



BUILDERS ENGINEERING COLLEGE

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
ISO 9001:2015 Certified Institution & Accredited by NAAC with B++ Grade

Erode Road, Nathakadaiyur, Kangeyam, Tirupur - 638 108, Tamil Nadu.

Ph : 04257 241935, 241545 | Fax : 04257 241885, Email : info@builderscollege.edu.in, www.builderscollege.edu.in

Paribhaashaa

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NEWS LETTER

Genesis:

The Department of Computer Science and Engineering, started in the year 2009, offers BE Computer Science and Engineering and M.E Computer Science programme was started in the year 2013 to meet the challenges of higher education, research, and innovation in key areas of computer science. The department aims to develop computer and software engineers who are industry-ready, innovative and entrepreneurial to become global leaders in research and technology. Students are encouraged to participate and present papers in both national and international conferences. The Computer Science and Engineering department is equipped with 306 computers with high-end configuration distributed across Seven laboratories with four blade-mounted servers and latest version software. The department is an active participant in various activities in the campus.

Highlights:

- Exemplary Placement Record
- Hands on Workshop on Trending Technology
- Academic Incentives for Top Performers
- Empowered Faculty Members who received National and International Awards
- Strong Industry Tie-Ups
- Smart Class Rooms & Learning Management Systems
- Students are given Opportunity to organize Major Events of the Department
- National level Champions in Sports and Games

Vision:

To be the most skilled software engineer provider.

Mission:

Endeavors to prepare rural students for successful career through academic and applied research as an inspiration for upcoming student community.

Program Specific Objectives (PSOs):

The Students will be able to,

- Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.
- Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.
- Ability to work effectively with various engineering fields as a team to design, build and develop system applications.

Editors:

1. Mr.S.Gopinath ,HOD/CSE
2. Dr.Maya.D,ASP/CSE



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.

COLLEGE VISION & MISSION

Vision:

To be the most preferred knowledge provider.

Mission:

Builders Engineering College endeavors to prepare rural students for successful career through academic and applied research.

Programme Educational Outcomes (PEO):

PEO1

Should achieve success in their field of work, in future education and in their research.

PEO2

Shall consistently learn new things and hone existing talents to generate impactful, resource-saving and cutting-edge solutions.

PEO3

Must demonstrate strong communication abilities, a professional demeanour and ethical principles while designing and creating practical, multidisciplinary solutions that are technically sound, financially viable and socially acceptable.

EDITORIAL BOARD

FACULTY IN-CHARGE

Mr. S. Gobinath HoD/CSE AP (Sr.Gr)

Dr.D.Maya AsP/CSE

STUDENT MEMBERS

S.Deepak

M.Suguna

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From the Principal's Desk



Dr. S. Gopalakrishnan
Principal

It gives me an immense pleasure in welcoming you to Builders Engineering College (BEC), Nathakadaiyur, Tirupur 638 108. BEC (Formerly Erode Builder Educational Trust's Group of Institutions) was founded in the year 2009 by Erode Builder Educational Trust (EBET) with a vision to impart quality higher education to rural aspirants through innumerable institutions. It has been promoted by a group of likeminded visionaries with the unique objective of offering value based education to the students for a prosperous career.

BEC is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. The campus is eco-friendly and equipped with excellent infrastructure, qualified and well experienced faculty members who strive hard to attain academic excellence in higher education by empowering students with knowledge, wisdom and experience.

Over the past 14 years, the college has witnessed a strong blend of state-of-the-art infrastructure including incubation and innovation centres and dedicated human resource committed to provide professional education with thrust on Creativity, Technical and Innovation.

Since its inception, BEC creates excellent placement opportunities to the students to reach a spectacular position in their professional career and offers special training to develop the extracurricular skills.

I look forward to receiving you at Builders Engineering College to witness all new Outcome Based Education (OBE).

From the HoD's Desk



Mr. S. Gobinath
HoD

Department of Computer Science & Engineering commits to work towards developing Engineers with a rich blend of competent, technical, managerial and social skills and contribute to nation building. The Department takes the initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. To meet the vision and mission of the department, emphasis was given to practical skill based learning with recent technical tools in order to match the technical expectation of the corporate companies.

Students exhibit their innovative ideas, skills and potentials as final year projects and have won many awards at various levels. The state of the art infrastructure, experienced team of faculty strengthen effective teaching learning process ensuring quality technical education.

Events Organized

Guest Lecture on Artificial Intelligence

March 1, 2020

On March 1, 2020, an enlightening guest lecture on Artificial Intelligence took place at Nandha College of Technology, featuring V.S. Suresh Kumar as the distinguished speaker. The captivating discourse delved into the intricacies of Artificial Intelligence, unraveling its applications, advancements, and future prospects. Organized by Paribhaashaa, the event provided a platform for students and faculty to delve into the realms of cutting-edge technology, fostering a deeper understanding of AI's transformative impact on various industries. V.S. Suresh Kumar, with his profound insights and expertise, illuminated the audience, leaving an indelible mark on the intellectual landscape of the institution and inspiring a new wave of curiosity in the field of Artificial Intelligence.

BLITZ'20 - Inter & Intra-Department Technical & Non-Technical Events

March 11, 2020

BLITZ'20, held on March 11, 2020, orchestrated by Paribhaashaa, featured B. Sakthivel, TL of Software Development Technical Analyst at CTS. Drawing 160 participants, the event provided a dynamic platform for insights into software development trends. Attendees engaged in meaningful discussions, fostering a collaborative learning environment and contributing to both academic and professional growth.

Guest Lecture on Computer Architecture

March 13, 2020

On March 13, 2020, Paribhaashaa organized a Guest Lecture on Computer Architecture featuring Prof. K. Sudha Devi from Vivekanandha College of Technology for Women. The insightful lecture delved into the intricacies of computer architecture, attracting an audience of 50 attendees. This event, marked by intellectual exchange, enriched participants' understanding of this fundamental topic.

Student Participants:

Y. Jenifa, A. Santhosh, A. Vanmathi, M. P. Hariesh, and T. Ruthirapriya, all enrolled in the Block Chain program at Arjun Engineering College for the academic year 2019-20, represent a diverse cohort of aspiring professionals. Under the umbrella of Arjun Engineering College, these individuals collectively immersed themselves in the intricate world of Block Chain technology. Their shared academic journey reflects a commitment to exploring and understanding the complexities of this cutting-edge field, fostering a collaborative and dynamic learning environment within the college.

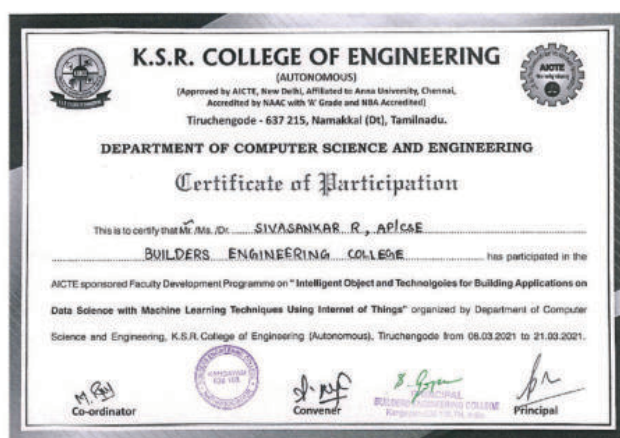
Faculty Participation



Builders Engineering College, Kangayam, proudly acknowledges its active participation in the 10-hour Faculty Development Program on Emotional Intelligence, an Online Live FDP organized by ICT Academy from February 23, 2021, to February 27, 2021. This certificate signifies our commitment to professional development.



Kumaraswamy Engineering College in Karur successfully conducted a two-week Faculty Development Programme sponsored by AICTE AQIS. The program, from January 27 to February 9, 2021, centered on H2O-based Artificial Intelligence in Data-Driven Analytics for Smart Applications. Aimed at enhancing faculty expertise, it empowered participants with advanced skills to adeptly leverage AI for insightful data analytics in the realm of smart applications.



This certificate acknowledges Mr. SIVASANKAR R's active participation in the AICTE-sponsored Faculty Development Programme on "Intelligent Objects and Technologies for Building Applications on Data Science with Machine Learning Techniques Using Internet of Things" at K.S.R. College of Engineering. Organized by the Department of Computer Science and Engineering from March 8 to March 21, 2021, the program enriched participants with insights into advanced technologies in the field.

Placement Activities



DEEKSHA M



VIJAYASHANKAR A



SAKTHI MAHESHWARAN N B



SANTHOSH N



Live more, Bank less

ASHOK KUMAR S



PRIYANKA K K
VAIJAYANTHI B
YOSUWA K
KAVIN KUMAR P
NAVEENKUMAR P



FOCUS EDUMATICS
ACCELERATING TRANSFORMATION

KARTHIKEYAN M
NIVETHA P
REVATHI R



RAGAVI V
SAKTHISREE S

HCLTech

SANDHIYA DEVI S
THAMARAISELVI. K
SUBAKAR. K
KAVIDHARSHINI. C



YASINIPRIYA A S
NAWIN R



SANTHOSH KUMAR C
VIGNESH J
BABY RANJINI V



SARANYA S
S.DEEPAK



THARUN KUMAR M