



**VIVEKANANDHA COLLEGE OF
ENGINEERING FOR WOMEN
(AUTONOMOUS)**

TECHIONZ

NEWSLETTER

**DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING**

JUNE'22-NOV' 22 VOLUME 1

ABOUT THE INSTITUTION

Vivekananda College of Engineering for Women, an Autonomous institution, affiliated to Anna university accredited by NAAC, AICTE, New Delhi, TCS and ANISO 9000:2008 certified institute started in 2001 with 144 students, acquired an Autonomous status in 2013 academic year stretching its arm widely towards the students strength of 2200 and faculty of 200 at present. The institute offering 7 U.G. Engineering Degree Programmes (CSE, IT, CST, ECE, EEE, BME & BT), 5 P.G. Engineering Degree Programmes (CSE, IT, PSE,BT and VLSI Design), and all departments are recognized as research Centers under Anna University.

VISION

To impart value – based education in Engineering and Technology to empower young women to meet the societal exigency with a global outlook.

MISSION

- To provide holistic education through innovative teaching – learning practices.
- To instill self confidence among rural students by supplementing with co – curricular and extra-curricular activities.
- To inculcate the spirit of innovation through training, research, and development.
- To provide industrial exposure to meet the global challenges.
- To create an environment for continual progress through life long learning.

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EDITOR'S DESK

It's our privilege to release the newsletter for this academic year 2022-23. We thank our team, staff members and the students for their kind cooperation.

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: 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.

PO4: 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.

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in Multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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 Educational Objectives (PEOs)

PEO1: Graduates will have successful careers with strong fundamental and technical skills in industry that meet the needs of Indian and multinational companies.

PEO2: Graduates will become successful entrepreneurs with determination, development, self-reliance, leadership, ethic and moral values to exploit employability.

PEO3: Graduates will pursue higher education and engage in lifelong learning to foster personal and organizational growth.

Program Specific Outcomes (Psos)

Graduates of Computer Science and Engineering will be able to

PSO1: Develop computational solution to complex real world problems with modern programming tools.

PSO2: Demonstrate basic knowledge of computer applications and apply standard practices in developing feasible solutions for IT enabled services.



HoD'S MESSAGE

**Dr.C.POONGODI,
HoD/CSE**

It gives me great pleasure to congratulate students, faculty members and staff of Computer Science and Engineering (CSE) Department for the first publication of Newsletter in the academic year 2022-23. Newsletter offers valuable insights, tips and resources that inform and educate the students. It reaches the students inbox directly ensuring better visibility. In the era of engineering and technology this newsletter will motivate the faculty members and students to share their creativity and new ideas with the world, and it will help in their overall development. I am confident that the students of the CSE department would justify the credibility of the department by showing a high level of professional competence in their respective field.

I wish Best of Luck to all my dear students and the faculty members....!!!

DEPARTMENT VISION & MISSION

DEPARTMENT VISION

To empower women technocrats in the field of Computer Science and Engineering and prepare them for globalized high-tech society to orient them towards serving the dynamic needs of our nation.

DEPARTMENT MISSION

- **To foster and strengthen the core competence of Computer Science by adopting innovative methods.**
- **To elevate the research, entrepreneurial and employability skills in women technocrats through quality education.**
- **To induce values of professional ethics and spirit of social commitment among the student.**

BONTONZ'2K22

September 28th ,2022 28th September 2022, CSE association Bontonz 2k22 was inaugurated by our chief guest Mr.R.Saravana kumar, Former Director-Honorary Tresurer Computer Society Of India Coimbatore Chapter and our alumnae Ms.K.G.Gowri, Module Lead, Sopra Steria, Chennai. Mr.R.Saravana kumar delivered about the importance of CSI student membership benefits. Ms.G.Gowri delivered the scope of Web Application Development in IT industries and “How to face the interview?” which was very useful to the students.



Special address was given by Dr.K.C.K.VijayKumar, Principal, VCEW. The function was coordinated by the staff coordinator of CSE association, faculty and students.

TECH INFO

ChatGPT over Google?

Artificial intelligence is taking the world by a storm and some of the recent innovations, such as ChatGPT, having been blowing away people minds.



ChatGPT (Chat Generative Pre-trained Transformer) is a chatbot launched by OpenAI in November 2022. OpenAI trained the model to have a conversation with the user on the other end.

There are various reasons why Chat GPT may not be working for you. A common cause stems from a bunch of users trying to use the chatbot at the same time. Usually, this leads to a server overload issue (capacity problem), where many people get locked out of the site

“The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject in appropriate requests”, explained OpenAI.

As per a recent report from The New York Times, Google is quite worried about Chat GPT’s existence because it could, in turn, pose a threat to Google’s search business.

This is because these AI chatbots make us think as to why one should use Google Search when one can straight up ask questions to AI who can give a more exact response to the query with an added advantage of a human touch.

Does Google have a counter plan?

An organisation as big as Google doesn’t lack resources by any means and can put them to good use whenever they feel their existence is being threatened

Google knew where the world is moving and it already show cased its chatbot back in 2021. Google's technology is called LaMDA, which is short for Language Model for Dialogue Applications. Whatever the case may be, Google already has its counter plan in works if at any given point of time things go sideways for the company.

Can Chat GPT be an alternative to Google Search? In its current stage, No, Chat GPT cannot serve as an alternative to Google Search. This is because the credibility of chatbots like Chat GPT is still not at a stage where it can be fully trusted over Google Search. If at any point in future, Chat GPT or other chatbots become as credible as Google, then the search giant would already have countermeasures set in place so no one can do what Google does best.

SOURCELINK:

<https://www.themobileindian.com/news/chat-gpt-can-it-be-an-alternative-to-google-search>

-K. Sanjana
III CSE-B

PRODUCT INFO

Radeon™ RX 7900 XTX:

KEY FEATURES:

- Powered by AMD Radeon™ RX 7900 XTX
- Integrated with 24GB GDDR6 384-bit memory interface
- AMD Infinity Cache™ technology
- Features HDMI™ 2.1 x1, DisplayPort™ 2.1 x2, USB Type-Cx1

SPECIFICATIONS:

- Graphics Processing- Radeon™ RX 7900 XTX
- Core Clock
 - Boost Clock* : up to 2500 MHz
 - Game Clock* : up to 2300 MHz
- Stream Processors - 6144
- Memory Clock- 20 Gbps
- Memory Size- 24 GB
- Memory Type- GDDR6
- Memory Bus- 384 bit
- Card Bus- PCI-E 4.0
- Digital max resolution- 7680x4320

-K. Sandhiya
III CSE-B

VETERAN

STEVEN PAUL JOBS



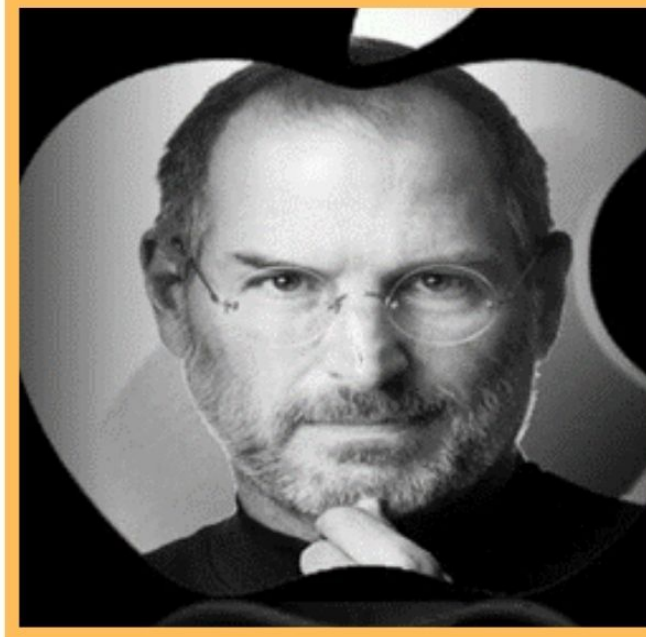
Steven Paul Jobs American entrepreneur, industrial designer, business magnate, media proprietor, and investor. He was the co-founder, chairman, and CEO of Apple; the chairman and majority shareholder of Pixar; a member of The Walt Disney Company's board of directors following its acquisition of Pixar; and the founder, chairman, and CEO of Next. He was born on February 24, 1955, San Francisco, California, U. S. He is widely recognized as a pioneer of the personal computer revolution of the 1970s and 1980s, along with his early business partner and fellow Apple co-founder Steve Wozniak. Jobs attended Reed College in 1972 before withdrawing that same year. He and Wozniak co-founded Apple in 1976 to sell Wozniak's Apple I personal computer.

Together the duo gained fame and wealth a year later with production and sale of the Apple II, one of the first highly successful produced microcomputers. Jobs saw the commercial potential the Xerox Alto in 1979, which was mouse-driven and had a graphical user interface (GUI). This led to the development of the unsuccessful Apple Lisa in 1983, followed by the breakthrough Macintosh in 1984, the first mass produced computer with a GUI. The Macintosh introduced the desktop publishing industry in 1985 with the addition of the Apple LaserWriter, the first laser printer to feature vector graphics.

After a long power struggle with the company's board and its then-CEO, John Sculley. That same year, Jobs took a few Apple employees with him to found Next, a computer platform development company that specialized in computers for higher-education and business markets. In addition, he helped to develop the visual effects industry when he funded the computer graphics division of George Lucas's Lucasfilm in 1986. The new company was Pixar, In 1985, Jobs was forced out of Apple which produced the first 3D computer-animated feature film Toy Story (1995) and went on to become a major animation studio, producing over 25 films since.

In 1997, Jobs returned to Apple as CEO after the company's acquisition of NeXT. He was largely responsible for reviving Apple, which was on the verge of bankruptcy. He worked closely with English designer Jony Ive to develop a line of products that had larger cultural ramifications, beginning with the "Think different" advertising campaign and leading to the Apple Store, App Store (iOS), iMac, iPad, iPod, iPhone, iTunes, and iTunes Store.

In 2001, the original Mac OS was replaced with the completely new Mac OS X (now known as macOS), based on NeXT's NeXTSTEP platform, giving the operating system a modern Unix-based foundation for the first time. In 2003, Jobs was diagnosed with a pancreatic neuroendocrine tumor. He died of respiratory arrest related to the tumor on October 5, 2011, at the age of 56. In 2022, he was posthumously awarded the Presidential Medal of Freedom.



Even while terminally ill in the hospital, Jobs sketched new devices that would hold the iPad in a hospital bed. He despised the oxygen monitor on his finger, and suggested ways to revise the design for simplicity.

Since his death, he has won 141 patents, more than most inventors during their lifetimes. He holds over 450 patents in total.

Awards and Honors :

1985: National Medal of Technology 1987: Jefferson Award for Public Service 1989: Entrepreneur of the Decade by Inc

1991: Howard Vollum Award from Reed College 2012: Grammy Trustees Award

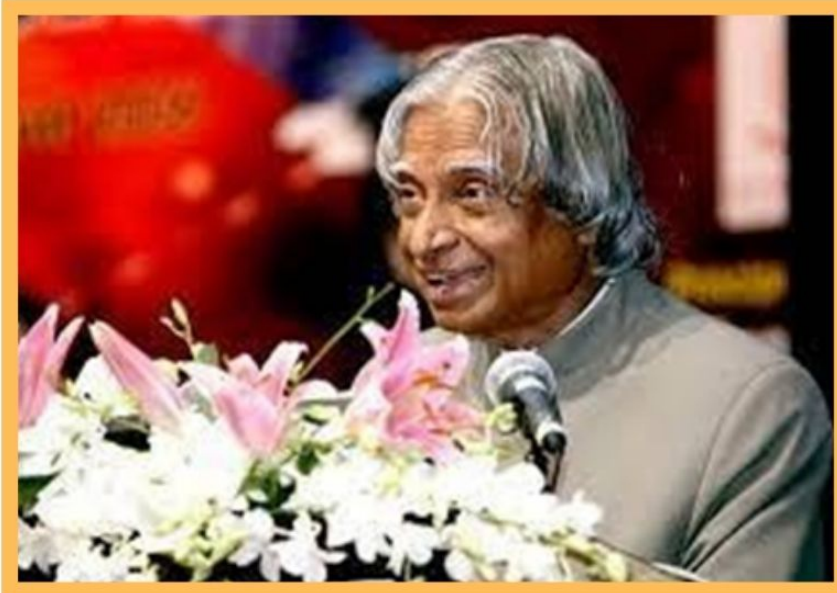
2022: Posthumously awarded the Presidential Medal of Freedom by US President Joe Biden, the country's highest civilian honor.

SOURCE LINK:

https://en.wikipedia.org/wiki/Steve_Jobs

-T. Prarthana
III CSE B

DR.A.P.J. ABDUL KALAM



Dr. APJ Abdul Kalam is a famous name in the whole world. He is counted among the greatest scientists of the 21st century. Even more, he becomes the 11th president of India and served his country. He was the most valued person of the country as his contribution as a scientist and as a president is beyond compare. Apart from that, his contribution to the ISRO (Indian Space Research Organization) is remarkable.

He headed many projects that contributed to the society also he was the one who helped in the development of Agni and Prithvi missiles. For his involvement in the Nuclear power in India, he was known as “Missile Man of India”. And due to his contribution to the country, the government awarded him with the highest civilian award.

Career and Contribution of APJ Abdul Kalam:
APJ Abdul Kalam was born in Tamil Nadu. At that time the financial condition of his family was poor so from an early age he started supporting his family financially. But he never gave up education. Along with supporting his family he continued his studies and completed graduation. Above all, he was a member of the Pokhran nuclear test conducted in 1998.

There is a countless contribution of Dr.APJ Abdul Kalam to the country but he was most famous for his greatest contribution that is the development of missiles that goes by the name Agni and Prithvi.

Awards and Honors:

During his lifetime Dr. APJ Abdul Kalam was not only awarded and honoured by Indian organization and committees but also by many international organizations and committees.

Presidency Period:

The great missile man becomes the President of India in 2002. During his presidency period, the army and country achieved many milestones that contributed a lot to the nation. He served the nation with an open heart that's why he was called 'people's president'.

But at the end of his term period, he was not satisfied with his work that's why he wanted to be the President a second time but later on forfeited his name.

Post-presidency Period:

After leaving the presidential office at the end of his term Dr. APJ Abdul Kalam again turn to his old passion which is teaching students. He worked for many renowned and prestigious institute of India located across the country. Above all, according to his the youth of the country is very talented but need the opportunity to prove their worth that's why he supported them in their every good deed. Get the huge list of more than 500 Essay Topics and Ideas



The power of dreams:

Top ranking CBSE School_Dr Kalam dream big_The Camford School Coimbatore “Dream, dream, dream. Dreams transform into thoughts and thoughts result in action,” is one of his famous quotes. As someone who was a living example of what hard work can achieve, he would say,” Every pain gives a lesson and every lesson changes a person,” he would say. His own life was an example of triumph over adversities. While was born in a poor family, he did not deter him from dreaming big. The young Kalam through the dent of sheer hard work, rise up in life and became a leading scientist.

Writings and Character:

During his lifetime, Dr.APJ Abdul most Kalam wrote many books but his notable work was 'India 2020' which have an action plan to make India a superpower.

Dr. APJ Abdul Kalam was a man of simplicity and integrity. He was so busy at work that he rises up early in the morning and work till late hours after midnight.

Death of APJ Abdul Kalam:

He died during delivering a lecture to students in Shillong by sudden cardiac arrest in 2015. He was an outstanding scientist and a pioneer engineer who served his entire life for the nation and died while serving it. The man had the vision to make India a great country.

SOURCE LINK:

<https://www.britannica.com/biography/A-P-J-Abdul-%20Kalam>

**U.M.Geethapriya
III CSE A**

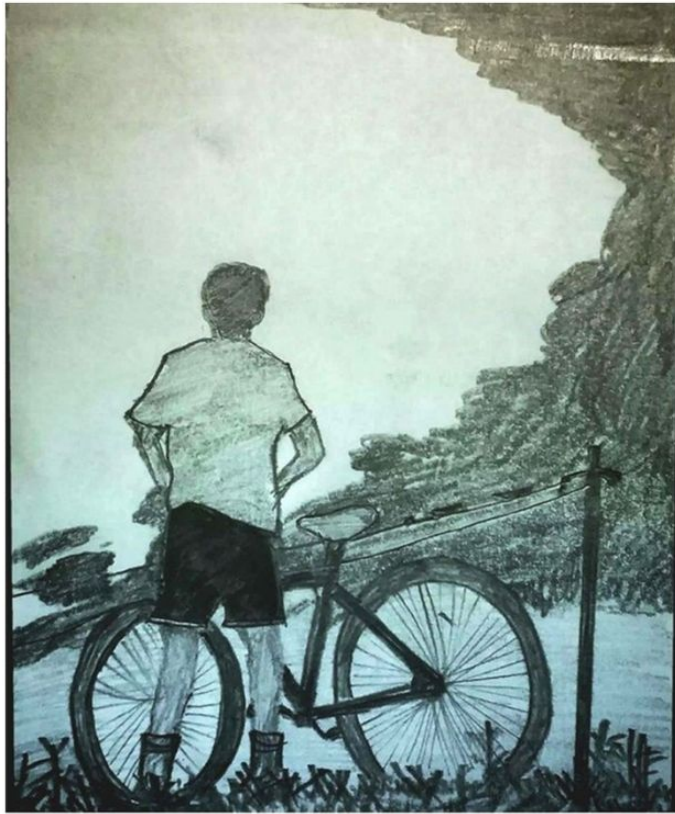
Arts



C.SNEGA
III CSE B



K.SANJANA
III CSE B



S. YASOTHA
III CSE A



P. MANISHA
III CSE B

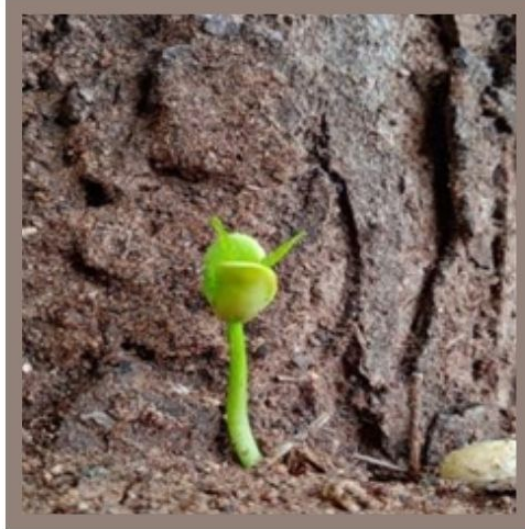


P. SUBHASHINI
II CSE B



G. CHARUMATHI
III CSE A

Photography



C.SNEGA
III CSE B



M.SHARMILA
III CSE B

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"Vidhya Rathna"

Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,
Chairman & Secretary

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- * SWAMY VIVEKANANDHA COLLEGE OF PHARMACY
- * VIVEKANANDHA COLLEGE OF NURSING
- * VIVEKANANDHA SCHOOL OF ANM
- * SWAMY VIVEKANANDHA PHYSIOTHERAPY COLLEGE
- * VIVEKANANDHA ALLIED HEALTH SCIENCE COLLEGE (Co - Ed)
- * KRISHNA INSTITUTE OF OPTOMETRY AND RESEARCH
- * KRISHNA INSTITUTE OF HEALTH SCIENCE & RESEARCH (Boys)
- * KRISHNA INSTITUTE OF HEALTH SCIENCE (Boys)
- * VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)
- * VIVEKANANDHA COLLEGE OF TECHNOLOGY FOR WOMEN
- * VIVEKANANDHA INSTITUTE OF INFORMATION AND MANAGEMENT STUDIES
- * VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)
- * VIVEKANANDHA COLLEGE FOR WOMEN
- * VIVEKANANDHA COLLEGE OF EDUCATION FOR WOMEN
- * KRISHNA COLLEGE OF EDUCATION FOR WOMEN
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- * VIVEKANANDHA PHARMACY COLLEGE FOR WOMEN
- * VIVEKANANDHA ANM SCHOOL
- * VIVEKANANDHA INSTITUTE OF HEALTH SCIENCE (Boys)
- * RABINDHARANATH TAGORE COLLEGE OF EDUCATION FOR WOMEN
- * VISWABHARATHI COLLEGE OF EDUCATION FOR WOMEN
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