BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE
(AUTONOMOUS)
ODALAREVU – 533210, KONASEEMA DISTRICT, ANDHRA PRADESH

DEPARTMENT OF MECHANICAL ENGINEERING
A HALF-YEARLY NEWSLETTER

A.Y. 2022–23 | JAN – MAY | VOL 15 | ISSUE – 2

COVER LETTER

Date: May 2023

To
The Readers, Faculty, Students & Stakeholders

Subject: Release of Department Newsletter –
A.Y. 2022–23, JAN – MAY, VOL 15, ISSUE – 2

It gives me immense pleasure to present the Half-Yearly Newsletter of the Department of Mechanical Engineering, Bonam Venkata Chalamayya Engineering College (Autonomous), for the academic year 2022–23, covering the period January to May.

This newsletter showcases the academic achievements, research contributions, innovative practices, co-curricular activities, workshops, industrial interactions, student accomplishments, and various initiatives undertaken by our department during the first half of the academic year.

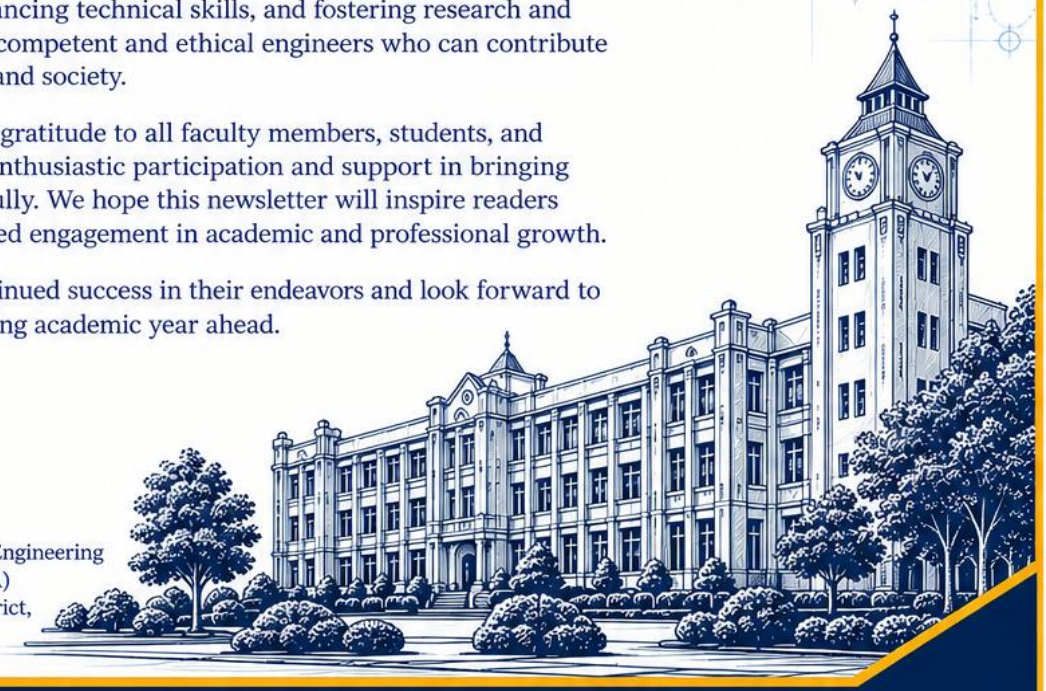
The Department of Mechanical Engineering is committed to imparting quality education, enhancing technical skills, and fostering research and innovation to produce competent and ethical engineers who can contribute effectively to industry and society.

We extend our sincere gratitude to all faculty members, students, and contributors for their enthusiastic participation and support in bringing out this issue successfully. We hope this newsletter will inspire readers and encourage continued engagement in academic and professional growth.

We wish everyone continued success in their endeavors and look forward to a productive and fulfilling academic year ahead.

With Regards,

Prof. B. Srinivas
Head of the Department
Department of Mechanical Engineering
BVC Engineering College (A)
Odalarevu, Konaseema District,
Andhra Pradesh – 533210



DEPARTMENTOFMECHANICAL

AHALF-YEARLYNEWSLETTER

Academic Year: 2022-23
Jan-May
Volume: 15
Issue - 2

BVC ENGINEERING COLLEGE(A)

Odalarevu-533210, Konaseema Dist.,AP
Tel:08856-245666,9849642742
Email:bvcec@hotmail.com

BVC ENGINEERING COLLEGE

(An autonomous institution)

Departmentof Mechanical Engineering

VisionandMissionoftheDepartment

VISION:

To provide valuable resources for industry and society through excellence in teaching, learning and research in the field of Mechanical Engineering

MISSION:

Impart quality education and training to produce successful entrepreneurs and globally competent engineers for meeting the current and future needs of Mechanical and allied Engineering Industries.

- Engage in research and development in cutting edge and sustainable technologies.
- Enhance industrial collaboration and professional ethics to serve the society



Dr.Bonam krishna satish

Chairman

Chairman'sMessage

It gives me immense pleasure to present this edition of the college newsletter. At BVC Engineering College, we are committed to fostering academic excellence, innovation, and ethical values among our students. This newsletter reflects the vibrant activities, achievements, and collective efforts of our students and faculty.

I congratulate the editorial team for their dedication in bringing out this publication and appreciate all contributors for showcasing their talents. Let this serve as a platform to inspire creativity, share knowledge, and celebrate success.

I wish all our students a bright and successful future

Principal'sMessage



I am pleased to present this edition of our college newsletter, which reflects the dynamic academic environment and achievements of BVC Engineering College. It is inspiring to witness the enthusiasm, creativity, and commitment of our students and faculty in various academic and co-curricular activities.This newsletter serves as a valuable platform for sharing knowledge, ideas, and accomplishments. I appreciate the sincere efforts of the editorial team and contributors in bringing out this publication successfully.I encourage all students to continue striving for excellence and uphold the values of discipline, innovation, and integrity.

Wishing you all a bright and successful future.

Dr. Chandra Mouli .V.S.M
Principal
BVC Engineering College

HOD's Message



It gives me great pleasure to share a few words through this newsletter. The Department of Mechanical Engineering at BVC Engineering College continues to strive for excellence in academics, research, and innovation.This newsletter is a reflection of the hard work, creativity, and technical skills of our students and faculty. It showcases various achievements, activities, and advancements within the department.I appreciate the efforts of the editorial team and contributors for bringing out this wonderful publication. I encourage all students to actively participate in such initiatives and continue to enhance their knowledge and skills.

Wishing everyone success in their future endeavors.

Prof.B.Srinivas
Head of the Department
Mechanical Engineering
BVC Engineering College

Faculty Details:

Sl.No	Name	Designation	Qualification
1	Dr. Chandra Mouli V.S.M	Principal	M.Tech., Ph.D
2	Prof. B. Srinivas	HOD	Ph.D
3	Dr. G. Narasa Raju	Professor	Ph.D
4	Dr.S.Vijay Kumar	Professor	Ph.D
5	Dr.Y.Sujatha	Professor	Ph.D
6	Mr. Y.V. Ramana Murty	Assoc. Prof.	M.Tech.
7	Mr. G. Venkateswara Rao	Assoc. Prof.	M.Tech.
8	Mr. N. Vasudeva Rao	Assoc. Prof.	M.Tech.
9	Mr. G. Ganesh	Asst. Professor	M.Tech.
10	Mr. S.S.S. Krishna Kumar	Asst. Professor	M.Tech.
11	Mr. N. Guru Murthy	Asst. Professor	M.Tech.
12	Mr.Ganta Raju	Asst. Professor	M.Tech.
13	Mr.B.Srikanth	Asst. Professor	M.Tech.
14	Mr.Ch.Vinodh	Asst. Professor	M.Tech.
15	Mr.Ch.Jaya Teja	Asst. Professor	M.Tech.
16	Mr. K. Krishna Chaitanya	Asst. Professor	M.Tech.
17	Mr. Manoj Kumar	Asst. Professor	M.Tech.
18	Ms.G.Sirisha	Asst. Professor	M.Tech.

Faculty publications/Patents/Conferences



Prof.B.Srinivas

1.Srikanth Kumari, M Geetha, **Bathula Srinivas** " Optimizing Tensile Strength and Hardness in Al-based Hybrid Composites via Stir Squeeze technique", 2nd International Conference on Smart Sustainable Materials and Technologies (ICSSMT 2023), Advances in Science, Technology & Innovation, https://doi.org/10.1007/978-3-031-49826-8_2; Springer Book Series (Scopus Indexed)

Bathula Srinivas & Ranga Janardhana, "Effect of strontium modifier on the microstructure, mechanical properties and fractography analysis of as-cast AlSi7Mg0.3 alloy", Advances in Materials and Processing Technologies", Taylor & Francis Publications, ISSN: 0921-5107 / 1873-4944, https://doi.org/10.1080/2374068X.2023.2201534

Bhiksha Gugulothu, P. S. Satheesh Kumar, Bathula Srinivas, Alapati Ramakrishna,and S. Vijayakumar, "Investigating the material removal rate parameters in ECM for Al5086 Alloy-Reinforced Silicon carbide/Flyash hybrid composites by using Minitab 18", ***Journal: Advances in Materials Science and Engineering,*** Hindawi Publishers; **SCI-E Indexed,** Vol.2021, pp.1-6; https://doi.org/10.1155/2021/2079811; ISSN: 1687-8442 (Online)

Dr. Y. Sujatha, Prof. B. Srinivas, "Profile Modification, Validation and Manufacturing of Spur Gear to Increase the Gear Tooth Strength, ***Journal of Shanghai Jiaotong University, Scopus indexed,*** Vol.17, pp.132-142, 2022;

Published an Invention on "3-Axis Actuator", The Patent Office Journal No. 52/2022 Dated 30/12/2022; (Application No. 202241072914 A)

Mr.Y.V.RAMANA MURTHY

1."*Fabrication and Characterization of Ly556 Epoxy based Glass fiber and Natural Fiber Composite Materials*, *Mathematical Statistician and Engineering Applications*" 2022,ISSN: 2094-0343-2326-9865.by Y.V.Ramana Murthy

2."*Microstructural and mechanical behaviour of hybrid composite aluminium reinforced withcashew nut shell ash and B4c particulates"*, Dogo Rangsang Research Journal, 2022, ISSN: 2347-7180 by Y.V.Ramana Murthy

` 3."*Optimization of Micro EDM Process parameters on Al7075/CNT Composite using grey relational Analysis"*, Dec 2021, ISSN: 0886-9367.

4."Optimization of Process parameters and selection of cutting tools for hard milling of Aluminium HE 15& HE 30", Nov2021, ISSN(online) 2456-0774

Dept of Mechanical Events Organized :

BVC GROUP
Pioneers
in
Engineering Education

BONAM VENKATA CHALAMAYYA
ENGINEERING COLLEGES



Hearty
Congratulations

to all **25 students** of III Year Mechanical Engineering at
BVC Engineering College, Odalarevu (Autonomous),
Who have Successfully Completed 12 Weeks
Applied Robot Control - Advanced Certification on Mechatronics & Robotics,

ORGANIZED BY DEPT. OF MECHANICAL ENGINEERING IN ASSOCIATION WITH APSSDC, EUROPEAN CENTRE FOR MECHATRONICS, GERMANY.

BVCEC IS ONE OF THE 31 APSSDC-ECM-CONVERGENCE TRAINING CENTRES ACROSS THE STATE OF ANDHRA PRADESH.



ARC — APPLIED ROBOT CONTROL

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A Guest talk on..
"Entrepreneurship Opportunities in Non-Conventional Power Generation"
by
Sri G.V.Krishna Rao
Sr.Manager (TPP)
Visakhapatnam Steel Plant
Date: Friday 4th August 2023
Organised by:
Department of Mechanical Engineering
BVC ENGINEERING COLLEGE (Autonomous), ODALAREVU


A Guest talk on..
"Design & Development of Fast Moving Agricultural and Domestic Tools"
by
Sri G.V.Krishna Rao
Sr.Manager (TPP)
Visakhapatnam Steel Plant
Date: Friday 4th August 2023
Organised by:
Department of Mechanical Engineering
BVC ENGINEERING COLLEGE (Autonomous), ODALAREVU


ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION
One Week Workshop
on
GPS Map Camera
Odalarevu, Andhra Pradesh, India
Mechanical Block, BVC Engineering College Rd, Odalarevu, Andhra Pradesh 533210, India
Lat 16.428109°
Long 81.983565°
12/09/24 10:15 AM GMT +05:30
Google


One Week Workshop
on


One Week Workshop
on
CATIA- Surface Design

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ODALAREVU - AUTONOMOUS

ACCREDITED WITH GRADE A NAAC

DEPARTMENT OF MECHANICAL ENGINEERING

CONGRATULATIONS
to our
III-II (2022-23) SEMESTER TOPPERS



P.S.SURYANARAYANA
21225A0342
9.16 SGPA
1st TOPPER



V.B.V.S.S.SAIRAM
21225A0361
9.02 SGPA
2nd TOPPER



T.V.D.ANJANEYULU
21225A0353
8.88 SGPA
3rd TOPPER



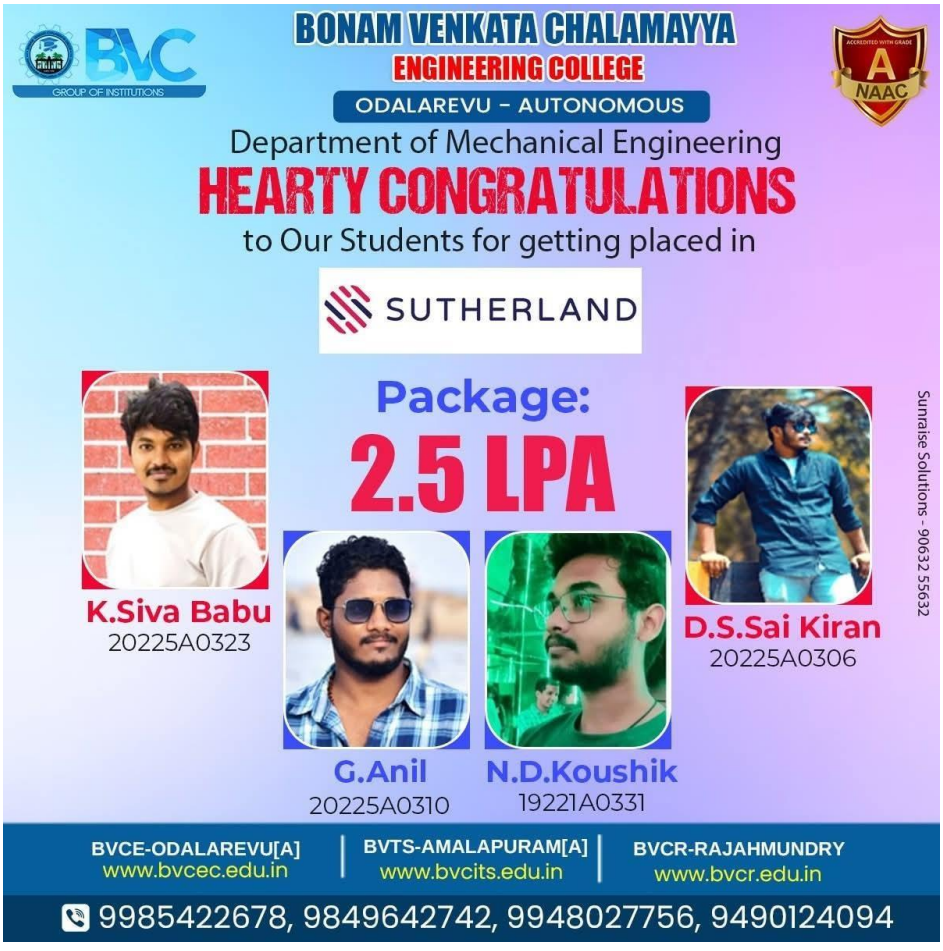
CH.N.PHANINDRA
21225A0306
8.88 SGPA
3rd TOPPER

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9985422678, 9849642742, 9948027756, 9490124094




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ENGINEERING COLLEGE
ODALAREVU – AUTONOMOUS
Congratulations to
Mr.Tatikayala Madhu,
BVCEC Student of IV Year Mechanical Engineering,
for winning 2nd Prize in the declamation event at
"YUVA UTSAV INDIA - 2023"
Organized by Nehru Yuva Kendra and BVC Engineering College
on 14.07.2023.
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BONAM VENKATA CHALAMAYYA
ENGINEERING COLLEGE
ODALAREVU – AUTONOMOUS
Department of Mechanical Engineering
HEARTY CONGRATULATIONS
to Our Students for getting placed in
SUTHERLAND
Package:
2.5 LPA
K.Siva Babu
20225A0323
G.Anil
20225A0310
N.D.Koushik
19221A0331
D.S.Sai Kiran
20225A0306
Sunraise Solutions - 90632 55632
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ESTD: 1997
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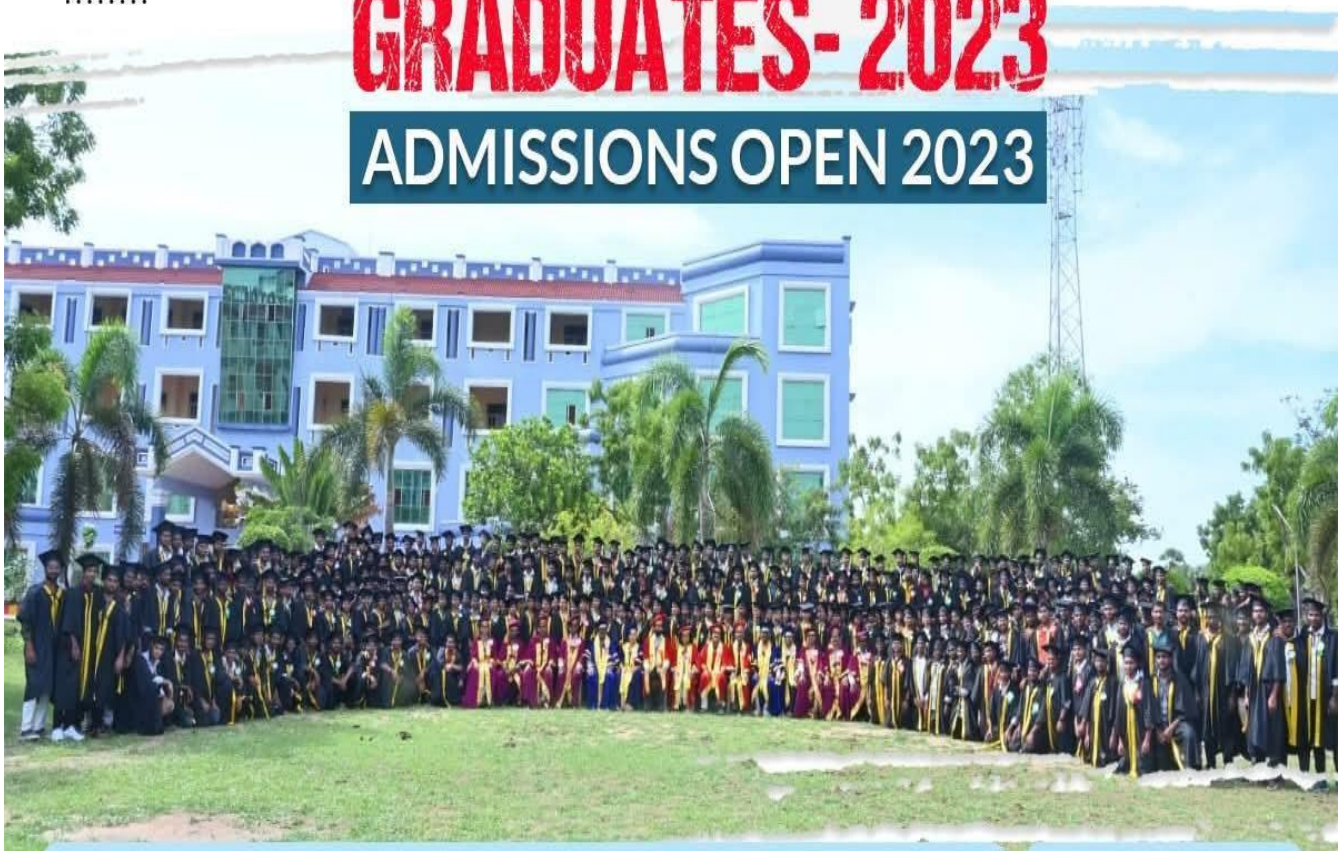
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GRADUATES- 2023

ADMISSIONS OPEN 2023



COURSES OFFERED:

B.Tech : Civil, Mech, EEE, ECE, CSE ,CSE(AIML), CSE(AIDS) & AIML

M.Tech : STRUCTURES, POWER ELECTRONICS, Adv Manufacturing Systems, EMBEDDED SYSTEMS & CSE

COUNSELLING CODE:

BVCE

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Editorial Board

Faculty Coordinator

Mr.G.Ganesh

Assistant Professor

Students Editors

B.S.Sai Vasu 21221A0306

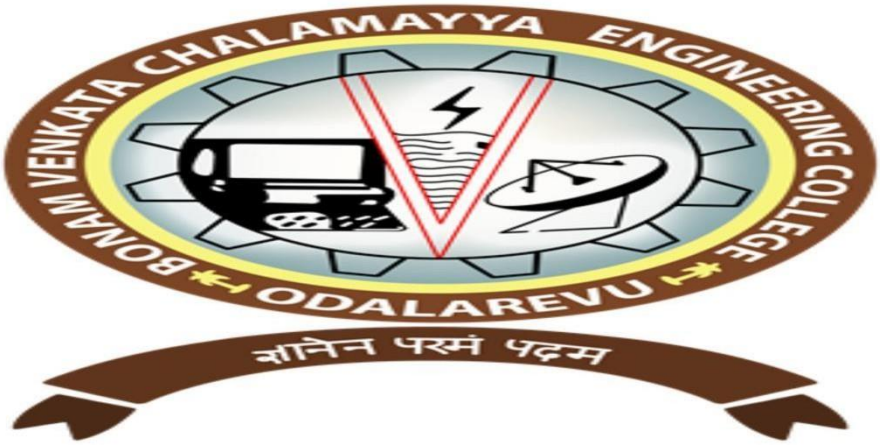
S.S.Varma 21221A0334

Ch.Bhanu Mahesh 22221A0309

Prepared by

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