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**Prof. Anukampa C. Pattnaik**, Asst. Professor and Head, Department of Mechanical Engineering, PMEC, Berhampur

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#### About the PMEC, Berhampur

Parala Maharaja Engineering College (P.M.E.C), Berhampur came into existence in the year 2009 on April 26th, as a constituent Government Engineering College of Biju Patnaik University of Technology (BPUT), Odisha, India with an area of nearly 80 acres. Now this college acts as a Government Autonomous college affiliated to BPUT, Odisha from year 2021. This college is one of the fastest growing technical institute in the state and is funded by the Government of Odisha. It has 8 B.Tech and 5 M.Tech programmes with 10 departments. Also, now it has a Nodal Center of Research under BPUT to conduct Ph.D. programmes. The main objective of the institution is to produce quality technocrats in various streams. Government of Odisha has recognized this institution as a leading institution of repute. The institute has two Centre of Excellence for catering learning and innovation. With a workforce of more than 100 faculties from the leading institutions across the country, the institute is contributing to new innovations and pioneering to the advanced of latest trending technology.

# 1st NATIONAL CONFERENCE

on

Powertrain, Mechanical
Engineering and Computing
(PMEC-2024)
(Hybrid Mode)





8 – 9 October, 2024

# Organized by: -

Department of Automobile Engineering

&

Department of Mechanical Engineering

Parala Maharaja Engineering College, Berhampur, Odisha

#### About the conference

The 1st National Conference on Powertrain, Mechanical Engineering and Computing (PMEC-2024) is a pioneering event set to bring together leading researchers, industry experts, and academicians to discuss the latest advancements and innovations in the fields of Automobile Engineering, Mechanical Engineering, and Computing. This conference aims to foster interdisciplinary collaboration and knowledge exchange. addressing the critical challenges and opportunities within these dynamic relevant sectors. By uniting diverse perspectives and expertise, this inaugural event aims to create awareness about the importance of basic research in different fields matching with the current trends. Also, the conference will provide the authors and listeners with opportunities for national and international collaboration and networking among universities and institutions from India and abroad for promoting research and developing technologies.

#### Department of Automobile Engineering

Modern automotive industries need experts in vehicle design and manufacture. With this in mind, the Department of Automobile Engineering was established in 2014 to train the students in the area of automobile engineering. Since southern side is the automobile hub of India. The objective of this B. Tech program in Automobile Engineering is to give students a broad exposure to the design, development, and testing of automobiles. Furthermore, the program trains them to meet the technological challenges and diverse needs of the industry and society in various areas of automobile engineering and equips them to excel in a truly competitive industry. The department has a team of highly qualified, dedicated and experienced teachers. They specialize in IC Engines, Alternative, Fuels, Automotive Technology, Automotive Design, Production, Thermal & Electric Vehicles. Research activities are in progress in the areas of alternative fuels, Engine systems, vehicle dynamics and new trends in engine design.

#### **Department of Mechanical Engineering**

The under graduate program of Mechanical Engineering department with intake capacity sixty (60) was introduced in 2009, the year of inception of PMEC. The intake capacity was increased to 120 in 2014 considering the demand for the program in the state of Odisha and the neighbouring states as well. Besides, the department also offers three post-graduate program in Mechanical System Design, Production Engineering and Thermal Engineering with intake capacities of eighteen each. With the sincere effort of its well qualified faculties, the department has set up state of the art laboratories like Material testing and Engine testing, Fluid Mechanics and Hydraulic Machine Lab, Heat Transfer & Refrigeration and Air Conditioning Lab, Advanced Tribology Lab, Non-destructive Testing lab, Metrology Lab and a Computational Lab. The Mechanical Engineering Society of the department prepare the calendar for the year and run various extracurricular activities for all round development of the students.



# Parala Maharaja Engineering College, Berhampur, Odisha

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#### **Important Dates:**

Full paper submission deadline Acceptance Notification Author's registration deadline

: 15th September, 2024 : 25th September, 2024 : 5th October, 2024

#### **Contact Details:**

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