VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ESPERANZA

INSIDE THIS ISSUE:

VISION OF THE DEPARTMENT

To contribute to 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 OF THE DEPARTMENT

To promote all-around growth of an individual by creating a futuristic environment that fosters critical thinking, dynamism, and innovation to transform them into globally competitive professionals.

To undertake collaborative projects which offer opportunities for long-term 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.

Conferment of Autonomous status

Vimal Jyothi Engineering College (VJEC) has achieved a remarkable milestone with the conferment of autonomous status by the University Grants Commission (UGC) of India.

- This significant achievement represents a pivotal moment in our college's progress, and we extend heartfelt gratitude to all who contributed to its realization.

Thrive project first phase completion

Participation in the successful completion of the THRIVE initiative, led by the Kannur District Administration and Samoohika Sanndhasena. This initiative is dedicated to addressing dropout rates among tribal students and promoting higher education opportunities, particularly at MRS Pattuvam. Our college contributed ten volunteers who played a crucial role in coordinating six days of sessions at MRS Pattuvam, with the Thrive Campus visit program standing out as a highlight. During our recent tech fest, Tantra'23, we had the pleasure of hosting students and faculty from MRS Pattuvam on our campus. Additionally, we're delighted to introduce "ഉയരെ" magazine, providing a platform for showcasing student talents in handwritten, printed, and digital formats. With two editors from our college, Ashik, and Jeffin, our involvement in the Thrive initiative is further strengthened.

Workshop on Entrepreneurship

Conducted workshop on 'entrepreneurship' for S6 CSE students

- Lt Col C Preveen served as the resource person for the event.

- The event saw participation from 180 students across three batches.

Workshop on
" ENTREPRENEURSHIP "

Resourse Person:

Lieutenant Colonel C Preveen
Co-founder, MD, and CEO of Ncode & Cmore
Global Consultancy and Services Pvt
Ltd

22/02/24, 23/02/24

9.00 am - 12. 00 pm
1.00 pm - 4.00pm

S6 CSE A , B and C
students

Classroom

Coordinators:
Mr. Abhiram P
Ms. Diya Rameshan

Convenor:
Ms. Divya B, HOD, CSE

C Bridge Course

- To offer students an opportunity to grasp the fundamental concepts of C programming, a workshop dedicated to C programming was held for S2 students on February 22nd and 23rd.

WORKSHOP ON

BASICS OF C PROGRAMMING

For all S2 Students

On 21st, 22nd and 23rd of February, 2024

Venue:
Software Systems Lab
Advanced Computing Lab
Computer Center

Resource People:
Ms. Neethu. R
Mr. Arun Mon
Ms. Derroll David

Faculty Coordinators:
Ms. Rajitha. K. V
Ms. Dinsha. P. K

Convenor: Ms. Divya. B
(HOD, CSE)

Online Workshop on "Intellectual Property Rights (IPR) & Patents and Design filing"

Hosted an online workshop on "Intellectual Property Rights (IPR) & Patent and Design Filing."

- The workshop was led by Dr. Silpa PA, an Indian Patent Agent and SIPP facilitator, who also serves as an Assistant Professor in the Electronics and Biomedical Department at Adi Shankara Institute of Engineering and Technology.

The expected outcomes included:

- - Obtaining insights into the legal and regulatory frameworks governing intellectual property rights, encompassing relevant laws, regulations, and international treaties.
- - Developing familiarity with the procedures associated with filing for patents and designs, including understanding documentation requirements, timelines, and legal considerations.
- - Cultivating an understanding among participants regarding potential risks and challenges associated with intellectual property.
- - Empowering participants to innovate confidently, with the assurance that their intellectual property rights are safeguarded and equipped with the knowledge and resources to effectively navigate the intellectual property landscape.

Add on course on Cyber Forensics for S4 CSE students

ADD ON COURSE CYBER FORENSIC

22 & 23 Feb 2024
Varikkattu Hall
9:00 am - 4:10 pm

Resource person :
Mr. Reji Vasanth V J
Chairman, MIBIZ Cyber Forensic Laboratory
Trivandram, Kerala

Add on course on Cyber Forensics was conducted on February 22nd and 23rd, 2024, specifically tailored for S4 CSE students.

DEPARTMENT OF CSE
ESPERANZA

workshop on ¨Research Methodology¨

The Department of Computer Science and Engineering (CSE) conducted a workshop on "Research Methodology."

VIMAL JYOTHI ENGINEERING COLLEGE

Department of Computer Science and Engineering

WORKSHOP ON RESEARCH METHODOLOGY

Participants:

S8 CSE Students & Faculties

Cordinators::

Ms. Dinsha P K , AP CSE
Ms. Rajitha K V , AP CSE

Resource Person:

Dr. Anto Sahaya Dhas
HOD, Department of Electronics and Communication Engineering
VJEC

Date: 05-03-2024
Time: 10.00 AM- 12.00 PM

Venue: Varikkattu Hall

IAS/IES Orientation Seminar

On 22/02/2024, S6 CSE students participated in an orientation seminar for IAS/IES at the Varikkattu Hall.

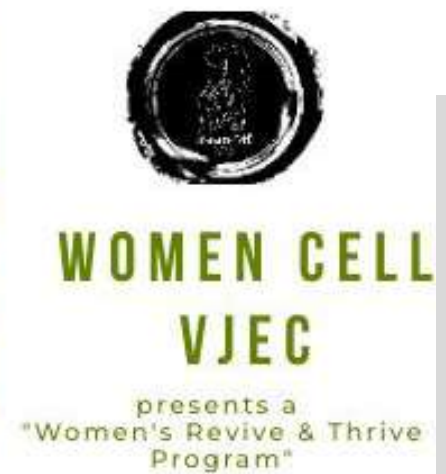# ADVISORY COMMITTEE MEETINGS & DEPARTMENT AUDITS

The second advisory session for S6 and S4 CSE classes occurred on March 15th, 22nd and 23rd . Under the guidance of senior faculty advisors, the sessions welcomed faculty advisors, course instructors, parent representatives, and student delegates.

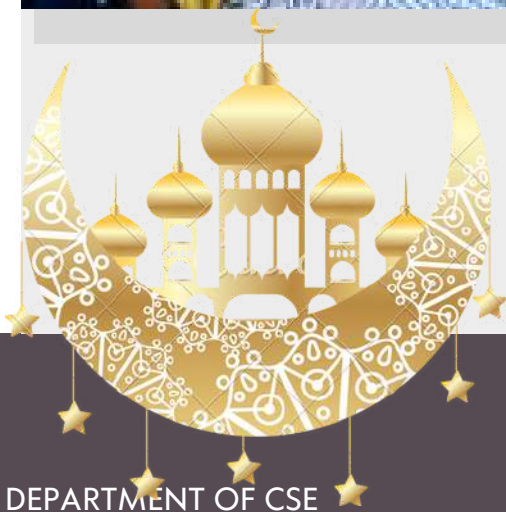The internal audit and visit by KTU took place in March.

Women's Revive and Thrive Program

- VJEC's Women Cell organized the Women's Revive and Thrive Program on March 19, 2024.

ANNUAL ATHLETIC MEET

- On March 21, 2024, the college held its sports day event under the guidance of a notable panel. Reverend Father Libin Ezhuparayil, the Administrative Assistant, Dr. Benny Joseph, the Principal, and Sri. Shaji M.A, an Associate Professor of Physical Education, served as members of the Jury of Appeal. Sri. Shaji M.A also assumed the role of Competition Director, while Ms. Jancy Joseph, an experienced Coach, officiated as the referee. The sports day featured a variety of events, highlighting the diverse talents and skills of the participating athletes.

PARENTS MEETING

- The S6 CSE PTA meeting was held on March 14, 2024, at 9:30 AM in Varikattu Hall. 57 parents attended. Ms. Divya B, the Head of the Computer Science and Engineering Department, welcomed everyone and talked about academic and co-curricular topics for third-year students. Dr. Benny Joseph, the principal, discussed academic activities, discipline, upcoming exams, and GATE exam support. Fr. Bibin Thekkedath, Assistant Administrator, talked about student facilities and hostel amenities. Toppers of the S6 first internal exam were awarded.

PARENTS MEETING

- The PTA meeting for S4 CSE students was held on March 7, 2024, at 9:30 AM in Varikattu Hall. They started with a prayer and remembered a student, Mr. Joel Jacob Dominic, who passed away. There were 18 parents from section A, 27 from section B, and 22 from section C. Ms. Divya B welcomed everyone and talked about the college's autonomy, exam results, and upcoming events. Cdr(Rtd) Raju K K talked about extra courses, upcoming exams, and internships. Father James Chellamkottu assured support for struggling students. Mr. Sebastian K J stressed punctuality, attendance, and good behavior. Mr. Justine M Augustine discussed placement opportunities and the importance of academics and additional qualifications. They also recognized top-performing students.

British Council's APTIS-ESOL Certification Orientation Session

- An orientation session regarding the British Council's APTIS-ESOL Certification was conducted on March 1st, 2024, at 11:00 AM.

S7 UNIVERSITY TOPPERS

GATE QUALIFIED STUDENTS

VIMAL JYOTHI ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CONGRATULATIONS

GATE 2024 QUALIFIED STUDENTS

ASWIN K
S8 CSE A

NANDANA KRISHNAN
S8 CSE C

ANSON LEON SEBASTIAN
S8 CSE B

ANIGETH K K
S8 CSE B

ABHINAV VISWANATH
S8 CSE B

ASHIK JOHNSON
S6 CSE A

AMITH T V
S6 CSE A

ADHARV S KUMAR
S6 CSE B

Congratulations to all the brilliant minds who have conquered the GATE exam! Their achievement speaks volumes about their dedication and expertise in the field of engineering. Here's to their future success and all the incredible opportunities that lie ahead! Keep shining bright!

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ESPERANZA

PROGRAM OUTCOMES (POs)

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 (PSOs)

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 (PEOs)

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

Graduates will make valid judgment, 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 the global writing environment by respecting diversity, professionalism and ethical practices.

The Editorial Board

STAFF EDITOR
Ms. Sreelakshmi M
Assistant Professor

STUDENT EDITOR
Mr. Dalven Jose, S8 CSE A

A dream becomes a goal when action is taken toward its achievement.

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