



BUILDERS ENGINEERING COLLEGE

An Entity of Kangeyam Group of Institutions

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai | ISO 9001:2015 Certified Institution | Accredited by NAAC | Recognized 2(f) status by UGC

EBET Knowledge Park, Nathakadaiyur, Kangeyam, Tirupur - 638 108, Tamil Nadu.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWS LETTER



Genesis:

The Department of Electrical and Electronics Engineering was started in the year 2010 and offers BE EEE programme in tune with the syllabi of Anna University. The department aims to develop electrical engineers who are innovative, entrepreneurial, and equipped to become global leaders in research and technology. The department has well qualified faculty members who are specialists in the fields of Power Electronics and Drives, VLSI Design, Applied Electronics and Power Engineering and Management. The faculty team includes a doctorate serving for the betterment of the students. The department has well equipped laboratories. The department provides an environment to students in such a way that they will be able to understand the core concepts including Electrical machines, Circuits and Networks, Power systems, Power Electronics, Electromagnetic theory, Instrumentation, Microprocessors and Microcontrollers and Electron Devices & Circuits.

Highlights:

- ◆ Facilitating students to acquire core competency in the field of electrical and electronics engineering
- ◆ Well Equipped Laboratories
- ◆ Well Equipped KGI's Tech Center
- ◆ Well Qualified and Experienced Faculty team
- ◆ One to one Mentoring for Professional Developments
- ◆ Internship with Stipend
- ◆ MOU's with Leading Industries
- ◆ Collaborating with Industry to provide Engineering solutions
- ◆ Excellent Placement record in Core & IT
- ◆ Smart Class Rooms
- ◆ Academic Incentives for Toppers

Vision:

To be the renowned department in creating highly talented, skilled and well-disciplined professionals in Electrical and Electronics Engineering.

Mission

- ◆ Having state of the art facilities for enabling students' to learn, understand, apply and disseminate knowledge.
- ◆ Improve employability through Industrial Interaction and Entrepreneurship.
- ◆ Develop the Professional Ethics and Human Values for the benefit of society.

Program Educational Objectives (PEOs):

- ◆ Shall flourish in their professional careers, further education, research, or as entrepreneurs.
- ◆ Must always learn new things and hone existing abilities to create solutions that have a big impact and are cutting-edge in terms of energy use.
- ◆ To create and build practical, multidisciplinary solutions that are technically sound, commercially viable and socially acceptable, graduates must have strong communication skills, a professional demeanour and ethical behaviour.

Programme Specific Outcomes (PSO):

- ◆ To understand the concepts of Electrical and Electronics Engineering and fundamental sciences to analyze and implement in research field.
- ◆ To take up roles in interdisciplinary projects, develop managerial skills and contribute towards the electrical community globally.

Events:

- ◆ Association Activities - AEEE - KRATU (The Power)
- ◆ Students Activities
 - ◆ Co - Curricular
 - ◆ Extra - Curricular

About the Institution

Builders Engineering College (Formerly known as Erode Builder Educational Trust's Group of Institutions) was established by Erode Builder Educational Trust (EBET) in the year 2009 as an integrated campus and presently functioning as a technical campus. It offers six UG Programmes (BE - Civil, CSE, ECE, EEE, Mechanical and B.Tech - AI&DS) with an intake of 330 students and four PG Programmes (ME - CEM, STR, CSE and MBA) with an intake of 114 students. Stepping into the fourteenth year of service, the Management, CEO, Principal and faculty members are committed to elevating the lives of budding rural aspirants through academics and research. The Chief Patrons are the pioneers in the field of infrastructure and construction all over India.

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.

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EDITORS IN CHIEF

Dr. S. Saravanan
Head of the Department

Dr. R. Palanisamy
Associate Professor

STUDENT EDITORS

Mr. R. Harishkumar
II Year

Mr. V. Santhoshkumar
III Year

Mr. T. Mugilan
III Year

Mr. R. H. Shreenidhi
IV Year

Mr. Y. Vignesh
II Year

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Tamilnadu, India - 638 108.

Electrifying the
Next-gen **ENGINEERS**



From **PRINCIPAL'S DESK**

Dear Faculty, Staff, Students, and Alumni,

Greetings to the vibrant community of Builders Engineering College!

As we embrace the opportunities and challenges of the new semester, I am filled with a sense of pride and excitement for all that lies ahead. Our college is not just a place of learning; it is a dynamic ecosystem where innovation, creativity, and excellence thrive.

I am pleased to report that our college continues to uphold its reputation for academic excellence and innovation. Our faculty members, renowned for their expertise and dedication, continue to inspire and mentor our students, shaping them into future leaders in the field of engineering.

This semester, we are embarking on several new initiatives aimed at enhancing the learning experience and providing our students with the skills and knowledge they need to succeed in an ever-evolving world. From cutting-edge research projects to industry partnerships and internships, there are abundant opportunities for our students to explore and grow.

I would like to extend my heartfelt appreciation to our faculty and staff for their tireless efforts in ensuring the smooth functioning of our college and for their unwavering commitment to our students' success. Your dedication is the driving force behind our college's continued progress and success.

To our students, I encourage you to make the most of the resources and opportunities available to you during your time at Builders Engineering College. Embrace challenges, pursue your passions, and never stop striving for excellence. Remember, the knowledge and skills you gain here will not only shape your future but also contribute to the advancement of society as a whole.

Finally, I want to express my gratitude to our esteemed alumni for their continued support and involvement in the college community. Your achievements serve as a source of inspiration for current and future generations of students, and we are proud to call you members of the Builders Engineering College family.

As we embark on this new semester together, let us reaffirm our commitment to excellence, innovation, and inclusivity. Together, we will continue to push the boundaries of knowledge and create a brighter future for generations to come.

Best wishes for a successful and fulfilling semester ahead!

Dr. S. Gopalakrishnan
Principal



From HoD's DESK

Dear Builders Engineering College Team,

As we move forward into [current month/year], I wanted to take a moment to express my gratitude for the dedication and hard work that each and every one of you has demonstrated. Despite the challenges we've faced, your commitment to excellence has been unwavering, and it has not gone unnoticed.

In the past month, we've achieved significant milestones and made remarkable progress towards our departmental goals. Whether it's through innovative research, effective collaboration, or exceptional teaching, your contributions continue to drive our department's success.

As we continue to navigate the ever-changing landscape of [field/industry], I encourage you to remain focused on our collective mission and vision. Together, we can overcome any obstacles that may come our way and continue to make a positive impact in our field.

I also want to remind you of the importance of self-care and work-life balance. Taking care of your well-being is essential, not only for your own health and happiness but also for your effectiveness as a member of our team. Remember to prioritize time for rest, relaxation, and rejuvenation.

In the coming weeks and months, let's continue to support each other, celebrate our achievements, and work towards even greater success. I have full confidence in our team's ability to rise to any challenge and achieve our goals together.

Thank you once again for your hard work, dedication, and passion for [department/field]. Together, we will continue to thrive and make a difference.

Warm regards,

Dr. S. Saravanan

HoD

From **EDITOR'S DESK**

Dear Readers,

Welcome to another edition of our newsletter, where we strive to bring you the latest updates, insights, and stories from our community. As we navigate through these dynamic times, it's more important than ever to stay connected and informed about the happenings within our organization.

In this issue, you'll find a diverse range of articles and features covering various topics of interest. From interviews with industry experts to highlights of recent achievements and events, there's something for everyone to enjoy and learn from.

We encourage you to take a moment to explore the contents of this newsletter and discover the wealth of knowledge and inspiration it has to offer. Whether you're a seasoned professional, a curious student, or simply someone with a passion for learning, we hope you'll find value in the stories shared within these pages.

As always, we welcome your feedback and suggestions for future editions. Your input helps us ensure that our newsletter continues to evolve and meet the needs of our readers.

Thank you for your continued support and enthusiasm. Together, let's make this newsletter a platform for sharing ideas, fostering dialogue, and celebrating the achievements of our community.

Happy reading!

Best regards,

Mr. R. Harishkumar **Mr. V. Santhoshkumar**

II - EEE

III - EEE

Mr. T. Mugilan

Ms. R. H. Shreenidhi

III - EEE

IV - EEE

Mr. Y. Vignesh

IV - EEE

Association **ACTIVITIES**



KRATU '22

On 17th September 2022, we had the honor of hosting Mr. J Leela Krishnan, the Technical Head of Renuka Industries in Coimbatore, as our esteemed Chief Guest for a guest lecture on recent developments in the core industry.



Faculty **DEVELOPMENT PROGRAMMES**

- Mr.V.Karthi Assistant Professor, Electrical and Electronics Engineering attended the Faculty development program on Renewable Energy Sources organized by NITTIR chennai on 27th June 2022 to 1st July 2022.
- Ms.M.Yuvarani, Assistant Professor, Electrical and Electronics Engineering attended the program on Rising EV 2Wheeler opinion survey organized by IGEN Research Survey on 22 nd July 2022.
- Ms.M.Yuvarani, Assistant Professor, Electrical and Electronics Engineering attended the Faculty development program on Recent Trends in Electric Vehicles organized by PSN College of Engineering & Technology from 25 th July to 29 th July 2022..
- Mr.V.Karthi, Assistant Professor, Electrical and Electronics Engineering attended the Faculty development program on Recent Trends in Electric Vehicles organized by PSN College of Engineering & Technology from 25 th July to 29 th July 2022.
- Mrs. R.Saranya, Assistant Professor, Electrical and Electronics Engineering attended the Faculty development program on Recent Trends in Electric Vehicles organized by PSN College of Engineering & Technology from 25th July to 29th July 2022.
- Ms.M.Yuvarani, Assistant Professor, Electrical and Electronics Engineering attended the Faculty development program on Design and Development of Industry Led Curriculum In Technological Era Organized by by AMET University from 25th July to 29th July 2022.
- Mr. Dr. S.Saravanan, Professor, Electrical and Electronics Engineering attended the Faculty development program on The Role of Artificial Intelligence in Renewable Energy Applications organized by KPR Institute of Engineering and Technology from 1st August to 5th August 2022.
- Mr. Dr. S.Saravanan, Professor, Electrical and Electronics Engineering attended the Faculty development program on Smart Grid and Renewable Energy Sources organized by NITTR, Chandigarh from 19 th to 23 rd September 2022.
- Mrs. R.Saranya, Assistant Professor, Electrical and Electronics Engineering attended the Faculty development program on Design and Development of Industry Led Curriculum in Technological Era organized by AME University from 14 th December to 22 nd December 2022.

- Mrs. R.Saranya, Assistant Professor, Electrical and Electronics Engineering attended the One Day POSH Awareness Program organized by Anna University Regional Campus, CBE on 21 st December 2022

WEBINAR

- Ms.M.Yuvarani, Assistant Professor, Electrical and Electronics Engineering attended webinar on Rising EV 2Wheeler opinion survey organized by IGEN Research Survey on 22 nd July 2022.
- Ms.M.Yuvarani, Assistant Professor, Electrical and Electronics Engineering attended webinar on Current Trends in Machine Learning and Medical approaches in Health care organized by Kongu Engineering College, Perundurai from 21 st to 22 nd July 2022.
- Mr.V.Karthi, Assistant Professor, Electrical and Electronics Engineering attended the program on Rising EV 2Wheeler opinion survey organized by Igen - The Institute of green Energy on 8 th August 2022.

SHORT TERM TRAINING PROGRAMME

- Mr. Dr. S.Saravanan, Professor, Electrical and Electronics Engineering attended the STTP MATLAB and Simulink for Beginners organized by NITTTR, Chandigarh from 19th September to 23rd September 2022

STUDENTS ACHIEVEMENTS

- On 02.07.2022 our student M.SARAN II year III semester participated in the event of foot ball Organized by CBSE SCHOOL and owns the first prize.
- On 31.07.2022 our student I.VETRISSELVAN II year III semester participated in the event of SILAMBAM Organized by TAMIL NADU IMPERIAL ALL MARTIAL ARTS and owns the winner title.
- On 21.08.2022 our student I.VETRISSELVAN II year III semester participated in the event of SILAMBAM Organized by WORLD UNION SILAMBAM FEDERATION STATE LEVEL and owns the winner title.
- Our student I.VETRISSELVAN on 24.08.2022 II year III semester participated in SILAMBAM Organized by TAMILNADU SILAMBAM MARTAIL ARTS ASSOCIATION and own TEAM SPARING, WINNER (2ND PLACE)