EASWARI ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

BHARATHI SALAI, RAMAPURAM, CHENNAI 600089

DEPARTMENT OF CSE

CONNECTRIX

2023 - 2024

JULY

VOLUME 1

ISSUE 2

EASWARI ENGINEERING COLLEGE

AUTONOMOUS

COMPUTER SCIENCE AND ENGINEERING

VISION

To impart quality education in the field of computer science and engineering and to provide graduates with technical skills enabling them to contribute to the society by solving real world problems and to become a centre of excellence for advanced computing.

NEWSLETTER
JULY EDITION
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VOLUME 1 ISSUE 2

MISSION

M1. To provide strong foundation in computer science and engineering and in problem solving techniques to become successful professionals in the field of computing and prepare them for higher education.

M2. To provide students with latest skills in the field of computer science and engineering and to realize the importance of life-long learning.

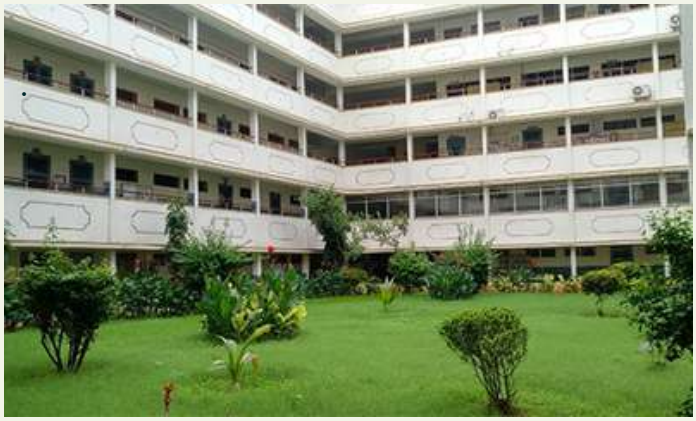
M3. To produce graduates with the ability to participate in interdisciplinary collaborations and apply recent computing tools and technologies in new domains and industry.

M4. To produce graduates capable of ethically and responsibly approaching and committing themselves to the social impact of computing.

M5. To prepare students to communicate effectively and exhibit leadership qualities to work on diverse project teams.

M6. To provide research environment for students and faculty to undertake inter-disciplinary research in emerging areas.

CONTENTS



PROGRAMME EDUCATIONAL OBJECTIVES

PEO 1

Graduates will possess the ability to think logically and have capacity to understand technical problems and to design optimal solutions for a successful career in industry, academia and research.

PEO 2

Graduates will have foundation in mathematical, scientific and computer science and engineering fundamentals necessary to formulate, analyze and solve engineering problems.

PEO 3

Graduates will have the potential to apply their expertise and current technologies across multiple disciplines to solve real world challenges and research issues.

PEO 4

Graduates will have the ability to work as a team and will be able to promote the design and implementation of products and services with an understanding of its impact on economical, environmental, ethical, and societal considerations through their strong interpersonal skills, leadership quality and entrepreneurial skills.

PEO 5

Graduates will possess an urge to learn continuously and to be responsive to the demands of the progressive industrial world by carrying out researches in frontier areas of computer science and engineering.

PROGRAMME SPECIFIC OUTCOMES

PSO 1

Analyze , design and develop computing solutions by applying foundational concepts of computer science and engineering.

PSO 2

Apply software engineering principles and practices for developing quality software for scientific and business applications.

PSO 3

Adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/ novel problems.

PROGRAMME 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, 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.

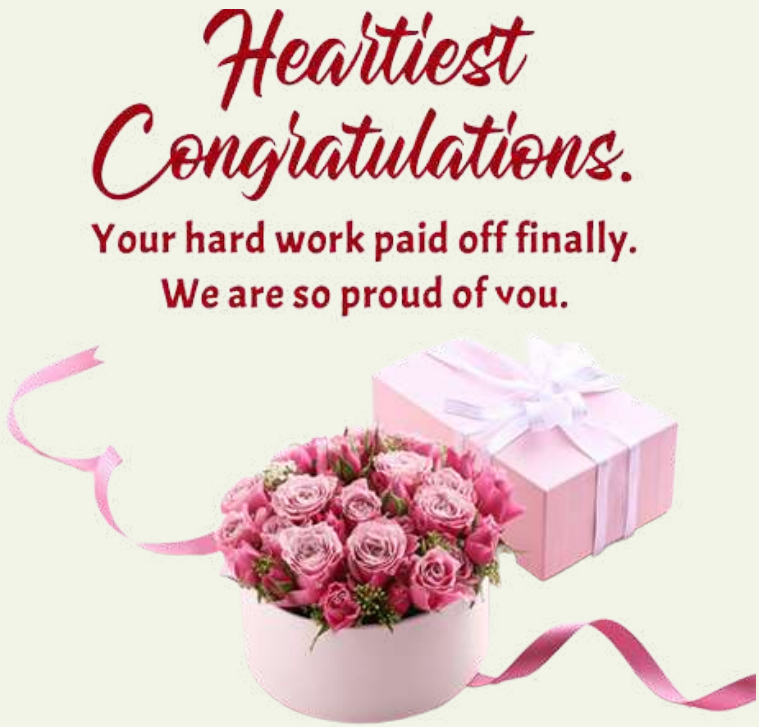
Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PLACEMENTS

S.NO	REGISTER NUMBER	NAME OF THE STUDENT	PLACEMENT
1	310620104128	SARAVANA KUMAR C	VISUAILABS
2	310620104143	SIDESH S	RAPID DATA

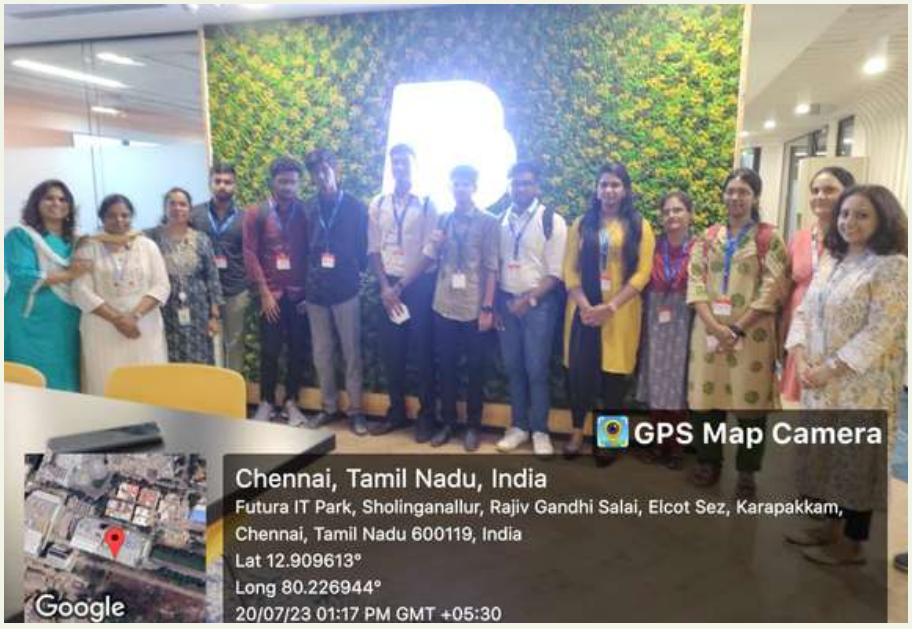
"DOING THE BEST AT THIS MOMENT PUTS YOU IN THE BEST PLACE FOR THE NEXT MOMENT.

-OPRAH WINFREY



PAYPAL VOLUNTEERING

A group of students from 3rd year attended the paypal volunteering session on 20-07-23 at Paypal Chennai Office through offline and virtual mode.

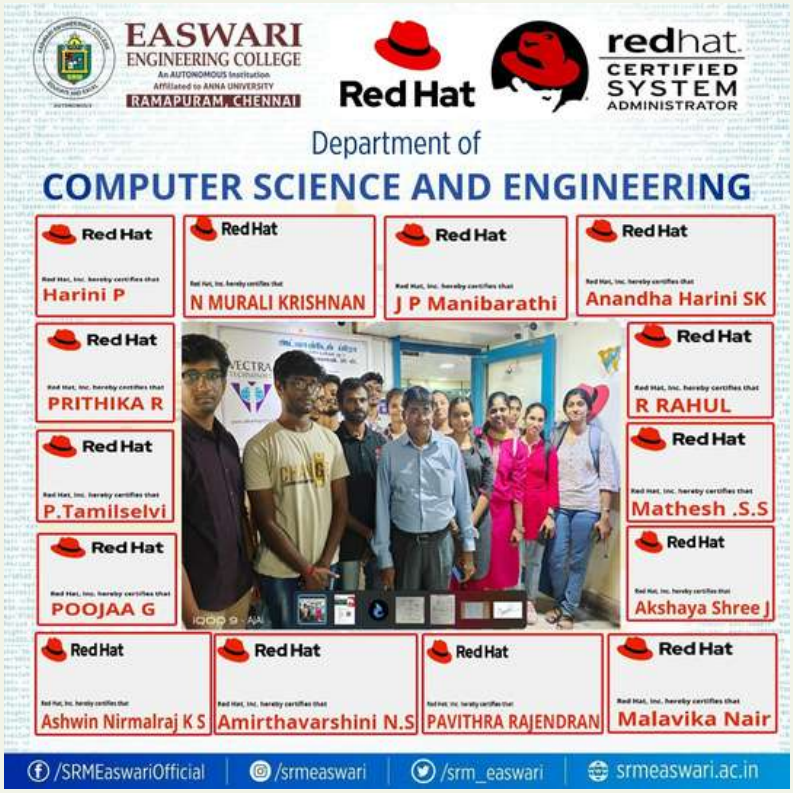


REDHAT CERTIFICATIONS

Students of 3rd year Computer Science department had successfully completed the global redhat certification course

Reg NO	Name
310621104009	Akshaya Shree
310621104011	Amirthavarshini N.S
310621104012	Anandha Harini SK
310621104020	Ashwin Nirmalraj NS
310621104048	Harini P
310621104089	Malavika Nair

Reg NO	Name
3106211040090	J P Manibarathi
310621104092	Mathesh .S.S
310621104098	N Murali Krishnan
3106211040117	Poojaa G
310621104124	Prithika R
310621104128	R Rahul



AMAZON FUTURE INDIAN (AFE) SCHOLARSHIP

Saadiya Malan I year CSE, Sangarathiriveni S I year CSE) from CSE department have been shortlisted for the award of Amazon Future Engineer (AFE) Scholarship provided by Amazon. Both will be receiving a scholarship amount of Rs. 40,000 / year until their graduation.

Along with financial award, Amazon will also provide mentorship. Skill building opportunities, networking opportunities and an opportunity to appear for an Amazon internship to the AFE scholars.

ARTICLE

NEUROMORPHIC COMPUTING

Neuromorphic computing is a method of computer engineering in which elements of a computer are modeled after systems in the human brain and nervous system. The term refers to the design of both hardware and software computing elements.

Neuromorphic engineers draw from several disciplines -- including computer science, biology, mathematics, electronic engineering and physics -- to create bio-inspired computer systems and hardware. Of the brain's biological structures, neuromorphic architectures are most often modelled after neurons and synapses. This is because neuroscientists consider neurons the fundamental units of the brain.

Neurons use chemical and electronic impulses to send information between different regions of the brain and the rest of the nervous system. Neurons use synapses to connect to one another. Neurons and synapses are far more versatile, adaptable and energy-efficient information processors than traditional computer systems Neuromorphic computing is an emerging field of science with no real-world applications yet. Various groups have research underway, including universities; the U.S. military; and technology companies, such as Intel Labs and IBM.

POPULAR AI TOOLS

VIDEO	Runway	Pictory	Descript
PRESENTATION	TOME	Decktopus	Gamma
WEBSITE	10WEB	Durable	Mixo.ai
PRODUCTIVITY	Notion.ai	Taskade	MeetGeek
UI/UX Design	Gencraft	Adobe Firely	Khroma
CONTENT	Opus Clip	Cohvesive	Maker.ai

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