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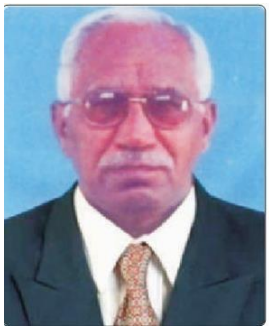


"Make of us the hero warriors we inspire to become. May we fight successfully the great battle of the future that has to be won against the past that seeks to endure, so that the new things may manifest and we are ready to receive them"

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, inter-personalskills andinstilling the rightvalues”

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 A.Mahesh

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 to analysis and design complex hardware and software problems in System Software, Cryptography and Network Security, Design and Analysis of Algorithm, Computer Networks, Cloud Computing, Mobile Computing, Data Mining and 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.

PMC TECH
INSPIRE TO INNOVATE

Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING

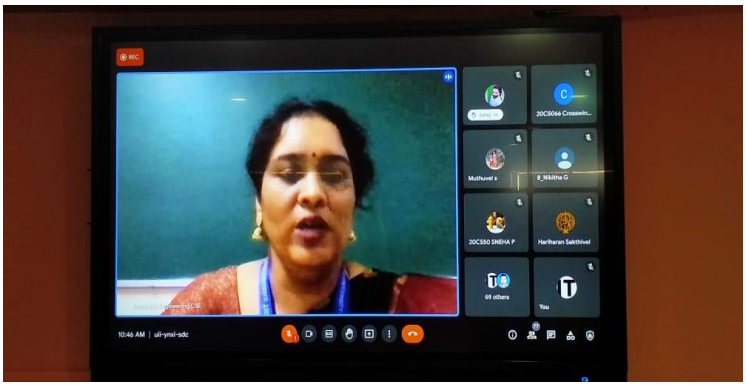
(Accredited by NAAC with 'B++' Grade)

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 Engineering 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.



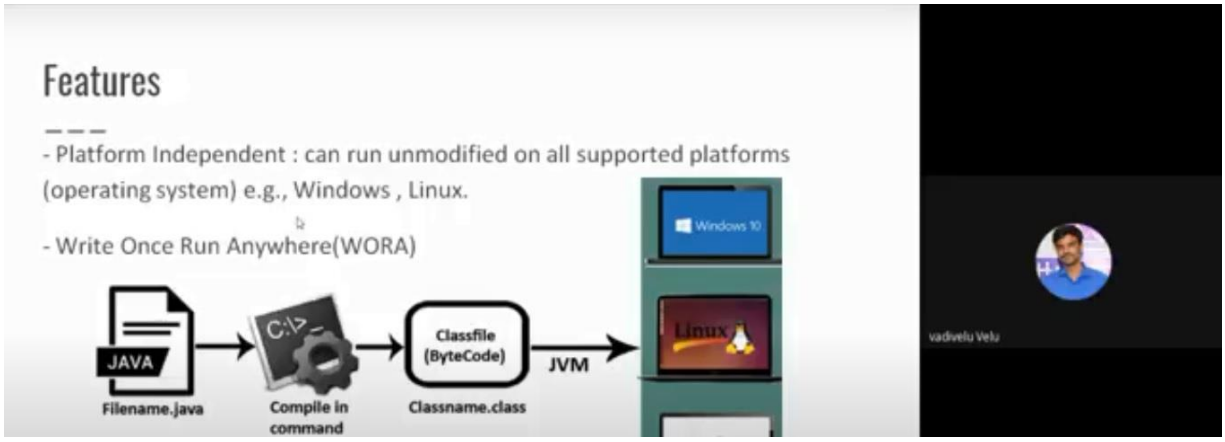
Virtual Technival-2K21 Symposium

The Department of Information Technology organized a one day Virtual National Level Technical Symposium on **"TECHNIVAL-2K21"** on 05.11.21. **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 S.K Aruna Asso Prof Dept of CSE Christ University Bangalore** , 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 "Block Chain Technology with cryptography for large scale Machine Learning	17/9/2021 &18/9/2021	Mr Vadivelu Director & Technical Lead Oneyes Technologies Chennai	34	IV/VIII
2	Technical Workshop on "Contemporary Object Oriented Programming Tools for Industry Applications"	03/10/2021 & 04/10/2021	Mr M.Yogees Kumar Technical lead L & T info TechChennai	57	II/III
3	Technical workshop on "Firewall & Software Monitoring Systems in windows and Linux OS	14/10/2021 & 15/10/2021	Mr S.A Manikandan Senior Data Analyst Futurlytic Pvt Ltd Bangalore	50	III/V
4.					

Technical workshop on "Block Chain Technology with cryptography for large scale Machine Learning

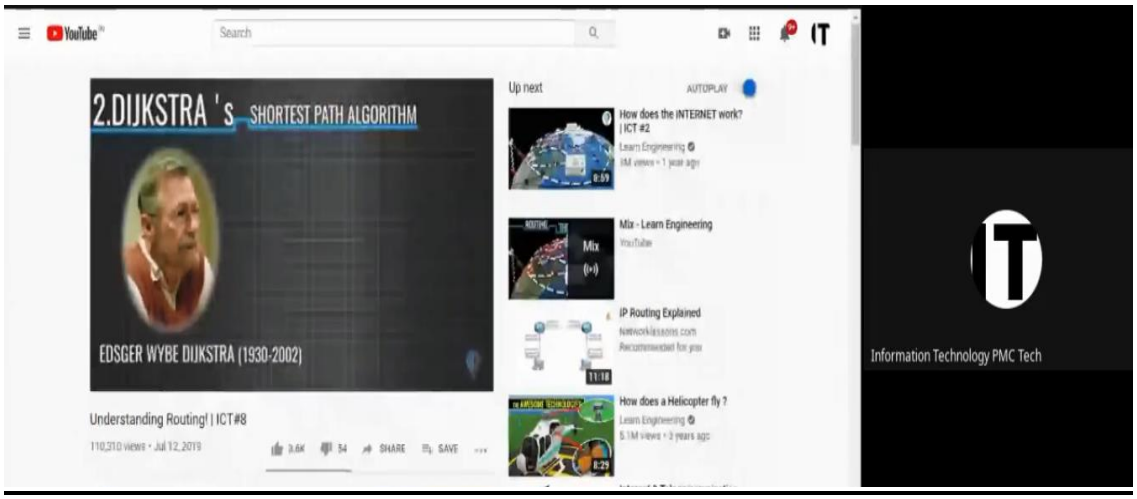


The Department of Information Technology organized a Technical workshop on "Block Chain Technology with cryptography for large scale Machine Learning on 17/9/2021 &18/9/2021 for the benefit of Final year students. Mr Vadivelu Director & Technical Lead One yes Technologies Chennai was the Chief Guest and given the Lecture with hands on Training in ourlab

Technical Workshop on "Contemporary Object Oriented Programming Tools for Industry Applications"

The Department of Information Technology organized a two day virtual Workshop on " **Technical Workshop on "Contemporary Object Oriented Programming Tools for Industry Applications"** " during 03/10/2021 & 04/10/2021 for 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.

Technical workshop on "Firewall & Software Monitoring Systems in windows and Linux OS



The Department of Information Technology organized a Workshop on Technical workshop on "Firewall & Software Monitoring Systems in windows and Linux OS during 14/10/2021 & 15/10/2021 for the benefit of Third year students Mr S.A Manikandan Senior Data Analyst Futurlytic Pvt Ltd Bangalore was the Chief Guest and given the Lecture with hands on Training.

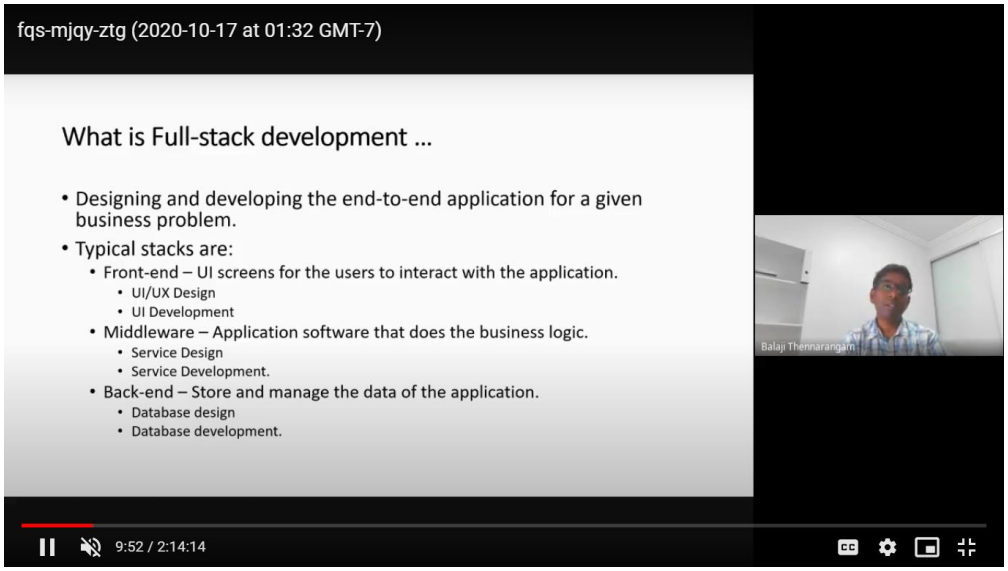
Technical Webinars

S.No	Title of event	Date	Chief Guest /Speaker	No of Participants	YEAR/ SEM
1	Technical Webinar on "Linux Administration and Security Management""	13/9/21	Mr. Samwel Maregeri, ICT Officer, Business Registrations and Licensing Agency, Dar - es - salaam, Tanzania	50	III/V
2	Technical Webinar on "'Full Stack design & Development""	31/10/21	Mr. Balaji Thennarangam Full Stack Engineer, NSW,Sydney, Australia	146	II/III/1V
3	Deep Convolutional Neural Network using ALEXNET	04/09/2021	Mr P.Dinesh Kumar Product Technical Architect Infosys Bangalore	35	IV/VII
4	"Network Essentials & IOT"	06/09/2021	Mr P.B Senthil Kumar Senior Network Engineer, CISCO, Bangalore	50	III/V
5.	Technical Webinar on "Buisness Automation process in software Applications	30/10/2021	Mr S.S Aravinth Mentor Hayagriva's software solutions Salem	35	IV/VII
6.	Technical Webinar on Effective Productive Development	20/05/2022	Ms Sandhya Srinivas HR Senior Product Manager Paypal USA	50	III/VI
7.	**Technical Seminar on "Recent Trends in operating systems and performance computing**	05.05.2022	Dr. Manikandan, Associate Professor, School of Computer Sciences IT VIT ,Vellore	63	II/IV
8	Technical workshop on MATLAB Simulation	12/04/22	Dr Duraisamy Prof Adhiyamman College of Engg	34	IV/VIII

Technical Webinar on "Linux Administration and Security Management""

The Department of Information technology organized a **Technical Webinar on "Linux Administration and Security Management""du**ring 13/9/21 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.

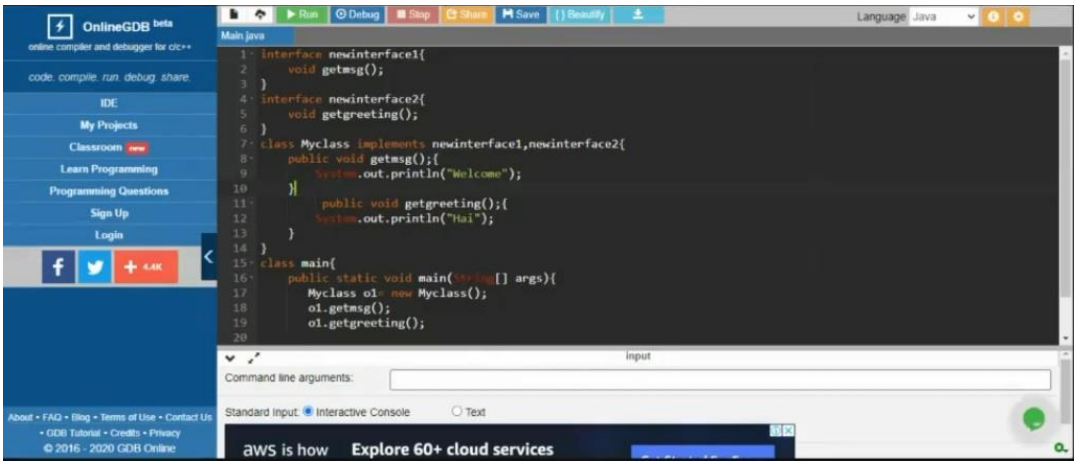
Technical Webinar on "'Full Stack design & Development""



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

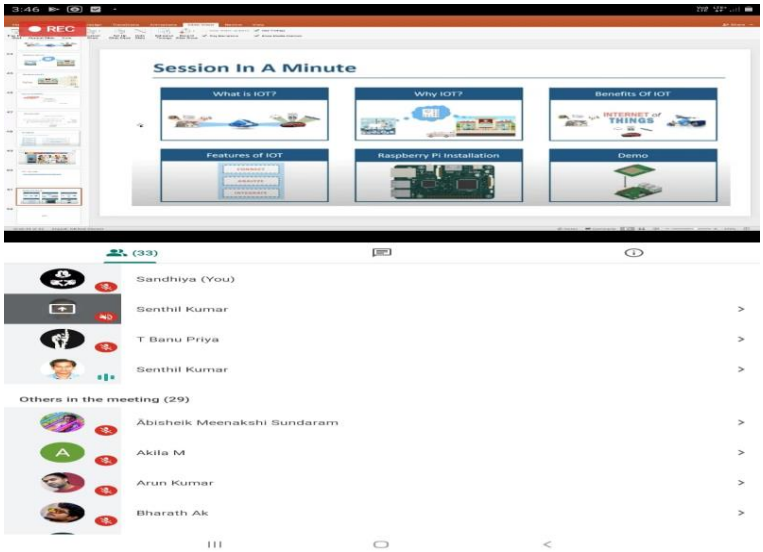
A Technical Webinar on **"'Full Stack design & Development"**was conducted by Department of Information Technology on 31/10/21 to the all year students. Mr. Balaji Thennarangam Full Stack Engineer, NSW,Sydney, Australia, was the Chief Guest and gave the valuable informations in this webinar

Deep Convolutional Neural Network using ALEXNET



The Department of Information technology organized a Deep Convolutional Neural Network using ALEXNET during 04/09/2021 for the benefit of Final year students. Mr P.Dinesh Kumar Product Technical Architect Infosys Bangalore was the Chief Guest and given the Lecture with hands on Training.

"Network Essentials & IOT"

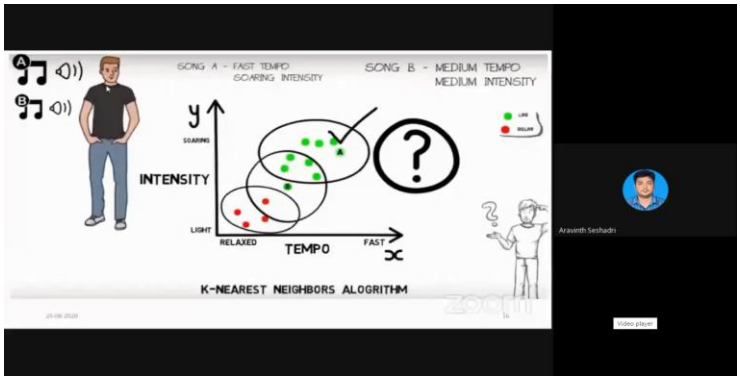


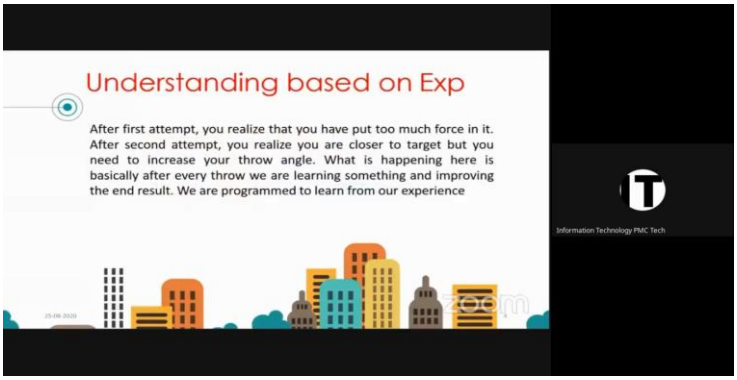
***Technical Webinar on* "NetworkEssentials&IOT"**

A Technical Webinar on **" NetworkEssentials&IOT "** was conducted by Department of Information Technology on 06.09.2021 to the Third 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

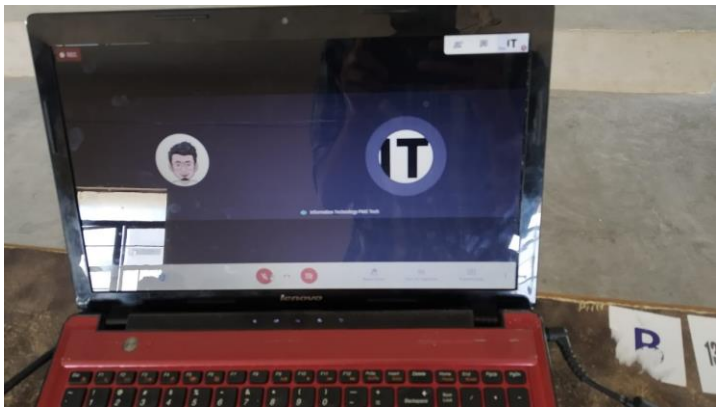
Technical Webinar on “Buisness Automation process in software Applications





A Technical Webinar on Technical Webinar on “Buisness Automation process in software Applications was conducted by Department of Information Technology on 30.10.2021 to the Third year students. Mr S.S Aravinth Asso Prof KL University Hyderabad , was the Chief Guest and gave the valuable informations in this webinar

Technical seminar on " Python industry Applications"



A **Technical seminar on " Python industry Applications** "was conducted by Department of Information Technology on 11.9.21 to the Final year students. Mr V.Sasi Kumar Software EngineerIII Walmart Labs Bangalore was the Chief Guest and gave the valuable informations in this webinar

Technical Webinar on Effective Productive Development

A Technical Webinar on Effective Productive Development was conducted by Department of Information Technology on 20.05.22 to the Third year students. Ms Sandhya Srinivas HR Senior Product Manager Paypal USA was the Chief Guest and gave the valuable informations in this webinar

Technical Seminar on "Recent Trends in operating systems and performance computing

A Technical Seminar on "Recent Trends in operating systems and performance computing was conducted by Department of Information Technology on 05.05.22 to the Second year students. Dr. Manikandan, Associate Professor, School of Computer Sciences IT VIT ,Vellore was the Chief Guest and gave the valuable informations in this Seminar

Technical Seminar on "MATLAB Simulation using Machine Learning

A **Technical Seminar on "MATLAB Simulation using Machine Learning** was conducted by Department of Information Technology on 12.04.22 to the Final year students. Dr. Duraisamy, Professor, Adhiyamman college Hosur was the Chief Guest and gave the valuable informations in this Seminar

Industrial Visit

The Department of Information Technology visited the industrial Visit to ISRO Ban galore on 21.04.22

Add on Course

S.No	Title of event	Date	Chief Guest /Speaker	No of Participants	YEAR/ SEM
1	Add on Course on Computer Hardware and Network	23.05.22 to 28.05.22	Innova Skill Tech Bangalore	58	IV/VIII
2	Add on Course on Analytical and Technical Skills	23.05.22 to 28.05.22	Top Freshers Bangalore	50	IV/VIII

Add on Course on Computer Hardware and Network

Add on Course on Analytical and Technical Skills

PLACEMENT

2022 Current student Placed in Enoah Technologies

S.no	Name of the Student	Year/Sem
1.	Abhishek M.S	IV/VIII
2.	Arafath.A	IV/VIII

GSR Info Systems

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

Siemens

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

Infosys Pvt LtD

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