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Invited Speakers

1. **Prof. Abu Saleh**, University of Canberra, Australia
2. **Prof. T Mohapatra**, Regent College London (UK)
3. **Prof. Milena**, Poznan University, Poland
4. **Mr. Bobby Varanasi**, Chief Consultant, Matryzel, Malaysia
5. **Dr. Avvari V. Mohan**, Deputy Head of School, School of Business, Monash University (Malaysia Campus),
6. **Prof. Omar Faruq**, DIU, Bangladesh
7. **Prof. V. Vetrivel**, IIT, Madras
8. **Prof. Damodar Jena**, Dean, KSRM, KIIT
9. **Prof. A.K. Ojha**, IIT, Bhubaneswar
10. **Prof. Girija S Mallick**, Western Sydney Univ. (Australia)
11. **Ms Sally Saleh** (PhD) Syria [Provisional.
12. **Prof. Bhaba Krishna Mohanty**, IIM Lucknow
13. **Prof. Chandan Nahak**, IIT, Kharagpur
14. **Prof. Geetanjali Panda**, IIT, Kharagpur
15. **Prof. Arindama Singh**, IIT, Madras



INTERNATIONAL CONFERENCE

ON

APPLICATIONS OF MATHEMATICAL & OR MODELS

FOR SUSTAINABLE VIKSIT BHARAT

(ICORSVB 2025)

21st-22nd February, 2025
(Hybrid Mode)



Jointly Organized by



Department of Mathematics
PARALA MAHARAJA ENGINEERING COLLEGE
(P.M.E.C.)

Sitalapalli, Brahmapur, Dist. Ganjam
Pin-761003, Odisha, INDIA
(Website- www.pmec.ac.in)

And

Operational Research Society of India
(ORSI), Bhubaneswar Chapter

About ORSI: The Operational Research Society of India (ORSI), founded in 1957, is an academic society of Operational Research Scientists, affiliated to international bodies like IFORS and APORS. The Society publishes a high quality research journal OPSEARCH. ORSI has presently 17 chapters, spread over entire country. Details of society available at: www.orsi.in

About ORSI Bhubaneswar Chapter: ORSI Bhubaneswar Chapter had earlier organised the 26th Annual Convention (Dec.6-8, 1993), with Prof. BK Mangaraj as the convener. This chapter, revived again last year, has now the active support of over 250 life-members of ORSI. It was declared best chapter twice

About Parala Maharaja Engineering College (PMEC)

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 Re-search 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.

About the City, Berhampur:

Berhampur is a very old city and a true paradise for nature lovers, religion lovers, and shopaholics. It has many famous temples with different presiding deities. The place has an abundance of serene beaches. Brahmapur is a city on the eastern coastline of Odisha, India. From top; left to right: Ramalingeswar Park, Brahmapur Railway Station, Parala Maharaja Engineering College, Berhampur University, MKCG Medical College, Gopalpur Sea Beach and Tara Tarini Temple, Tampara Lake and also known as the home of Lord Brahma and is usually known as the silk city- the city which is famous for the lustrous ikkat silk sarees in different colours and patterns. The College is located at 186 km from nearest airport(BBSR) and it is 12 km from Berhampur Railway Station, 15 km from Bus stand.

THEME & Sub-themes : Applications of Mathematical and OR Models for Sustainable Viksit Bharat

Call for Papers: Original and unpublished research papers and case studies are invited on any of the following broad areas, but not limited to sub-themes:



• **Role and Applications of Mathematical and OR Models for Sustainable Development :** Operations research (OR), in Mathematics and Statistics, is a scientific approach for implementing advanced analytical methods to enhance decision-making in complex systems management. In other words, OR is a systematic tool for solving competitive challenges within industry, operations and businesses. Operations research can be applied to every sector and industry that pursues continuous improvement, advancements and quality. OR applies several mathematical modeling and simulation technique to design decision-making support tools to support organizations.

• **Sustainability in Development Sector:** Operational Issues & Challenges; Financial Analytics; Operations & Efficiency Measures; Public Systems; Operations Management; Revenue Management.

• **Statistical & Mathematical Models for Development:** Industrial Mathematics, Information & coding Theory, computational & Financial Mathematics, Application of Fuzzy Theory, Computational Optimization and Approximations, Inventory Optimization, Mathematical Modelling and Computational Techniques, Applications of Game theory, Application of Queuing Theory, Simulation models, Neural Network and Genetic Algorithms, AI on Mathematical Optimization and Decision Making, Soft computing in complex Mathematical System, Applications of Discrete Mathematics.

• **Management issues of sustainable development :** OR principle and mathematical methods have been used to address environmental issue for a long time.

• **Production and Transportation sustainability :** OR can be used to assess product sustainability, for example by using Multi-Attribute Decision Making Method.

• Any other allied topic relating to sustainable development.

Registration: All paper presenters and those who wish to attend as participant, are expected to register, by paying registration fees, as applicable to them. At least one author must register as delegate, so that the paper could be included in proceedings and for presentation.

Important Dates

- Submission of abstract: within 300 words, in MS-Word file, sent electronically to convener-25/12/2024
- Decision on acceptance of abstracts- 30/12/2024
- Full papers submission last date: in MS-Word file, to be sent electronically- 30/1/2025
- Last date for registration-30/1/2025
- Note: At least one author must register as delegate so that the paper could be included in Conference Proceedings.

Category	ORSI Members	Non-members	International Delegates In (USD)
Students / Research Scholars	Rs. 1000	Rs. 1500	50
Academics	Rs. 1500	Rs. 2000	100
Industry	Rs. 3000	Rs. 4000	200

Registration Fee 20% less for those who will be attending online

Note: Above fees are to cover conference Kit, breakfast & lunch on 2-days of convention, one convention dinner and a half-day local sight-seeing tour. Each accompanying person has also to register, by paying a fee, @ INR 2000 as registration fee. A limited number of (economy class) accommodation can be provided to non-local delegates, on request. Delegates can avail the comfortable stay at star hotels of Bhubaneswar, on payment basis.

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Publication Ethics: Authors are requested to submit original papers (not published or presented earlier) in MS Word as well as in PDF format (refer Conference website) through email on the following mail id ic.orsi@pmeac.ac.in. Once manuscript id is assigned, kindly send your camera ready manuscripts by referring the manuscript id assigned to your paper. All the selected abstracts of papers will be published in a 'Book of Abstracts' and copies will be made available to each registered delegate, during the conference. After the convention, arrangements will be made to publish selected papers in an edited book form, by a reputed publisher, (Apple Academic Press, CRC, Taylor & Francis Group) which will be sent for possible indexing in Scopus within six months indexed conference proceedings. Selection of articles for the edited book will be based on 'blind-review' by subject experts.

For abstract and paper submission, a link is provided in our web site. Please check our website: www.pmeac.ac.in

Mode of Paper Presentation: Oral/Poster/Hybrid

VENUE

PARALA MAHARAJA ENGINEERING COLLEGE (P.M.E.C)

Brahmapur, Dist. Ganjam, Pin-761003, Odisha, INDIA

Contact : Dr. Chittaranjan Mallick, CONVENOR

DEPARTMENT OF MATHS,

PMEC Brahmapur, Odisha, India

EMAIL ic.orsi@pmeac.ac.in, chittaranjan.bs@pmeac.ac.in

MOB - +(91) 9937336730, 8328962165,