BVC ENGINEERING COLLEGE (A)

(An Autonomous Institution)

Odalarevu - 533210, Konaseema District, Andhra Pradesh
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DEPARTMENT OF MECHANICAL ENGINEERING

A HALF-YEARLY NEWSLETTER

ACADEMIC YEAR 2024-25 | JULY - DEC | VOLUME 18 | ISSUE - 1

Cover Letter

Date: May 2026

To
The Readers, Faculty, Students & Stakeholders

Subject: Release of Department Newsletter – Academic Year 2024-25, Volume 18 Issue-1

It gives us immense pleasure to present the Mechanical Engineering Department Half-Yearly Newsletter for the Academic Year 2024-25 (July–December), Volume 18 Issue-1.

This newsletter highlights the academic excellence, research contributions, faculty achievements, student activities, workshops, industrial visits, technical events, and various accomplishments of the Department of Mechanical Engineering. It serves as a platform to showcase the continuous efforts and dedication of our students and faculty members towards innovation, technical learning, and overall development.

The department consistently strives to provide quality education, practical exposure, and industry-oriented knowledge to prepare students for successful careers in engineering and technology. The activities featured in this newsletter reflect our commitment towards academic growth, research culture, professional ethics, and societal responsibility.

We sincerely appreciate the contributions of the editorial team, faculty members, and students who worked enthusiastically to make this publication successful. We hope this newsletter inspires readers and strengthens the spirit of learning, creativity, and innovation.

We extend our best wishes to all students and faculty members for their future endeavors and continued success.

With Regards,

Dr. M. Naveen Srinivas
Head of the Department
Department of Mechanical Engineering
BVC Engineering College (A)
Odalarevu, Konaseema District, Andhra Pradesh





"Engineers make things work, **Innovation** makes them better."

LEARN | INNOVATE | DESIGN | EXCEL

DEPARTMENT OF MECHANICAL

A HALF-YEARLY NEWSLETTER

Academic Year: 2024-25
July -Dec
Volume: 18
Issue - 1

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BVC ENGINEERING COLLEGE

(An autonomous institution)

Department of Mechanical Engineering

Vision and Mission of the Institute

INSTITUTION VISION

To become a leading technical institute of academic excellence by impartinghigh patterns of discipline through innovative programs of global standards making our students Technologically superior and ethically strong to serve the Nation

INSTITUTION MISSION

To create an environment that shall foster the growth of intellectually capable,innovative professionals who can contribute to the growth of Technology in partnership with industry and develop and harness it for the welfare of the Nationand mankind.

Vision and Mission of the Department

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's Message

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.

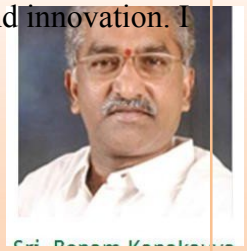
I wish all our students a bright and successful future

Secretary's Message

I am delighted to share a few words on this occasion of releasing our college newsletter. It is encouraging to see the enthusiasm and creativity of our students and faculty reflected in this publication.

Such initiatives not only highlight achievements but also promote knowledge sharing and innovation. I appreciate the efforts of the editorial team and all contributors for their valuable work.

Wishing everyone continued success in all their endeavors.



Sri Bonam kanakayya
Secretary

Principal's Message

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. Maheshwar Dutta
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.

Dr.M.Naveen Srinivas
Head of the Department
Mechanical Engineering
BVC Engineering College

Faculty Details:

Sl.No	Name	Designation	Qualification
1	Dr. D Maheswar	Principal	M.Tech., Ph.D
2	Dr. M Naveen Srinivas	HOD	Ph.D
3	Dr. G. Narasa Raju	Professor	Ph.D
4	B. Srinivas	Professor	M.Tech.
5	Dr. Sujeet Kumar	Asst. 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. K. Krishna Chaitanya	Asst. Professor	M.Tech.
13	S. Manoj Kumar	Asst. Professor	M.Tech.

Faculty publications

- Sujeet Kumar, **Madugula Naveen Srinivas**, Naveen Kumar, Jayant Giri, Amanullah Fatehmullaand Saurav Mallik "Evaluation of microstructural and mechanical qualities in optimised TIG-welded SDSS 2507 joints"Materials Science-Poland Volume 42 Issue 4 · pp. 163–179 · DOI: 10.2478/msp-2024-0051.
- Sujeet Kumar, Alapati Ramakrishna, **Naveen Srinivas Madugula**, Naveen Kumar, Monit Kapoor, Harpreet S.Bhatia, "Evolution of Surface morphology and mechanical characterization of GTAW welded SDSS thin sheets." *Results in Surfaces and Interfaces*(2024): 100412.
- **Naveen Srinivas, M.**, et al. "An investigation on the mechanical and corrosion characteristics of magnesium-zinc alloy nanocomposites manufactured via ultrasound-assisted stir squeeze casting." *Metallurgical Research & Technology*6 (2024): 621.
- Sujeet Kumar, **Naveen Srinivas**, Ravi Kumar, Naveen Kumar, Jayant Giri. "An extensive analysis of GTAW process and its influence on the microstructure and mechanical properties of SDSS 2507." *Journal of Materials Research and Technology* 1 (2024): 1-26
- **Narasa Raju Gosangi**, Lingaraju Dumpala (2019) "Characterization of friction stir welded AL6063/nano fly ash composite", *Materials Research Express*, *6*(2019), 076564, Impact Factor: 1.410 (**SCIE Indexed**), https://doi.org/10.1088/2053-1591/ab179b.
- **Narasa Raju Gosangi**, Lingaraju Dumpala (2019) "Influence of reinforcement on optimized weld bead properties of friction stir welded AL6063/nano fly ash composite", *Engineering Research Express, 1*(2019), 025054, ISSN: 2631-8695, https://doi.org/10.1088/2631-8695/ab5f93.
- **K.Krishna chaitanya** "Effect of Al2O3 and SiO2 Reinforcement on the wear characteristic of UHMWPE composite" - IJAEMA JOURNAL, VOLUME XVI, ISSUE 11, NOVEMBER/2024
- **Ganesh Gubbala** "Optimization of Process Parameters of FDM Printed Carbon Fiber Reinforced PLA & PET-G as published in "Mukt Shabd Journal" by ISSN NO : 2347-3150,Volume IX ISSUE IV
- **Y.V.Ramana Murthy** "*Comparative Study on Dry and Wet Wear Characteristics of Ultra-High Molecular Weight Polyethylene Composites Reinforced with Direct Precipitated Nano Zinc Oxide*", Annales de Chimie - Science des Matériaux Vol. 48, No. 1, February, 2024, pp. 63-72, https://doi.org/10.18280/acsm.480108.
- **Y.V.Ramana Murthy**"*Fabrication and Characterization of Ly556 Epoxy based Glass fiber and Natural Fiber Composite Materials, Mathematical Statistician*"

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS ATTENDED

Mr.Y.V.RAMANA MURTHY

1) Attended one-week Faculty development Program on "Recent Advances in Metal Additive

Manufacturing" organized by the Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal from 15th to 19th December 2025.

2) Attended one-week Faculty development Program on "Smart Materials and Research Opportunities" organized by the Department of Mechanical Engineering, Vasireddy Venkatadri Institute Of Technology, Nambur, Guntur (Dt.), Andhra Pradesh, India from 27th to 31st May 2024

3) Successfully completed the course on "Engineering Mechanics – Statics and Dynamics" offered by IIT Madras between January and March2024.

4) Secured Gold Medal and Stood as Topper in "Product Engineering & Design Thinking" offered by IIT Kharagpoor between January and March 2025.

5) Stood as Topper in "Fundamentals of Additive Manufacturing Technologies" offered by IIT Guwahati between July and October 2025.

Dr.G.NARASARAJU

1) Secured Elite in the course on "Laser Based Manufacturing" offered by IIT Guwahati between Aug and Oct 2024.

2) Participated in FDP on "Advancements in manufacturing and welding", from 17th to 22nd June 2024, organized by JNTUK, Kakinada, E.G.Dt, A.P, India.

3) Participated in FDP on "Advances in materials and manufacturing processes", from 29th to 03rd October 2024, organized by JNTUK, Kakinada, E.G.Dt, A.P, India.

Mr.GURUMURTHY NATHI

1) Participated In A Three-day Workshop On "Advances in Materials and Manufacturing Processes" Conducted By Department of ME, University College of Engineering Kakinada-26th September to 28th September 2024.

Mr.GANESH GUBBALA

1) one week Faculty Development Program on Microsoft Azure AI Engineer Associate conducted by ICT Academy on 11 Mar 2024 to 15 Mar 2024 at Bonam Venkata Chalamayya Engineering College

2) participation in the quiz on "**Finite Element Analysis**" organized by the Department of Mechanical & Civil Engineering, AISSMS College of Engineering, Pune.

3) participated in the Online Faculty Development Program on **"Emerging Trends in Data Science & IoT"** organised by Department of Computer Science & Information Technology, Arka Jain University, Jamshedpur, Jharkhand held from 20th to 25th July 2024.

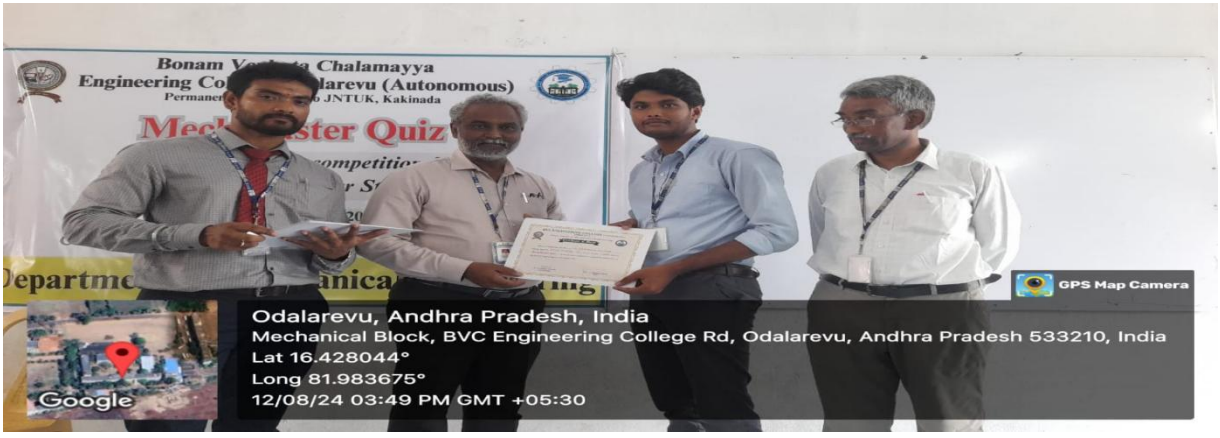
Dept of Mechanical Events Organized :

Program1: 09-08 2024One day workshop on 2wheeler Engine Assembly





Program2 : 12-08- 2024 Quiz program " Mech Master Quiz"





Program 3: 17-08- 2024An Industrial visit to "Eastern Off shore Assets, ONGC", Odalarevu for 3rd year Mechanical engineering students





Prog

Program 4:12-09-2024 to 25-09-2024One Week Workshop on “CATIA- Surface design” by APSSDC , Vijayawada for IV Year students







ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt.of Andhra Pradesh)

Skill AP APSSDC

Cert. No: SDC/24-25/CASD/0009

Reg.No: 21221A0310

Certificate of Participation

This certificate is presented to Mr./Ms./Mrs. Dhavala Sandeep

of Catia - Surface Design for his/her active participation

in the Skill Development Program on Bonam Venkata Chalamayya Engineering College

held from 12-09-2024 to 26-09-2024

Principal

Sri B J Benny
Executive Director
APSSDC

Sri G. Ganesh Kumar, I.A.S.
Managing Director
APSSDC

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt.of Andhra Pradesh)

Skill AP APSSDC

Cert. No: SDC/24-25/CASD/0001

Reg.No: 21221A0301

Certificate of Participation

This certificate is presented to Mr./Ms./Mrs. Adabala Siddhu

of Catia - Surface Design for his/her active participation

in the Skill Development Program on Bonam Venkata Chalamayya Engineering College

held from 12-09-2024 to 26-09-2024

Principal

Sri B J Benny
Executive Director
APSSDC

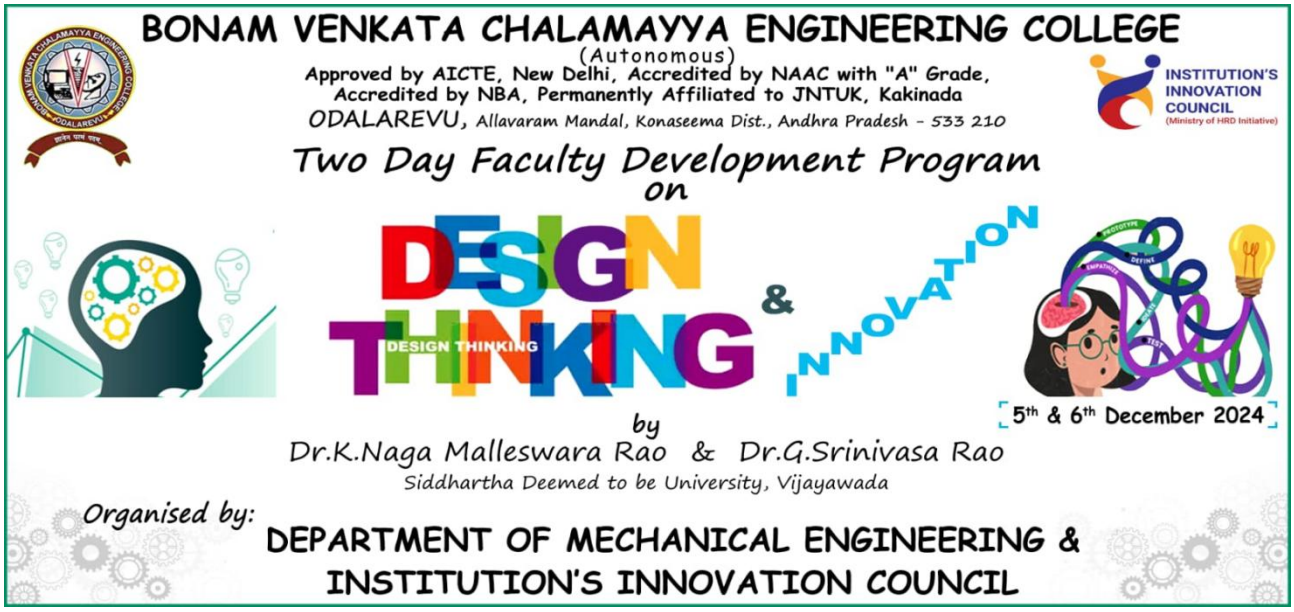
Sri G. Ganesh Kumar, I.A.S.
Managing Director
APSSDC

Program 5: 18-09-2024 Project- Expo for Engineers' Day by Institution's Innovation Council, BVCEC, Odalarevu





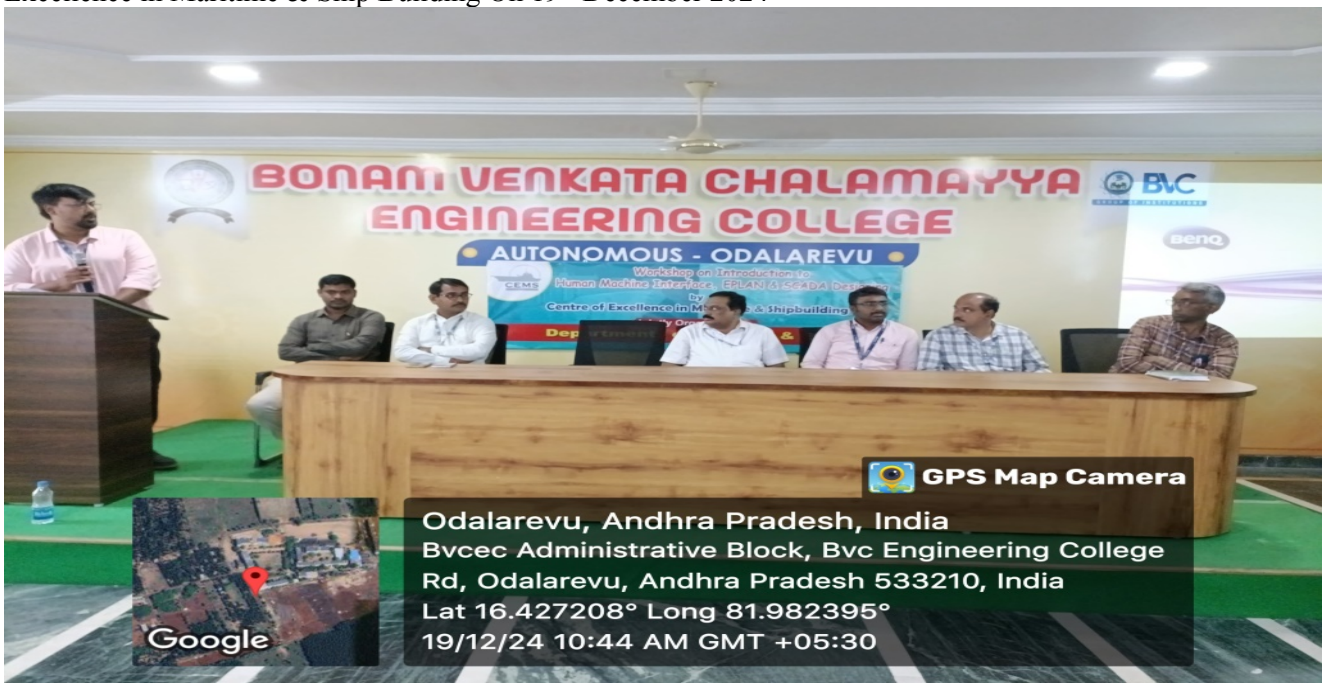
Program 6:05-12-2024 &06-12-2024FDP on "Design Thinking & Innovation" by Dr. K. Naga MalleswaraRao&Dr. G. SrinivasaRao, Siddhartha Deemed to be University,VijayaWada







Program7: Work shop on Introduction to Human Machine Interface, EPLAN& SCADA Designing by Centre of Excellence in Maritime & Ship Building On 19th December 2024



Editorial Board

Faculty Coordinator

Mr.Y.V.Ramana Murthy

Assistant Professor

Students Editors

B.S.Sai Vasu	21221A0306
S.S.Varma	21221A0334
Ch.Bhanu Mahesh	22221A0309

Prepared by

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