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HoD / CSE

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Mr. P. Vigneshkumar

Assistant Professor CSE





ABOUT THE INSTITUTION

KARPAGAM INSTITUTE OF TECHNOLOGY

Karpagam Institute of Technology (KIT), one of the top Engineering colleges in Coimbatore, is founded by a farsighted educationist, Dr. R. Vasantha Kumar, who with a noble aim, wanted to make higher education in engineering and technology accessible to everyone, the college is sited at NH47 near Eachnari, Coimbatore. It is a dream come true to build such a top quality Engineering college in Coimbatore.

The Engineering college stands out as a top, premier learning hub in Coimbatore with the mission of imparting excellence in top quality technical education and research. The college recognises the top performers and meritorious engineering students with educational scholarships. A team of dynamic faculty, diverse student community and the state-of-art facilities available in the premises brand the institution as a querencia. Engineering education is provided at its best in this college.

Students at KIT, one of the top Engineering colleges in Coimbatore find themselves involved in both cocurricular and extra-curricular activities. The college provides equal opportunities in sports and fine arts to showcase their talents in addition to the engineering excellence thereby aiding in their overall development. Alumni's valuable feedback is also taken to train our college students as per the top industrial requirements.

VISION

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

MISSION

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



ABOUT THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING

Since its establishment in 2008, the Department of Computer Science and Engineering has been a part of Karpagam Institute of Technology. The department is dedicated on producing excellent engineers. In order to do this, the faculty tries to instill professionalism, creativity, and employability in our students while also keeping up with evolving technologies. We have excellent facilities and equipment in our labs. Faculty members with extensive training and expertise provide help to students.

VISION

To provide technical education in the field of Computer Science and Engineering by imparting employability, research capabilities, entrepreneurship with human values

MISSION

- Adopting innovative teaching learning practices through the state-of-the-art-infrastructure.
- Establishing a conducive environment for innovations and research activities.
- Inculcating leadership skills, moral and social values through extension activities.



ACHIEVING EXCELLENCE THROUGH POS, PSOS, AND PEOS

PROGRAM OUTCOMES

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 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.
- **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.
- 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.
- **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.
- **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.
- **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.
- *Ethics:* Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- 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.
- 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.



ACHIEVING EXCELLENCE THROUGH POS, PSOS, AND PEOS

PROGRAM SPECIFIC OUTCOMES

- PSO1: Analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.
- PSO2: Apply software engineering principles and practices for developing quality software for scientific and business applications.
- **PSO3:** Adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

PROGRAM EDUCATIONAL OBJECTIVES

- **PEO1:** The graduates will excel in their chosen technical domains in Computer Science and Engineering.
- PEO2: The graduates will solve real world problems in computer science and engineering by applying logical and coding skills considering ethical values.
- **PEO3:** The graduates will work enthusiastically as a team and engage in life long learning



MANAGEMENT'S DESK



YOUR WAY TO SUCCESS

our greatest usealeness lies in giving up.

The Most certain way to succeed is always to try just one wore time.

- THOMAS EDITION



DR. R. VASANTHKUMAR

Dr. R. Vasanthakumar, a distinguished industrialist and philanthropist, is the Chairman of Karpagam Institute of Technology, a leading engineering college in Coimbatore. He also leads Karpagam Industries, Karpagam Yarns, and Karpagam Infrastructure, employing over 2000 personnel. A Gold Medalist in Electrical & Electronics Engineering from Madras University, his academic passion fuels his educational initiatives.

Dr. Vasanthakumar is renowned for his philanthropy, particularly in temple maintenance and the establishment of the Panniru Thirumurai Aaivu Mayyam, which researches Ancient Tamil Saivism Literature. His efforts have earned him numerous accolades, including an Honorary Doctorate from Avinashilingam University and the title 'Kongu Nattu Sathanaiyalar' from NIA Institutions. KIT, under his vision, strives to be a top engineering education provider, aligning with Anna University standards.





Dr. P. Manimaran earned his B.E. from Annamalai University, MBA from Madurai Kamarajar University, M.E. from Thiagarajar College of Engineering, and PhD from Anna University in Chennai. He has worked in administration and education for around thirty years. He serves as a resource for several academic institutions and is a member of numerous expert committees. He has outstanding academic credentials and a wealth of expertise in Research & Development fields. And he has also received most prestigious award as renowned scientist by Stanford University, USA.



HOD'S DESK



YOUR WAY TO SUCCESS

Remember, your journey here is not just about eduning a degree-its about growth, discovery, and preparing yourselves to make a positive impact on the world around you.



DR. K. KARUNAMBIGA

Dr. K. Karunambiga is a distinguished Professor at Karpagam Institute of Technology, bringing 17 years of extensive teaching experience to the institution. Her academic journey began with an undergraduate degree from Crescent Engineering College, followed by postgraduate and Ph.D. degrees from Anna University. With a strong foundation in her field and a passion for education, Dr. Karunambiga is committed to fostering academic excellence and contributing to the growth and development of her students.











ONE DAY WORKSHOP ON

Critical Thinking and Innovation Design

CSE Department conducted, one day workshop on Critical Thinking and Innovation design on 19.02.2024 by Mr. V. P. Arulkumar, IIC Innovation Ambassador. The students were able to enhance their critical thinking and innovative design skills through this hands-on activity.



One day Workshop on Critical thinking and Innovation Design

In Association With
Institution's Innovation council

Coordinator

Mrs.R.Subbulakshmi AP/CSE

Convenors

Dr.P. Manimaran Principal

Dr.K.Karunambiga

Dr.D.Jebakumar Immanuel Mr.S.Manikandan IIC Convenors

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RESOURCE PERSON



Mr.V.P. Arul kumar IIC Innovation Ambassador AP/IT

19.02.2024



INTRA INSTITUTIONAL

INNOVATION CHALLENGE - IDEATHON



In association with IIC. Intra Institutional Innovation Challenge Ideathon conducted from was 20.02.2024 to 22.02.2024.

Dr. S. Gopinath was the jury for the event and best ideas were selected and encouraged.

Institutional students had the chance to submit their creative notions or ideas for this challenge.



INTRA INSTITUTIONAL INNOVATION **CHALLENGE - IDEATHON**

In Association With Institution's Innovation council

Coordinator

Mrs.R.Subbulakshmi AP/CSE

Convenors

Dr.P. Manimaran Principal

Dr.K.Karunambiga HoD/CSE

Dr.D.Jebakumar Immanuel Mr.S.Manikandan **IIC Convenors**





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JURY



Dr. S. Gopinath Professor and Head/ECE

20.02.2024 to 22.02.2024

mww.karpagamtech.ac.in







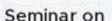


INSTITUTION'S INNOVATION COUNCIL

Seminar on ENTREPRENEURIAL MINDSET: Cultivating a growth mindset

The Department of Computer Science and Engineering in association Entrepreneurship Development Cell jointly organized a seminar "ENTREPRENEURIAL **MINDSET:** mindset" **Cultivating a growth** 26.02.2024 by Mr.P.Yudheesh, Chief Relationship Officer, Metro IT Systems, **Salem** for third year students. This session was helpful for the students to learn about personal and professional success beyond building businesses that encourages adaptability, creativity, proactive a approach and fostering a mindset

ENGINEERING is organizing



Entrepreneurial Mindset: Cultivating a Growth Mindset

of ESE IE ECE | According to NAAC with the

In Association with

Entrepreneurship Development Cell & Institution's Innovation Council COORDINATORS

Mr. N. Senthil Prabhu

Mr. C. Karthikeyan

AP / CSE





Seminar on

HOW TO PLAN FOR START-UP IN LEGAL AND ETHICAL STEPS

CSE in association with IIC and EDC. jointly organized a seminar on How to plan for Start-up in Legal and Ethical steps on 18.03.2024 by Mr.C. Karthikeyan AP/CSE, IIC Innovation Ambassador. This session educates learners how to plan for the start of professional achievement by adhering to ethical and legal standards.

Department of Computer Science and Engineering

Seminar on

How to plan for Start-up in **Legal and Ethical steps**

In Association with

Institution's Innovation Council & Entrepreneurship Development Cell

CONVENORS

Dr. P. Manimaran PRINCIPAL.

Dr. K. Karunambiga HOD / CSE

Dr. D. Jebakumar Immanuel IIC CONVENOR

Dr. R. Ravikumar **EDC CONVENOR**

COORDINATOR

Mr. N. Sen+

AD /









ONE DAY WORKSHOP ON

PROCESS DESIGN AND DEVELOPMENT OF CLOUD COMPUTING USING AWS





Venue: Aryabhata & Vishwakarma Laboratory

www.karpagamtech.ac.in

and Engineering and Institution's Innovation Council jointly organized the One Day Workshop on Process Design and development of Cloud Computing using AWS on 13.04.2024 by Mr.C.S.Venkatraman, Senior **Cloud Engineer, SRM** Tehnologies, Chennai. This workshop served as a platform for students to empower with both theoretical knowledge and practical skills necessary to design, develop, and deploy cloud-based solutions using AWS effectively.

Department of Computer Science



>>> WORKSHOP ON <<<

GENERATIVE ARTIFICIAL INTELLIGENCE



Department of CSE in association with IIC, organized an one day workshop of Generative Artificial Intelligence by Mr. S. G. Surya, Associate Architect Machine Learning, Quantipathi, Bengaluru on 25.05.2024. The workshop was a platform to the students to understand the basics of Generative Artificial Intelligence.









Workshop on

GENERATIVE ARTIFICIAL INTELLIGENCE

In Association with

COORDINATORS

Dr. K. Karunambiga HoD / CSE

Mrs. P. G. Banupriya AP / CSE

CONVENOR

Dr. P. Manimaran



RESOURCE PERSON

VENUE: Aryabhatta and Vishwakarma Lab, B-Block

⊕ ⊕ ⊕ ⊕ wekitizens

www.karpagamtech.ac.in





IASICT'24











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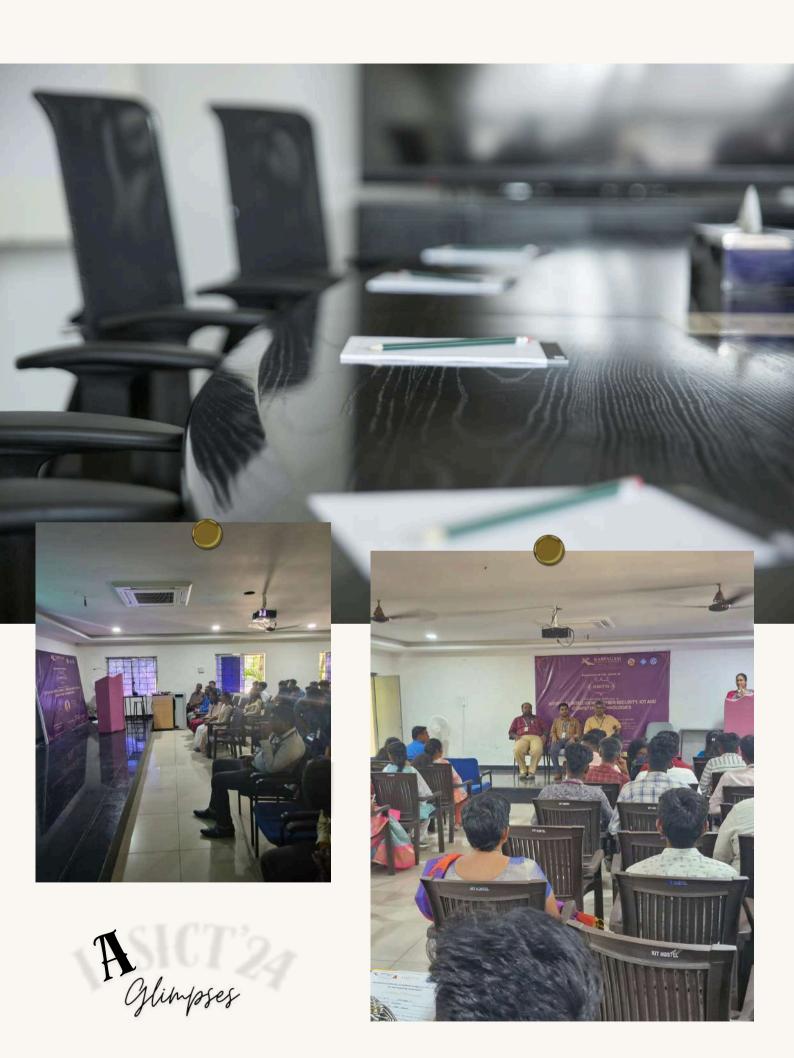
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CANVA STORIES



(CSE)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



ALUMNI INTERACTION PROGRAM ON

BUILDING A SUCCESSFUL CAREER

DEPARTMENT ORAGNIZED ALUMNI INTERACTION PROGRAM ON 23.02.2024. OUR PROUD ALUMNI MR. K. BHARANIDHARAN, PROGRAM ANALYST FROM SAVIC TECHNOLOGIES INTERACTED WITH THE STUDENTS AND SHARED HIS EXPERIENCE. THE SESSION HELPED THE STUDENTS IN HOW TO BUILD A SUCCESSFUL CAREER



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING







Alumni Interaction on

THE WAY TO GEAR UP YOURSELF FOR EMPLOYMENT OPPORTUNITIES

On behalf of KIT, the Department of Computer Science and Engineering has organized an Alumni Interaction Program on 27.03.2024 by Mr. S. Manikandan, Full Stack Developer, Exalca Technologies, Coimbatore.

With the aid of this program, students were able to overcome their anxiety of placements and learn how to adequately prepare for them





"stay inspired. Never stop creating."

ALUMNI SUCCESS STORIES



On behalf of KIT, the Department of Computer Science and Engineering organized an interaction program on the topic "Alumni Success Stories" on 06.04.2024 by Ms. P. Kaviya, Founder, Vintrosys, Tiruppur. This program aims to inspire, guide and empower the students as they navigate their academic professional journeys, and helping them to envision and work towards their own future success







Alumni Interaction on

Energizing Young Minds Towards Innovation And Research

On behalf of KIT, the Department of Computer Science and Engineering organized an interaction program on the topic "Energizing Young Minds Towards Innovation And Research" on 26.04.2024 by Mr. M.Sushvin, Research Scholar, IIIT - Hyderabad. The objective of this alumni talk is to inspire, educate, and empower young minds to embrace innovation and research as drivers of personal and societal progress.







"The day you stop racing, is the day you win the race"



Alumni Interaction on

STRATEGY TO GET A SUCCESSFUL PROFESSIONAL CAREER





On behalf of KIT, the Department of Computer Science and Engineering organized an interaction program on the topic 'Strategy to get & Successful Professional Career' on 21.06.2024 by Mr. S. Gokulakrishnan. Web Developer. ZOHO. The objective of this alumnitalk is to provide a structured approach for individuals aiming to excel in their chosen fields.







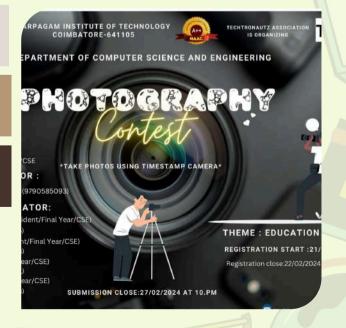
TECHTRONAUTZ CONTESTS

CONDUCTED













DEPARTMENT OF CSE ASSOCIATION

TECHTRONAUTZ



Association conducted Logo Design Contest for the students on 14th February 2024. Students uploaded the logo designs and the best logo was selected as the department association logo.









PHOTOGRAPHY CONTEST

TECHTRONAUTZ















>>> TECHNICAL EVENTS

mind



BlindCoding

Department of CSE, organized a National Gevel Technical Symposium, "TECHTRONAUTZ" on 22.03.2024















TECHTRONAUTZ



WORKSHOP ON DEVOPS

Mr. Prasanth Ganesh, Chief operations officer in PreSkale, emphasized on sharing his insights and expertise on Devops and how it helps businesses by providing applications and services quickly while also enhancing their products more quickly than those who rely on more conventional methods for infrastructure management and software development.

WORKSHOP ON DJANGO

Mr. P. N. Ramesh , Assistant Professor in the stream of computer science and engineering at karpagam Institute of Technology and IBM certified professional in machine learning and deep learning provided the hands-on training for Django framework. The attendees gained valuable insights in Django frame work. The Workshop was successfully completed with feedback and vote of Thanks.







PROGRAM

04.03.2024







23.05.2024 Computer Science and Engineering





24.05.2024



TREE PLANTATION
ACTIVITY

29.05.2024







PLACEMENT Olighlights































PLACEMENT Olighlights

















rythmôs

CODINGMART





To Be Continued....





HACKWITHINFY Finalist



N. KAVIYA III CSE

SNS COLORS - A NATIONAL LEVEL DESIGN THINKING **CONTEST** II Prize



M. NISAR AHAMED P. DHANAVEL S. CHETHAN III CSE



III CSE



III CSE



M. MITHUN III CSE

QUEEN BEE'S HACK

II Prize



V. KAVIYA II CSE

III Prize



S. ANISHA II CSE





NPTEL



Mrs. P. A. Banupriya
v D DED

NPTEL Online Certification

This certificate is awarded to KALPANA C
for successfully completing the coarse

Effective Engineering Teaching In Practice
with a consolidated score of 61 %

Online Assignments 21.42/25 Proctored Exam 39.26/75

Total number of candidates certified in this course: 526







Jan-Feb 2024



















DR. K. KARUNAMBIKA

Taylor and francis group

Detection of Lung Cancer Using Deep Learning Techniques

MRS. C. KALPANA

GLOBAL AASAN RESEARCH PUBLICATION

Big Data Analytics

MRS. P.G.BANUPRIYA

AASAN Publications

Knowledge based intelligence system

MRS. R. SUBBULAKSHMI

AASAN Publications

Knowledge based intelligence system











Faculty Development Programs

DR. A. SABANAYAGAM

Emerging Trends in Computing Technologies

DR. R. MANIKANDAN

Deep Learning and IoT Driven smart applications

DR., P. N. RAMESH

Deep Learning and IoT Driven smart applications

MRS. K. KALAISELVI

Emerging Trends in Computing Technologies

MR. C. KARTHIKEYAN

Deep Learning and IoT Driven smart applications

MRS. C. KALPANA

Effective engineering teaching in practice

MRS. N. SUGANYA

Deep Learning and IoT Driven smart applications

MR. P. VIGNESH KUMAR

Effective engineering teaching in practice

MRS. P. G. BANUPRIYA

Design Thinking - A Primer

Deep Learning and IoT driven smart application

MR. N. SENTHIL PRABHU

Deep Learning and IoT Driven smart applications

Computer vision and Gen-Al Tools

Emerging Trends in Computing Technologies

MS. R. JAAZIELIAH

Emerging Trends in Computing Technologies

Enhancing Soft Skills and Personality





STAR PERFORMER



Mr. C. Karthikeyan
ASSISTANT PROFESSOR

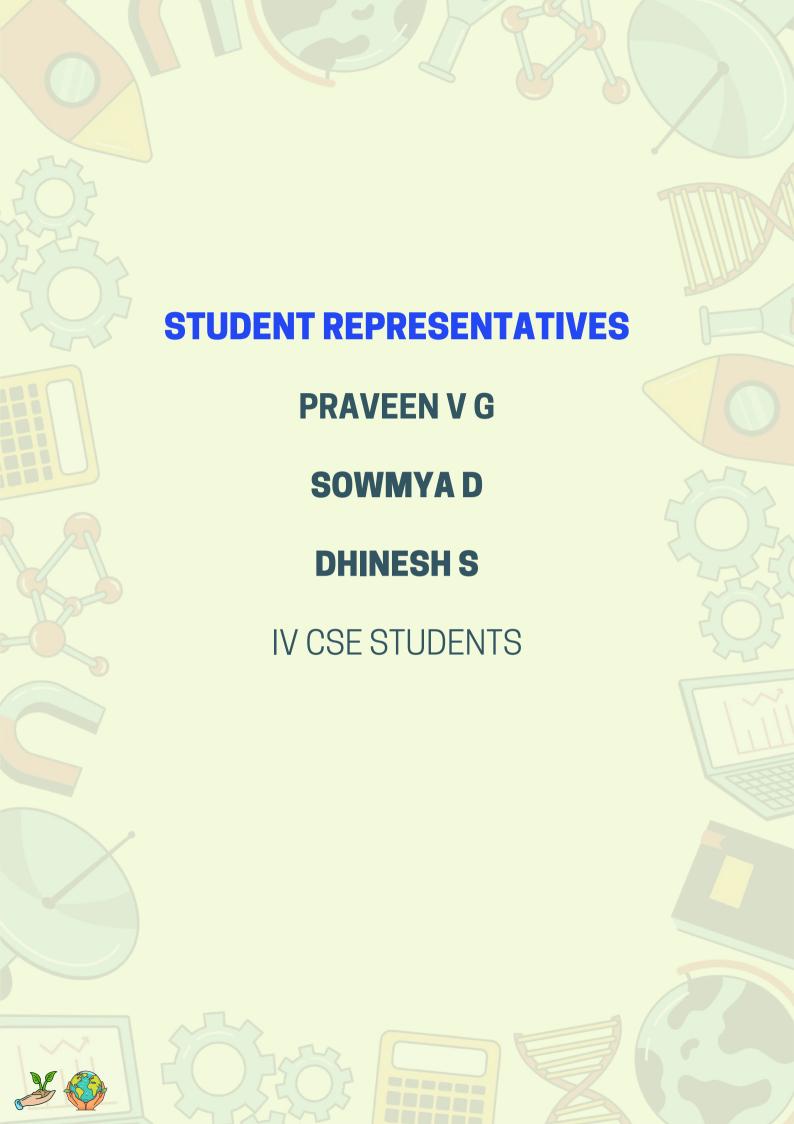
Virtusa graduate talent program













"Computer science is a science of abstraction - creating the right model for a problem and devising the appropriate Mechanizable techniques to solve it"