Vision

To contribute to the society through excellence in scientific and knowledge-based education utilizing the potential of computer science and engineering with a deep passion for wisdom, culture and values.

Mission

To promote all-round growth of an individual by creating futuristic environment that fosters critical thinking, dynamism and innovation to transform them into globally competitive professionals. To undertake collaborative projects which offer opportunities for longterm interaction with academia and industry.
To develop human potential to its fullest extent so that intellectually capable and optimistic leaders can emerge in a range of professions.

INSIDE THIS ISSUE:

COMPUTER SCIENCE & ENGINEERING

Dr. Jeethu V Devasia

"Only the goal gives meaning and satisfaction to life. It promotes health and gives you optimism in difficult times," said Steve Jobs. On the occasion of welcoming a new year, let us set new goals that can lead to success in our lives.

With the evolution happening in technology, especially in the field of computer science, we ought to learn and apply it while keeping the roots at the same time. Be strong in the foundation and keep building new levels of knowledge.

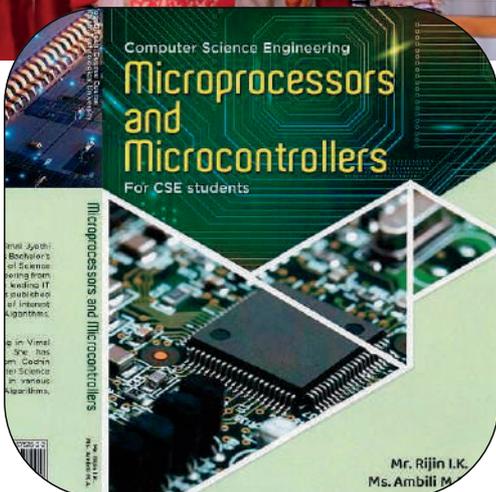I wish you all a Merry Christmas and a Happy New Year.

Book Publication

Mr. Rijin I K and Ms. Ambili M A published a text book on Microprocessors and Microcontrollers for CSE students.

Heartfelt congratulations

Computer Science Engineering
Microprocessors and Microcontrollers
For CSE students

Mr. Rijin I.K.
Ms. Ambili M

JYOTHIRGAMAYA

PTA meeting
2022 NOVEMBER

In the PTA meeting, Students' academic matters are discussed between parents and teachers. Prizes were also given to the class toppers.

The PTA meetings were conducted on the following dates.

S7 CSE   03/11/2022
S5 CSE   11/11/2022
S3 CSE   03/11/2022

INTERNAL QUALITY ASSURANCE CELL
in association with
TRAINING & PLACEMENT CELL, VJEC

CAREER GUIDANCE PROGRAM FOR ADVANCED LEARNERS

29th November 2022 - 1.00 pm to 4.00 pm

Session 1 : Higher studies Opportunities Abroad
Resource person : **Arya Mukesh**
Designation : General Manager
Insight International Study Abroad Pvt. Ltd.
Time : **1.00 PM to 2.30 PM**

Session 2 : Career after B. Tech through GATE
Resource person : **S Manimohan Trinath**
Designation : Faculty GATE, ESE & Competitive Exams
ACE Engineering Academy, Hyderabad
Time : **2.30 PM to 4.00 PM**

IN ASSOCIATION WITH
JETKING KOCHI
PRESENTS

Date: 11 November 2022
Time: 10 am
Venue: S7 CSE A CLASSROOM

PROFESSIONAL ORIENTATION

RESOURCE PERSON:
Jaikishen Ramakrishnan
(Center Director Jetking Kochi)

Ardhra Sathyan
(Operations Manager Jetking Kochi)

PROFESSIONAL ORIENTATION IN ASSOCIATION WITH JETKING FOR S7 CSE STUDENTS HELD ON 2022 NOVEMBER 11

Tomorrow's World Through Today's Education

STUDENT ACHIEVEMENTS

THE WOMENS TEAM WON THE GIRLS CATEGORY AND THE BOYS TEAM WON THE SECOND PLACE IN THE BOYS CATEGORY IN THE KTU INTERCOLLEGIATE BASKETBALL COMPETITION HELD AT VIMAL JYOTHI ENGINEERING COLLEGE ON 2022 NOVEMBER 12 & 13.

MS. ATHIRA K K & MS. MALAVIKA MANOJ, S5 CSE -C STUDENTS WON THE ACM & ACM-W POSTER DESIGNING CONTEST ORGANIZED ON NOVEMBER 25TH FOR THE INTERNATIONAL DAY FOR ELIMINATION OF VIOLENCE AGAINST WOMEN

CSI STUDENT CHAPTER ORGANIZED CONTEST ON "WEB DESIGN COMPETITION" FOR CSI COLLEGE WEBSITE ON 2022 NOVEMBER 11
**FIRST PLACE: VYSHNAV RAJESH -S3 CSE A
SECOND PLACE: NIPUN DAS-S5 CSE A**

ADVISORY MEETING

THE SECOND ADVISORY MEETINGS WERE CONDUCTED ON THE FOLLOWING DATES.

S3 CSE A	25/11/2022
S3 CSE B	25/11/2022
S3 CSE C	25/11/2022
S5 CSE A	29/11/2022
S5 CSE B	28/11/2022
S5 CSE C	28/11/2022
S7 CSE A	25/11/2022
S7 CSE B	25/11/2022

GAP FILLING ACTIVITY

Department of Computer Science & Engineering

Data structures Curriculum Gap Filling Activity- Real Time Applications of Data Structures using Neo4j

08.12. 2022, 2:00PM

Speaker
Mr. Nipun Das , S5 CSE,
VJEC

VIMAL JYOTI ENGINEERING COLLEGE
Department of Computer Science and Engineering

A HANDS-ON APPROACH TO FORMAL LANGUAGES AND AUTOMATA WITH JFLAP

A Gap Filling Activity -
CST 301 FORMAL LANGUAGES AND AUTOMATA THEORY

RESOURCE PERSON
Mr.Joshua Mathew,
S7 CSE A,
VJEC, Kannur.

Wednesday,
14th December 2022

02.00 PM - 04.00 PM

Varikkattu Hall

S5 CSE A, B & C

➤ **FACULTY CO-ORDINATORS**
Ms.Neena V V, Assoc.Professor, CSE
Ms.Thripthi.P.Balakrishnan,AP,CSE
Ms.Anit Thomas.M, AP,CSE

➤ **CONVENER**
Dr. Jeethu.V.Devasia
Head of the Department
Department of CSE.

Vimal Jyothi Engineering College
Department of Computer Science and Engineering

Building Networks with CISCO Packet Tracer

Topics

1. Setting a Network
2. Implementation of RIP and OSPF protocols

DECEMBER 06, 2022 02:00 PM
Venue: Varikkattu Hall

Mr. AKHIL K K
Assistant Professor
CSE , VJEC

Faculty Coordinators
Ms. Sreeraji Narayanan
Ms. Najira Salam
Ms. Sreedaya M

HOD, Dept. of CSE
Dr.Jeethu V. Devasia

IEEE COMPUTER SOCIETY ORGANIZED A WEBINAR ON "CYBER SECURITY AWARENESS" ON OCTOBER 29TH 2022

PROGRAMMING CLUB ORGANIZED 'WORKSHOP ON DSA' FOR ALL CSE AND ALIED BRANCH STUDENTS ON 2022 OCTOBER 10

ACM STUDENT CHAPTER & ACM-W CHAPTER ORGANIZED A WEBINAR ON "SKILL PATHS IN FULL STACK ENGINEERING" ON 2022 NOVEMBER 26

Mr. Abdul Latheef published a paper Network-Based Control for Nonlinear System in 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT).

PUBLICATIONS

WORKSHOP

Mr. Rijin I K and Ujwala Vijayan attended a webinar on "Cyber Security Awareness" organized by IEEE Computer Society on 29th October 2022

Ms. Divya K attended One Week International Workshop on "Recent Trends in Optimization Techniques for Challenging Engineering Applications" organized by the School of Electronics Engineering at VIT-AP University, Amaravati held from 21st October 2022 to 27th October 2022

Mr. Rijin I K attended "Introduction on MultiRobot systems: Challenges in the Next Future" Organized by IEEE Robotics and Automation Socity on November 4th 2022

Ms. Divya B and Ms. Neena V V Coordinate ACM Student Chapter & ACM-W chapter organized a poster designing contest on November 25th, International Day for Elimination of Violence Against Women.

Ms. Divya B and Ms. Neena V V Coordinate ACM Student Chapter & ACM-W chapter organized a Webinar on " Skill Paths in Full Stack Engineering" for VJEC students on 26th November 2022. The resource person was Ms. Lakshmipriya Venkitachalam, Senior Technical Architect, IBS Software.

New Faces

Sreedaya M
Assistant Professor

Farewell Meeting

Farewell meeting of Ms. Jyothsna on November 14th 2022

Farewell meeting of Sr. Jisha on November 28th 2022

NATIONAL LEVEL TECH FEST
2022 DECEMBER 5

TANTRA

TANTRA"22

DECEMBER 5 2022

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

PROGRAM SPECIFIC OUTCOMES

- An ability to apply development principles to analyze and design complex software and systems containing hardware and software components of varying complexity.

- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade-offs involved in design choices.

PROGRAM EDUCATIONAL OBJECTIVES

- Graduates will achieve broad and in-depth knowledge of Computer Science and Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.

- Graduates will make valid judgement, synthesize information from a range of sources and communicate them in sound ways appropriate to their discipline.

- Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Computer Science, but also that are important to society.

- Graduates will adapt to different roles and demonstrate leaderships in global writing environment by respecting diversity, professionalism and ethical practices.

'X' mas Celebration

Merry Christmas & Happy New Year 2023

THE EDITORIAL BOARD

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Sreelakshmi M
Assistant Professor

Student Editor
Dalven Jose S5 CSE A