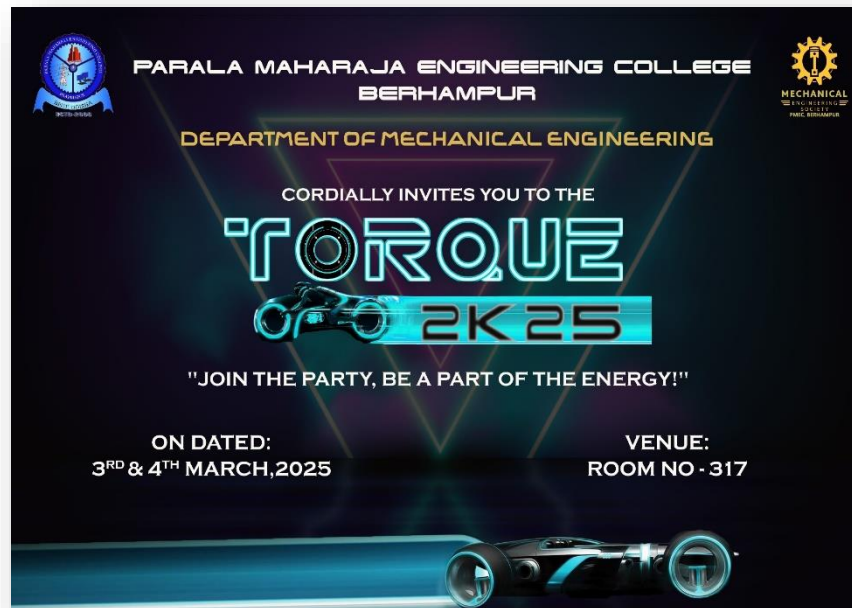


REPORT
ON
MECHANICAL ENGINEERING TECH FEST
“TORQUE 2025”



DEPARTMENT OF MECHANICAL ENGINEERING
PARALA MAHARAJA ENGINEERING COLLEGE, BERHAMPUR
(AN AFFILIATED GOVT. COLLEGE OF B.P.U.T., ODISHA)

CONTENTS

SL NO.	DESCRIPTION	PAGE NO
1	About Torque 2025	3
2	Objectives of "Torque" 2025	3
3	Schedule of Torque 2025	4
4	Roles and responsibility of faculty members and students	4-5
5	Inauguration	5-6
6	Events Highlight	6-13
7	Closing Ceremony	14-15
8	Acknowledgement	16

1. About Torque 2025

Branch Fest "Torque" took place from March 3rd to 5th, 2025, at Mechanical Engineering Department, PMEC, Berhampur celebrating students' engineering skills and creativity. The event kicked off with an inaugural ceremony attended by faculty and students. It featured various competitions like Treasure hunts, technical writing, Quizzes, Cadathon, Logo design, Bridge building, Bottle rocket, Freehand drawing, encouraging teamwork and friendly competition. Students also showcased their artistic talents through dance and singing performances. A special ceremony honoured the winners of the competitions, highlighting their achievements. Overall, "Torque" 2025 fostered a sense of community and innovation, making it a memorable event for everyone involved.

2. Objectives of "Torque" 2025

1. **To Celebrate Engineering Skills & Creativity** – Provide a platform for students to showcase their technical knowledge and innovative thinking.
2. **To Encourage Teamwork & Friendly Competition** – Foster collaboration and competitive spirit through various technical and creative challenges.
3. **To Enhance Technical & Artistic Expression** – Organize competitions like **Treasure Hunt, Technical Writing, Quizzes, Cadathon, Logo Design, Bridge Building, Bottle Rocket, and Freehand Drawing** to develop diverse skills.
4. **To Promote Student Engagement & Participation** – Create opportunities for students to actively participate in both technical and cultural events.
5. **To Recognize & Reward Talent** – Honour winners through a special ceremony, motivating students to excel in their respective fields.
6. **To Build a Sense of Community** – Strengthen connections among students, faculty, and peers by fostering an environment of learning and innovation.
7. **To Make Learning Enjoyable & Interactive** – Combine technical and artistic events to make education engaging and memorable.

3. Schedule of Torque 2025

The detailed schedule of TORQUE 2025 is mentioned in the Table 1.

Table 1: Schedule of Torque 2025

SL.No	DATE & TIME	VENUE	EVENT
1	3 rd Mar, 9am-9:30am	Room no:- 317	Inauguration
2	3 rd Mar,9:30am-10:30am	Room no :-323	Bridge building
3	3 rd Mar,10:30am-12pm	Playground	Bottle rocket
4	3 rd Mar,12pm-1pm	Room no :- 307	Quiz Elimination
5	3 rd Mar,2pm-3pm		Quiz Final Round
6	3 rd Mar,3pm-7pm	COE 3D Experience lab SolidWorks (Room No.326)	Cadathon
7	3 rd Mar,3pm-4pm	Room no.:323	Bridge building test
8	4 th Mar,9am-11am	Room no.:305	Treasure Hunt
9	4 th Mar,11am-12pm	Room no:306	Technical Writing
10	4 th Mar,11am-1pm	Room no.:213	Freehand drawing
11	4 th Mar,12pm-1pm	Room no: 326	Logo design
12	4 th Mar,2pm-5pm	Room no:- 317	Closing Ceremony and Price Distribution

4. Roles and responsibility of faculty members and students

The successful execution of "**Torque 2025**" relied on the collaborative efforts of both student and faculty coordinators. **Student coordinators** played a crucial role in event planning, promotion, and participant management. They were responsible for handling registrations, organizing logistics, ensuring smooth on-spot execution, and maintaining clear communication between participants and faculty. They also assisted in result compilation and prize distribution. On the other hand, **faculty coordinators** provided guidance and supervision, overseeing event approvals, budgeting, and venue management. They played a key role in evaluating competitions, resolving conflicts, and ensuring the smooth operation of all activities. Together, their combined efforts fostered a well-structured, engaging, and successful event that encouraged creativity, teamwork, and innovation. Event wise student coordinator and faculty coordinators list is mentioned in Table 2.

Table 2: Event wise student coordinator and faculty coordinator

Sl no	Events	Student coordinator	Faculty coordinator
1	Cadathon (Catia And SolidWorks)	Shaik Farook Srikant Sethi	Dr. Balaji Kumar Chaoudhury Mr. Krushna Chandra Patra
2	Freehand Drawing	Pradyumna Behera Satya Ranjan Behera	Lt. Sandeep Bhoi Dr. Dujyodhan Sethi
3	Treasure Hunt	Anshuman Tripathy	Mr. Priyaranjan Panda Mr. Anjan Kumar Mishra
4	Bottle Rocket	Bijay Mohanta Himanshu Sekhar Bishoy	Mr. Priyaranjan Panda Mr. Anjan Kumar Mishra Dr. Asisha Ranjan Pradhan
5	Bridge Building	Tanmaya Pradhan	Dr. Asisha Ranjan Pradhan Dr. Kanchan Kumari
6	Quiz	Anshuman Tripathy	Dr. Chittrasen Samntra Mr. Debasish Padhy
7	Logo Design	P Rohit Kumar Chiranjeevi Pradhan Subham Sardar	Mr. Sagar Kumar Murmu Mrs. Baisalini Sethi
8	Technical Writing	Manisha Sahoo Dibya Ranjan Rana	Mr. Jayanarayan Mahakud Mr. Soumes Harichandhan

5. Inauguration

An inauguration program is a formal ceremony that marks the beginning of an individual's service in a new role or the official opening of an institution or structure, often featuring key components such as speeches from dignitaries, the taking of an oath of office, and cultural performances. It serves to celebrate the transition of power or the commencement of a new phase, fostering a sense of community and shared purpose among attendees, which may include invited guests and the public. Symbolic rituals, recognition of contributors, and post-

inauguration celebrations further enhance the significance of the event, reflecting cultural traditions and values while looking forward to future endeavours.



Fig. 1: Inaugural function of Torque 2025

6. Events Highlight

A total of **eight technical events** were successfully conducted, showcasing innovation, problem-solving skills, and technical expertise. Each event took place at designated venues with enthusiastic participation.

The events witnessed strong competition, creativity, and teamwork. The winners were awarded in recognition of their outstanding performance. The event concluded successfully, leaving participants with valuable experiences and learning opportunities. Event details are summarised in Table no 3 to 10 and visual confirmation are shown in figure no 2 to 9

Table 3: Event details of Bridge Building

Event name	Bridge Building
Date /time /venue	On Dated:03/03/25 Time: 10am to 11pm Venue: Room No:323
Contestents	No of groups-12 Total Memebbers-36
Winners	1st Position: - Ram Hari Sahu Malaya Kumar Giri Piyush Dey Kieron Kumar Nayak 2nd Position: - Sanjay Kumar Mahalik Ashutosh Pradhan Asish Panda Sakti Prakash Swain 3rd Position: - Ashutosh Hota Kirti Sekhar Anupam Barik Kirti Ranjan sahuo Debasish Behera



(a) Discussion on bridge building



(b) Instruction by the event faculty coordinator

Fig 2. Bridge building active participation

Table 4: Event details of Bottle Rocket

Name	Bottle Rocket
Date /time /venue	On Dated:03/03/25 Time: 11am to 12pm Venue: PMEC PLAYGROUND
Contestents	No of groups-17 Total Memebbers-33
Winners	1 st Position: - Sourav Naik Pradyumna Majhi 2 nd Position: - Sanjay Kumar Mahalik Ashutosh Pradhan 3 rd Position: - Ram Hari Sahu Malaya Kumar Giri



Fig. 3: Bottle rocket active participation

Table 5: Event details of Technical Quiz

Name	Technical Quiz
Date /time /venue	On Dated:03/03/25 Time: 02pm to 03pm Venue: Room No:305
Contestents	No of groups-17 Total Memebers-68
Winners	1st Position: - Ipsita Ray Kruttikant Dash Bikash Kumar Prusty Satyanarayan Sahoo 2nd Position: - Omkar Mrutunjay Nayak Choudhary Ayush Kumar Das Choudhary Piyush Kumar Das 3rd Position: - Ashish Panda Biswajit Ray Manish Mahapatra Sanjay Kumar Mahalik



Fig. 4: Technical Quiz active participation

Table 6: Event details of Cadathon

Name	Cadathon
Date /time /venue	On Dated:04/03/25 Time: 03pm to 06pm Venue: COE 3D Experience lab SolidWorks
Contestents	No of groups-7 Total Memembers-21
Winners	1st Position: - Pradeep Kumar Pattnayak Paritosh Patra Samir Kumar Jena 2nd Position: - Goutam Singh Ayushman Acharya Asit Kumar Sahu 3rd Position: - Swastik Das Suraj Gouda Swati Swagatika Samantray

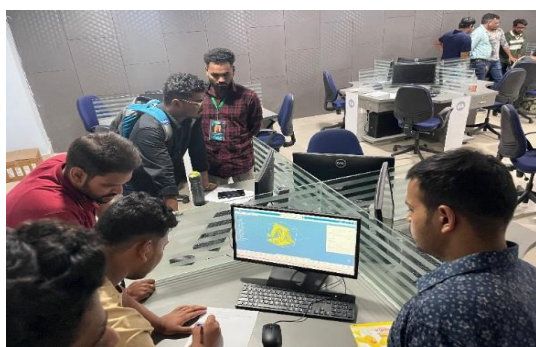


Fig. 5: Cadathon active participation

Table 7: Event details of Treasure Hunt

Name	Treasure Hunt
Date /time /venue	On Dated:04/03/25 Time: 09am to 11am Venue: PMEC In Campus
Contestents	No of groups-30 Total Members-120
Winners	Winner: Soumya Ranjan Mahalik Aditya Narayan Panigrahi Rajesh Behera Karthik Behera Runner: Pradeep Kumar Pattnayak Ajay Kumar Singh S. Subrat Kumar Gurubati Bhagwan



Fig.6: Active participation in treasure hunt

Table 8: Event details of Technical Writing

Name	Technical Writing
Date /time /venue	On Dated:04/03/25 Time: 11am to 12pm Venue: Room No:305
Contestents	Total Members-15
Winners	1st Position: Ram Hari Sahu 2nd Position: Asthashree Panda 3rd Position: Jyoti ram Nayak



Fig.7: Active participation in technical writing

Table 9: Event details of Freehand Drawing

Name	Freehand Drawing
Date /time /venue	On Dated:04/03/25 Time: 11am to 01pm Venue: Room No:307
Contestents	Total Members-15
Winners	1st Position: Nobel Nirupam Jena 2nd Position: Ashutosh Hota 3rd Position: Goutham Singh

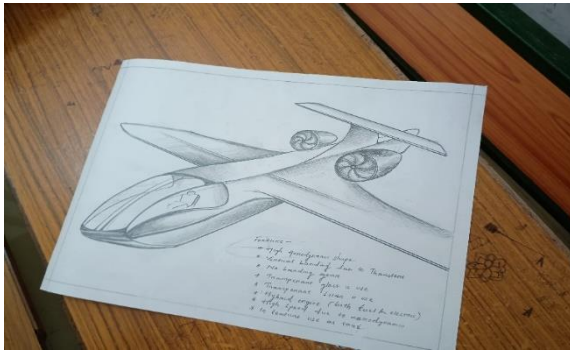


Fig.8: Active participation in Freehand Drawing

Table 10: Event details of Logo Design

Name	Logo Design
Date /time /venue	On Dated:04/03/25 Time: 2pm to 3pm Venue: Room No:317
Contestants	Total Members-09
Winners	1st Position: Syama Priya Purohit 2nd Position: Asthashree Panda 3rd Position: Omm Prakash Maharana



Fig.9: Active participation in Logo Design

7. Closing Ceremony

A closing ceremony featuring prize distribution and cultural programs is a vibrant celebration that marks the culmination of an event or competition. It typically includes the recognition of outstanding achievements through awards, alongside performances that showcase the talents and creativity of participants, fostering a sense of community and shared accomplishment. The prize distribution segment highlights the hard work and dedication of individuals, with awards presented in various categories such as academics, sports, and cultural activities. This recognition not only motivates the recipients but also inspires others to strive for excellence.

Cultural programs add an engaging element to the ceremony, featuring performances that reflect the diversity and creativity of the participants. These programs often include music, dance, and drama, creating an atmosphere of celebration and joy. The combination of awards and cultural showcases enhances the overall experience, making it memorable for all attendees.

The event concludes with expressions of gratitude, often including speeches from dignitaries and organizers, reinforcing the importance of community and collaboration in achieving success.





Fig.10: Closing ceremony of Torque 2025

ACKNOWLEDGEMENT

We extend our heartfelt gratitude to the **College Administration** for their unwavering support and guidance in making "**Torque 2025**" a grand success. Their encouragement, resource allocation, and seamless coordination played a vital role in the smooth execution of the fest. We also sincerely thank **VEDIC COE** for their invaluable assistance, providing technical expertise and necessary resources that enriched the event. Their support helped foster innovation and learning among students. This collaboration ensured a well-organized, engaging, and inspiring technical fest, making it a memorable experience for all participants.

Enclosures: *ANNEXURE 1 – EVENT WISE PARTICIPANT LIST OF TORQUE 2025*