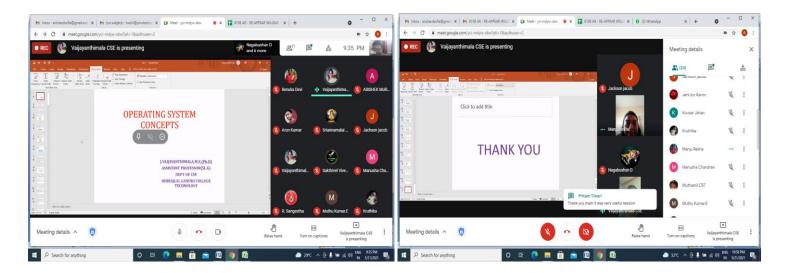




Guest Lecture on Big Data Analytics

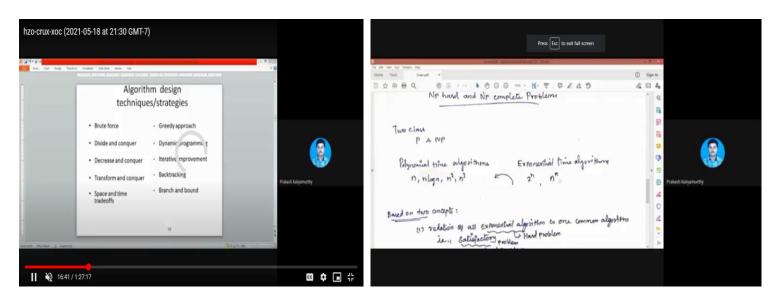
A Guest Lecture on "*Big Data Analytics*" was conducted by Department of Information Technology on 15.05.2021 to the third year students. **Mrs V.Sofia Mary HOD CSE Shreenivasa Engineering College B-Pallipatti Bommidi Dharmapuri** was delivered the lecture.

OperatingSystems



A Guest Lecture on "*Operating Systems*" was conducted by Department of Information Technology on 22.05.2021 to the Second year students. **Mrs Vaijayanthimala Asst Prof CSE Dhirajlal Gandhi college of Technology** of our institution was delivered the lecture.

Design Analysis and Algorithms



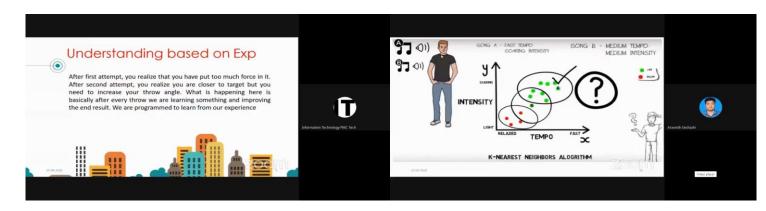
A Guest Lecture on "*Design Analysis and Algorithms*" was conducted by Department of Information Technology on 22.05.2021 to the Second year students. **Mr.K.Prakash** Asst Prof CSE Government College of Engineering Chettikarai Dharmapuri of our institution was delivered the lecture.

TECHNICAL WEBINARS

S.NO	TITLE OF EVENT	CHIEF GUEST/SPEAKER	DATE	NO OF STUDENTS PATICIPATED	YEAR/SEM
1	"Machine Learning with Tensorflow Tool for Industry Application"	Mr S.S Aravinth Mentor Hayagriva's software solutions Salem	26.09.20	36	III/V
2	"Network Essentials & IOT"	Mr. P.B Senthil Kumar Senior Software Engineer Cisco Systems Bengaluru	12.09.20	53	II/III
3	"Deep Neural Networks using Keras Tool"	Dr.P.Karthikeyan Associate Professor Presidence University ,Bengaluru	19.09.20	36	IV/VII
4	"Full Stack design & Development""	Mr. Balaji Thennarangam Full Stack Engineer, NSW,Sydney, Australia	17.10.20	56	Faculties
5	"Spark Machine Learning Library with Hadoop"	Mr S.A Manikandan Senior Data Analyst Futurlytic Pvt Ltd Bangalore	15.10.20	120	II/III/IV
6	"Deep learning Models using Python"	Mr T.Srihari System Engineer, Infosys Pvt Ltd Bangalore	04.03.21	36	IV/VIII
7	"Computational Intelligence for Machine Learning "	Mr Mohammed Rithwan Storage Consultant DXC Technologies Chennai	15.03.21	36	III/VI
8	"NoSQL in IOT Applications with query optimization	Mr M.Yogeesh Kumar Technical Lead L& T Infotech Chennai	23/3/2021	55	II/IV
9	"Data Science and Data Analytics "	Mr. V Sasi Kumar Software Engineer III WalMart Labs Bangalore	25/3/2021	36	III/VI

10	"Linux Kernals and Administration"	Mr. Samwel Maregeri ICT Officer, ICT Professional, Tanzania	7/4/2021	36	III/VI
11	" Step by Step process and Issues on Full Stack Development"	Mr. Balaji Thennarangam Full Stack Engineer, NSW, Syndey, Australia	8/4/2021	55	II/IV

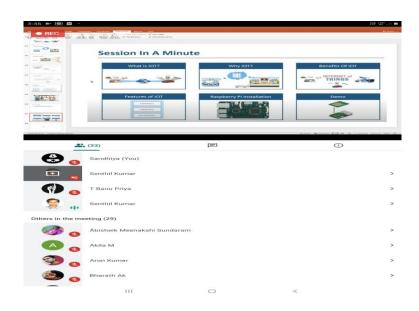
"Machine Learning with Tensorflow Tool for Industry Application"



Technical Webinar on "Machine Learning with Tensor flow Tool for Industry Application"

A Technical Webinar on <u>"Machine Learning with Tensorflow Tool for Industry Application"</u> was conducted by Department of Information Technology on 26.09.20 to the Third year students. **Mr S.S Aravinth Mentor Hayagriva's software solutions Salem**, was the Chief Guest and gave the valuable informations in this webinar

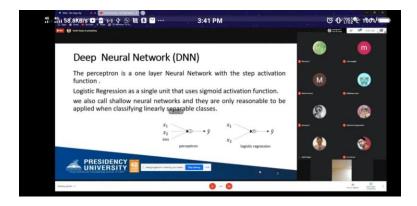
"NetworkEssentials&IOT"



Technical Webinar on "NetworkEssentials&IOT"

A Technical Webinar on "NetworkEssentials&IOT" was conducted by Department of Information Technology on 12.09.20 to the Second year students. Mr. P.B Senthil Kumar Senior Software Engineer Cisco Systems Bengaluru, was the Chief Guest and gave the valuable informations in this webinar

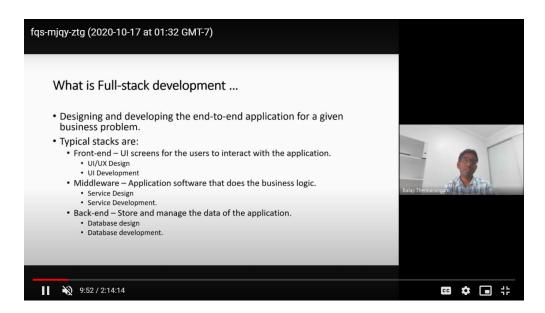
"Deep Neural Networks using Keras Tool"



Technical Webinar on "Deep Neural Networks using Keras Tool"

A Technical Webinar on "Deep Neural Networks using Keras Tool" was conducted by Department of Information Technology on 19.09.20 to the Final year students. Dr.P.Karthikeyan Associate Professor Presidence University, Bengaluru, was the Chief Guest and gave the valuable informations in this webinar

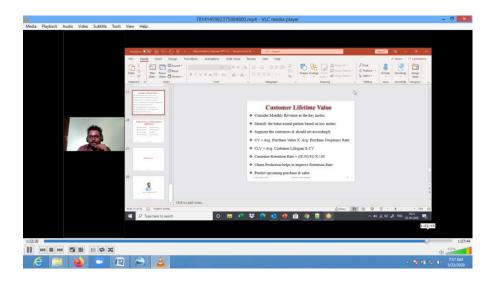
"Full Stack design & Development""



Technical Webinar on "'Full Stack design & Development""

A Technical Webinar on "Full Stack design & Development" was conducted by Department of Information Technology on 17.10.20 to the Final year students. Mr. Balaji Thennarangam Full Stack Engineer, NSW, Sydney, Australia, was the Chief Guest and gave the valuable informations in this webinar

"Spark Machine Learning Library with Hadoop"



A Technical Webinar on <u>"Spark Machine Learning Library with Hadoop"</u> was conducted by Department of Information Technology on 15.10.20 to the Second, Third, Final year students. Mr S.A Manikandan Senior Data Analyst Futurlytic Pvt Ltd Bangalore was the Chief Guest and gave the valuable informations in this webinar

Technical seminar on "Deep learning Models using Python"





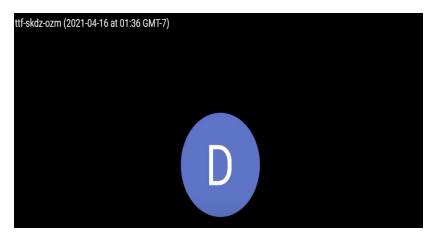
A Technical Webinar on "**Deep learning Models using Python**" was conducted by Department of Information Technology on 04.03.21 to the Final year students. Mr T.Srihari System Engineer, Infosys Pvt Ltd Bangalore was the Chief Guest and gave the valuable informations in this webinar

"Computational Intelligence for Machine Learning"



A Technical Webinar on "Computational Intelligence for Machine Learning" was conducted by Department of Information Technology on 15.03.21 to the Third year students. Mr Mohammed Rithwan Storage Consultant DXC Technologies Chennai was the Chief Guest and gave the valuable informations in this webinar

"NoSQL in IOT Applications with query optimization"



A Technical Webinar on "NoSQL in IOT Applications with query optimization" was conducted by Department of Information Technology on 04.03.21 to the second year students. Mr M. Yogeesh Kumar Technical Lead L& T Infotech Chennai was the Chief Guest and gave the valuable informations in this webinar

"Data Science and Data Analytics "



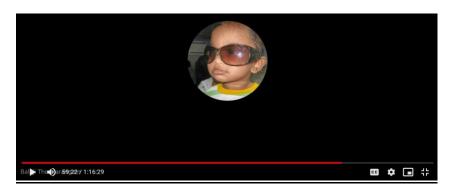
A Technical Webinar on "**Data Science and Data Analytics**" was conducted by Department of Information Technology on 25.03.21 to the second year students. Mr. V Sasi Kumar Software Engineer III WalMart Labs Bangalore was the Chief Guest and gave the valuable informations in this webinar

"Linux Kernals and Administration"



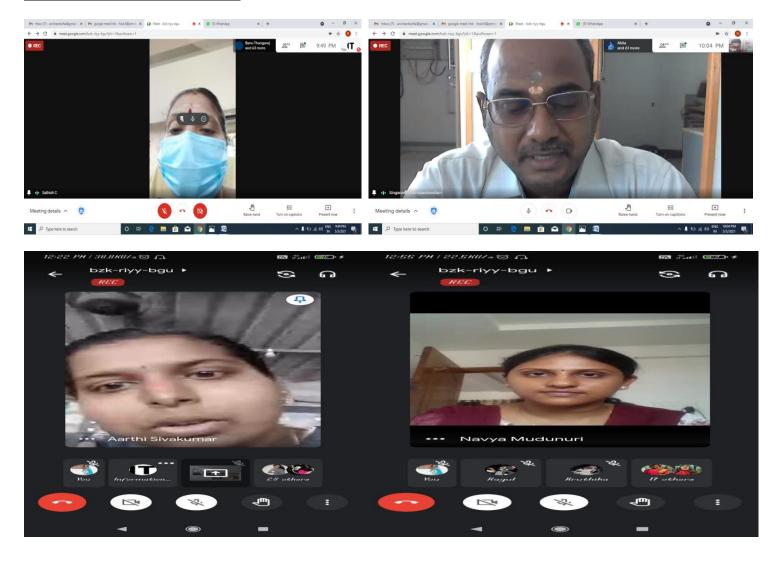
A Technical Webinar on "Linux Kernals and Administration" was conducted by Department of Information Technology on 07.04.21 to the third year students. Mr. Samwel Maregeri ICT Officer, ICT Professional, Tanzania was the Chief Guest and gave the valuable informations in this webinar

"Step by Step process and Issues on Full Stack Development"



A Technical Webinar on <u>"Step by Step process and Issues on Full Stack Development"</u> was conducted by Department of Information Technology on 08.04.21 to the Second year students. Mr. Balaji Thennarangam Full Stack Engineer, NSW,Syndey, Australia was the Chief Guest and gave the valuable informations in this webinar

National level conference 2K21



The department of Information Technology has organized one day **NATIONAL LEVEL CONFERNCE ON COMPUTING AND INFORMATION SYSTEMS** on 04.05.21 in the title of "(NCCIS'21)". The program was started with the inaugural function at 9a.m. The function was inaugurated by our Honorable Principal **Dr.S.Chitra.** The program followed by welcome address given by **Dr D.RamyaDorai,** HOD/IT.

The Principal Madam appreciated and congratulated the students and faculties for the initialization of this conference During the presidential address she encouraged the students to improve communication skills, work as a team and to have a habit of deep learning throughout their career.

Dr. G. Singaravel, Professor and Head, Department of Information Technology, K.S.R. College of Engineering, Tiruchengode was invited as chief guest for the Inaugural Function. The Chief Guest delivered special address in this valuable session. He insisted the students to practice the subconscious mind to come up with innovative ideas and motivated the students to believe in one.

PLACEMENT

2021 Current student Placed in Sutherland & Connegt

S.no	Name of the Student	Year/Sem
1.	Deepika	IV/VIII
2.	Jemmima Shereley	IV/VIII
3.	Banupriya.T	IV/VIII

All Sec Technologies Pvt Ltd

S.no	Name of the Student	Year/Sem
1.	Mallikarjun C	IV/VIII

Altruist Technologies Pvt Ltd

S.no	Name of the Student	Year/Sem
1.	Mallikarjun C	IV/VIII

Prematix Software Solutions pvt ltd

S.no	Name of the Student	Year/Sem
1.	Yashwanth	IV/VIII
2.	Bhuvaneswari	IV/VIII
3.	Sathya	IV/VIII
4.	Krishnamoorthi	IV/VIII
5.	Vishnuteja	IV/VIII

NetAccess India Ltd

S.no	Name of the Student	Year/Sem
1.	Yashwanth	IV/VIII