



Department of Mechanical Engineering, PES College of Engineering, Mandya

Program No.1

Report on Technical Talk "Moon Mission-III Success and Opportunities at Indian Space Research Organization."

Date: 7th October, 2023

Venue: Seminar Hall , Dept. of Mechanical Engineering,
PES College of Engineering, Mandya

Resource Persons: Sri. **P Vasudeva Rao**, Scientist/ Engineer-G

Sri. **Kamran Ahmed**, Scientist/ Engineer-SG

Sri. **Ravi T**, Scientist/ Engineer-SG

Introduction:

The Department of Mechanical Engineering at PES College of Engineering, Mandya, had the privilege of hosting a remarkable event on October 7th, 2023, in the form of an orientation program featuring distinguished alumni of the institution who are currently serving in prominent roles at the Indian Space Research Organization (ISRO). The event aimed to motivate and inspire the current students while shedding light on the recent success of Moon Mission-III and the numerous opportunities within ISRO. The three distinguished alumni who graced the occasion were Sri. P Vasudeva Rao, Scientist/ Engineer-G; Sri. Kamran Ahmed, Scientist/ Engineer-SG; and Sri. Ravi T, Scientist/ Engineer-SG, all of whom played pivotal roles in ISRO's recent accomplishments.



Program Highlights:

Welcome Address: The program commenced with a warm welcome from the head of the Department of Mechanical Engineering, emphasizing the importance of such interactions for students' holistic development. Introduction to the Distinguished Alumni: A brief introduction of the three distinguished alumni, their educational journey at PES College of Engineering, and their remarkable achievements at ISRO.

Inspirational Technical Talk: The highlight of the event was a captivating technical talk on "Moon Mission-III Success and Opportunities at Indian Space Research Organization." Each alumnus took turns to share their experiences, insights, and technical knowledge.

Technical Talk Highlights:

Sri. P Vasudeva Rao: Scientist/Engineer-G, ISRO



Discussed the technical intricacies and challenges of Moon Mission-III, Including the technical intricacies and challenges of Moon Mission-III are both numerous and formidable. Overcoming these hurdles will require the collective efforts of scientists, engineers, and space agencies from around the world. Yet, the rewards of this mission—advancing our understanding of the Moon, developing technology for future lunar exploration, and laying the groundwork for potential human settlement—make these challenges worthwhile. Moon Mission-III is a testament to human ingenuity and determination as we continue to push the boundaries of space exploration. Shared his journey from a student at PES College of Engineering to a leading scientist at ISRO. Emphasized the significance of teamwork and innovation in achieving success.

Sri. Kamran Ahmed: Scientist/Engineer-SG, ISRO

Talked about the critical role of propulsion systems in lunar missions including The critical role of propulsion systems in lunar missions cannot be overstated. These systems serve as the heart of any lunar spacecraft, providing the necessary thrust to escape Earth's gravity, navigate through space, enter lunar orbit, and execute precise lunar landings. Propulsion systems also play a vital role in

crucial maneuvers such as orbital adjustments, rendezvous, and the return journey to Earth.



The challenges of lunar exploration, with its vast distances, variable gravitational forces, and complex orbital dynamics, demand advanced propulsion technologies that are not only powerful but also highly reliable and efficient. In essence, the success of any lunar mission hinges on the performance and precision of its propulsion systems, making them a cornerstone of lunar exploration endeavors. Shared his experiences working on cutting-edge technology. Encouraged students to pursue their passion for space technology.

Sri. Ravi T: Scientist/Engineer-SG, ISRO



Focused on the future prospects of ISRO in space exploration. Discussed the potential opportunities for students in research and development including The Indian Space Research Organisation (ISRO) holds promising future prospects in the realm of space exploration. With a track record of cost-effective and successful missions, including Chandrayaan and Mangalyaan, ISRO has established itself as a formidable player in the global space community. Looking ahead, ISRO envisions a series of ambitious projects, such as Gaganyaan, India's human spaceflight program, and Chandrayaan-3, which aims to continue lunar exploration. Additionally, ISRO has plans for interplanetary missions to destinations like Venus and Mars, demonstrating its expanding capabilities in deep space exploration. Moreover, ISRO's commitment to Earth observation, satellite technology, and space applications will continue to benefit not only India but also the international community in areas such as climate monitoring, disaster management, and telecommunications. As ISRO continues to innovate and collaborate on an international scale, it is poised to make significant contributions to the future of space exploration and scientific discovery. Underlined the importance of continuous learning and adaptability in the field.

Question and Answer Session:

Following the technical talk, students had the opportunity to ask questions to the alumni. This session provided valuable insights into the practical aspects of working at ISRO and the career opportunities available.

Motivation and Takeaways:

The event was not just an opportunity for students to gain technical knowledge but also served as a source of motivation. The distinguished alumni's success stories showcased the possibilities that lie ahead for those who are passionate, dedicated, and willing to work hard in the field of space technology. Students left the event with a renewed enthusiasm for pursuing careers in space research.

Conclusion:

The Distinguished Alumnus Orientation Program featuring ISRO scientists Sri. P Vasudeva Rao, Sri. Kamran Ahmed, and Sri. Ravi T was an enlightening and inspiring event for the students of the Department of Mechanical Engineering at PES College of Engineering, Mandya. It emphasized the importance of dedication, innovation, and continuous learning in achieving success in the field of space research. The event will undoubtedly have a lasting impact on the students, motivating them to pursue careers in space technology and contribute to the future success of ISRO.

Beneficiaries of the program:

1, 3, 5 and 7 Semester Students of Department of Mechanical Engineering and Faculties.

Photo graphs of Program:





(Dr. Sadashiva M)
MEA Secretary
REPORT

(Dr. Rudresh Addamani)
HOD of M.E
Programme

No.2

EVENT: Indian Space Research Organisation (ISRO)

TOPIC: Space on Wheels

VENUE: P.E.S College of Engineering, Mandya

DATE and Time: 20 December 2023 at 9:00 a.m.

i. Abstract: Space on Wheels was an event conducted by ISRO inside a bus, which featured models of ISRO Launch Vehicles, Satellites, Space applications and the Launch Pads at their Space Centre. The ISRO Space on Wheels initiative aims to create awareness about space technology and its applications among students and faculty members. The visit included interactive sessions, exhibitions and demonstrations related to space science, satellite technology, and ISRO's contributions to India's space program.

The drive was aimed to interact with students and guide them on research and career opportunities in ISRO.

Scaled models of Launch Vehicles, Satellites, Launch Pads and its applications with the help of videos were shown to give an insight of their space program.

More than 65 students of Final year and Pre-final year participated in the program.



Mr. H L Srinivasa Scientist ISRO delivering the talk to Mechanical Engineering Students

ii. Objectives of the programme:

2.1 Create Awareness:

The primary objective of the ISRO Space on Wheels initiative is to create awareness about space technology and its diverse applications among students and faculty members of the Department of Mechanical Engineering.

2.2 Educational Outreach:

To engage with students and faculty, providing them with a unique opportunity to learn about ISRO's launch vehicles, satellites, and space applications through interactive sessions and exhibitions.

2.3 Career Guidance:

To guide students on potential research and career opportunities within ISRO, fostering an understanding of the various roles and contributions that mechanical engineering can make to space exploration.

iii. Scopes of the programme

3.1 Exhibitions and Demonstrations:

The program offers a comprehensive display of scaled models of ISRO's Launch Vehicles, Satellites, and Launch Pads. These exhibits are complemented by informative videos to provide an in-depth understanding of India's space program.

3.2 Interactive Sessions:

Facilitate interactive sessions where students and faculty can directly engage with ISRO representatives, gaining insights into the intricacies of space science, satellite technology, and the broader contributions of ISRO to the nation's space endeavors.

3.3 Career and Research Opportunities:

Through discussions and presentations, the program aims to enlighten participants about the various research and career opportunities available at ISRO, particularly for individuals with a background in mechanical engineering.

iv. Methods:

4.1 Mobile Exhibition Setup:

The ISRO Space on Wheels initiative utilizes a specially designed bus to bring the exhibition directly to educational institutions. The bus is equipped with models, videos, and interactive tools to make the learning experience engaging and accessible.

4.2 Audio-Visual Presentations:

Information is disseminated through informative videos showcasing the design, functionality, and applications of ISRO's launch vehicles, satellites, and launch pads. This multimedia approach enhances the learning experience and caters to diverse learning styles.

4.3 Interactive Q&A Sessions:

The program encourages active participation through question and answer sessions, allowing students and faculty to seek clarifications and gain a deeper understanding of the subject matter.

v. Information:

5.1 Content Covered:

The program covers a wide range of topics, including space science, satellite technology, and the significant contributions of ISRO to India's space program.

5.2 Career Guidance:

Information related to career paths within ISRO, especially those relevant to mechanical engineering students, is provided. This includes insights into research opportunities, project involvement, and the skill sets required.

5.3 Awareness on Space Technology:

The initiative aims to impart knowledge about the latest developments in space technology, emphasizing its importance in various sectors and the growth opportunities it presents.



Mr. Dr. Rudresh Addamani HOD Mechanical Engineering Department with Staff and Students

Summary: The program conducted at the Department of Mechanical Engineering, PESCE, Mandya, successfully achieved its objectives. The mobile exhibition facilitated a unique

learning experience for students and faculty, providing valuable insights into ISRO's space program. The interactive sessions, exhibitions, and demonstrations effectively conveyed

Sl no.	USN	Name	Contact no.
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complex concepts in an accessible manner.

Participating students gained a deeper understanding of space technology and its applications, while the career guidance sessions opened doors to potential opportunities within ISRO. The success of this program highlights the importance of such initiatives in bridging the gap between academic learning and real-world applications, especially in the field of mechanical engineering.

the ISRO Space on Wheels initiative at PESCE, Mandya, contributed significantly to fostering awareness, education, and career guidance in the field of space technology.

The following list of students attending the programme conducted by mechanical engineering department.

1.	4PS20ME009	Anushree P	9353476501
2.	4PS20ME061	Ranjith	6364676228
3.	4PS20ME064	S L Ullas Vaicharika	9606260905
4.	4PS20ME067	Santhosh D R	9606380368
5.	4PS20ME074	Sourabh Kotwal	9682571659
6.	4PS20ME075	Sowndarya K J	9353476501
7.	4PS20ME080	Vaishnavi N.M	8050576076
8.	4PS20ME081	Vandana M	8123268933
9.	4PS21ME402	Akash S.D	6361353426
10.	4PS21ME451	Sharath K S	7996218032
11.	4PS21ME455	Vasanth Kumar A P	8150823713
12.	4PS21ME457	Vishnuvardhan J	9986049779
13.	4PS20ME001	Abhishek B	6362790565
14.	4PS21ME446	Pradeep G A	8494920541
15.	4PS20ME017	Durgaprasad Y S	7204279399
16.	4PS19ME071	Mohammed Asnain N M	7090993121
17.	4PS21ME433	Manoj Kumar K T	6361330995
18.	4PS21ME405	Bharath P	6361502458
19.	4PS21ME460	Vybhav S R	6362166265
20.	4PS20ME040	Madhuvanth D M	9148335491

Submitted by:

(Dr. Sadashiva M)

MEA Secretary



**Department of Mechanical Engineering,
PES College of Engineering, Mandya**

Program No.3

Report on Selection of class representatives (CR'S) & department secretary (DS) / Election of CR & DS for the academic year 2023-24.

Date: 11th November, 2023

Venue: Respective Class Rooms & Meeting Hall, Dept. of Mechanical Engineering,
PES College of Engineering, Mandya.

Event coordinators:

Sl. No.	Class Teachers Name	Class
1	Prof. Avinash M	1 st Sem, N Sec.
2	Dr. RupeshS	3 rd Sem, A Sec.
3	Prof. K N Pavan	3 rd Sem, B Sec.
4	Prof. Doddaswamy	5 th Sem, A Sec.
5	Dr. Lakshmi Narasimha Murthy H R	5 th Sem, B Sec.
6	Prof. Syed Imran Ali	5 th Sem, C Sec.
7	Prof. Srikanthshekhar K C	7 th Sem, A Sec.
8	Dr. Madhudusudana C K	7 th Sem, B Sec.
9	Prof. Anand K	7 th Sem, B Sec.

Selection Process Report: Student Class Representatives and Department Secretary

Date: 11.11.2023

1. Introduction:

The purpose of this report is to outline and document the selection process for student class representatives and the student department secretary. These roles are crucial in fostering student engagement, representation, and effective communication within the **Mechanical Engineering Department** for the academic year 2023-24.

2. Selection Criteria:

The selection criteria for these positions were designed to ensure that individuals selected would possess the necessary qualities and skills to effectively represent their peers and contribute positively to the academic environment.

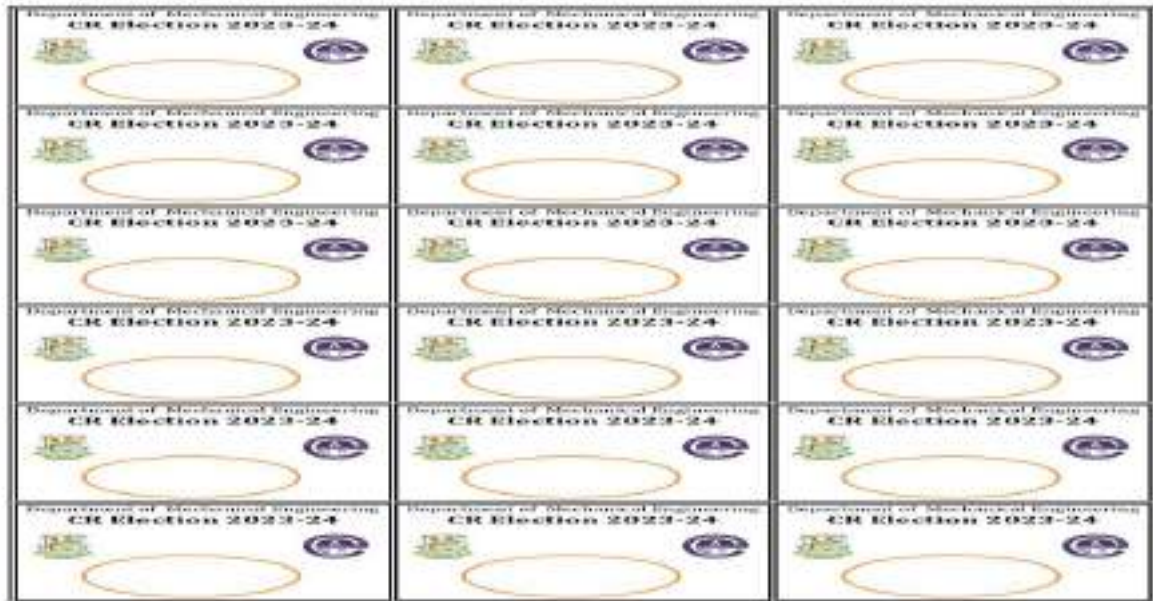
The criteria included:

- **Leadership Skills:** Ability to lead, motivate, and engage fellow students.
- **Communication Skills:** Proficiency in verbal and written communication to convey ideas and concerns effectively.
- **Teamwork and Collaboration:** Capability to work collaboratively with peers, faculty, and administrative staff.
- **Commitment and Reliability:** Dedication to fulfilling the responsibilities of the role and reliability in meeting deadlines and commitments.
- **Problem-Solving Ability:** Capacity to address challenges and propose viable solutions.

3. Selection Process Overview: The selection process was structured to be inclusive, transparent, and fair for all interested candidates. It involved several stages;

- **Nomination Phase:** Students were invited to nominate themselves or their peers for the positions. Nominees were required to submit a brief statement outlining their intentions and qualifications.
- **Initial Screening:** The nominations were reviewed by a selection committee composed of faculty members and existing student council members. This phase involved a review of the candidates' submitted statements and an initial assessment of their eligibility based on the selection criteria.
- **Candidate Evaluation:** Shortlisted candidates proceeded to the evaluation stage, where they participated in interviews, group discussions, or presentations. This phase aimed to assess their suitability for the roles based on the criteria.

- **Voting Process:** In some cases, a voting process among peers was conducted to gauge student opinion and preference for the final candidates. This step provided valuable input to the selection committee.



Samples of voting ballots



Final Selection: After careful consideration of all aspects, the selection committee made the final decisions regarding the appointment of student class representatives and the department secretary.



4. Outcome and Appointment:

List of Elected Student Class Representatives for academic year 2023-24

Sl. No.	USN	Name	Class	Mobile No.
1	4PS23ME	Chethan Kumar A	1 st Sem, N Sec.	9902166258
2	4PS22ME027	Manoj K P	3 rd Sem, A Sec.	7090467558
3	Diploma	-	3 rd Sem, B Sec.	-
4	4PS21ME010	Charan Karthik U K	5th Sem, A Sec.	8151985058
5	4PS21ME051	Nithin S Gowda	5 th Sem, B Sec.	9380346019
6	4PS22ME444	Sanjay R P	5 th Sem, C Sec.	7338129067
7	4PS20ME014	Chandan R	7 th Sem, A Sec.	8073784482
8	4PS20ME049	Nikith B	7 th Sem, B Sec.	6362933198
9	4PS20ME062	Ravikumar G N	7 th Sem, C Sec.	6364353044

Department secretary for the academic year 2023-24

Department secretary (DS)	4PS21ME010	Charan Karthik U K	5th Sem, A Sec.
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5. Conclusion:

The selection process for student representatives and the department secretary was conducted meticulously and aimed to ensure fairness, transparency, and merit-based selection. The appointed individuals are expected to contribute significantly to the school/university community, serving as effective liaisons between students, faculty, and administration.

6. Recommendations for Future Processes:

- Encourage broader student participation in the nomination process.
- Offer training or workshops for candidates to develop necessary skills for leadership roles.
- Consider incorporating feedback mechanisms for continuous improvement of the selection process.

This report provides an overview of the selection process, outcomes, and recommendations for future improvements in the selection of student representatives and department secretaries.

7. Photo graphs of Program:



(Dr. Sadashiva M)
MEA Secretary

(Dr. Rudresh Addamani)
HOD of M.E

REPORT

Program No.4

EVENT: National Service Scheme (NSS), ME

TOPIC: ADOLESCENCE AGE HEALTH DISORDERS AND MANAGEMENT

VENUE: CRC 105

DATE: 29TH NOVEMBER 2023

To know about adolescence age health disorders and management for girl students of Mechanical Engineering Department P.E.S. college Mandya. A training program is conducted on named "SAKHI".

The training program was coordinated by Dr. Sadashiva M, Dr. Ganapathy Bawage, Dr. M R Srinivas assistant professors mechanical engineering department. Dr. Bhagyavathi H D resource person from MIMS Mandya was invited to train the mechanical engineering department girl students.

Session started at 2:30 PM. Dr. M R Srinivas welcomed all the guests, Dr. Sadashiva M honoured the resource person Dr. Bhagyavathi H D presents the detailed information about the adolescence age health disorders and management. The presentation given by the Dr. Bhagyavathi H D was very good. At the end of session one all the girl students are interacting Dr. Bhagyavathi H D with the to clear their doubts.

Dr. Bhagyavathi H D MIMS, MD, DM in child Adolescence Psychiatry (NIMHANS) she is also professor and head of psychiatry department gave a complete and comprehensive information regarding adolescence, health and various stage in the growth stage of human. At the end the resource person was thank by Dr. M R Srinivas, Dr. Sadashiva M and Dr. Ganapathy Bawage.

Dr. Bhagyavathi H D delivered that, Adolescence often brings about health concerns like acne, eating disorders, depression, anxiety, substance abuse, and reproductive health issues like menstrual irregularities.

Addressing these requires a holistic approach: a balanced diet, regular exercise, proper sleep, and stress management techniques can aid physical and mental well-being.

Encouraging open communication with trusted adults, seeking counseling or therapy, and fostering a supportive environment at home and school are crucial.

Professional help from healthcare providers, therapists, or nutritionists can guide in managing these disorders effectively.

Early intervention and education about these issues play a pivotal role in preventing long-term consequences and promoting overall health during this critical developmental stage.

GALLERY:



Fig: Expert speech Fig: Students attending program



Summary:

A training program for girls students on “SAKHI” on Adolescence Age Health Disorders and Management organized by Department of Mechanical Engineering association for AICTE activity points in association with MEA &NSS Department of Mechanical Engineering.

Resource person: Dr. Bhagyavathi H D
MBBS, MD, DM in child and Adolescence Psychiatry [NIMHANS]
Prof. & Head, Department of Psychiatry,
Mandya Institute of Medical Science (MIMS), Mandya-571401

Venue: CRC 105

Schedule: Date: 29th November 2023 Time: 2.30 to 4.00 pm

Program Officer
National Service Scheme (NSS)
Dept. of Mechanical Engg



REPORT

Programme No.5

EVENT: Vikasana IRUD

TOPIC: The Role of Youths- Sustainable Development Goals

VENUE: Placement Auditorium

DATE & TIME: 20/12/2023 at 10:00 am to 4:00 pm

Vikasana IRUD in collaboration with Vishwa Yuvak Kendra, New Delhi, Conducted a Seminar in PES College of Engineering, Campus Mandya. Regarding The Role of Youths- Sustainable Development Goals by trainer Mahesh Chandra Guru.

The main aim of the program is to bring awareness to the students about Role of Youths- Sustainable Development Goals.

One day workshop begins with an Inaugural Function. The program started at 10:00 am with the welcome address by Dr.B.Dinesh Prabhu , Professor and Dean(Academics) department of automobile engineering.

Dr Shankara Prasad (Founder and Managing Trustee, Sampurna Swaraj Foundation) is a resource person who inspired the students towards the recent Role of Youths-Sustainable Development Goals.

The 17 ambitious goals address a wide range of critical issues, from eradicating poverty and hunger to promoting clean energy and gender equality. Students also interacted with resource person and clarified the doubts and took the guidance about their career growth.

More than 100 Final year students participated in the program.



Dr Shankara Prasad delivering the talk to Mechanical Engineering Students

Outlines of the Programme:

Mahesh Chandra Guru and Dr Shankara Prasad express their view and responsibility of youth of the india some of the highlights are drawn below:

Sustainable Development Goals (SDGs), established by the United Nations, outline a universal call to action to end poverty, protect the planet, and ensure prosperity for all. Achieving these goals requires collective efforts from various stakeholders, and one crucial demographic that plays a pivotal role in this endeavor is the youth. With their energy, creativity, and passion for positive change, young people are essential agents in the pursuit of sustainable development.

Youth as Catalysts for Change:

Youthful enthusiasm and innovation have the potential to drive transformative change. The SDGs encompass a wide range of interconnected issues, including poverty, hunger, health, education, gender equality, clean water, and climate action. Youth engagement is vital in each of these areas, as young individuals often bring fresh perspectives and innovative solutions to complex challenges.

Education and Awareness:

Education is a cornerstone for achieving the SDGs. Youth, as both recipients and providers of education, can contribute significantly to raising awareness about sustainable development. By promoting education on environmental conservation, social justice, and responsible consumption, young people can inspire their peers and communities to adopt sustainable practices.

Advocacy and Social Movements:

The youth have been instrumental in driving social and environmental movements globally. Advocacy efforts by young activists have successfully raised awareness about climate change, gender inequality, and other issues linked to the SDGs. These movements not only bring attention to critical matters but also put pressure on policymakers and institutions to take meaningful action.

Innovation and Technology:

The digital age has empowered the youth with unprecedented access to information and tools. Young entrepreneurs and innovators can leverage technology to develop sustainable solutions. From renewable energy projects to mobile applications addressing social issues, the youth are at the forefront of harnessing technology for positive change.

Economic Empowerment:

Sustainable economic development is a crucial aspect of the SDGs. By empowering young entrepreneurs, fostering job opportunities, and promoting inclusive economic growth, societies can work towards eradicating poverty and reducing inequalities. Youth-led enterprises that prioritize environmental and social sustainability contribute directly to several SDGs.

Global Citizenship and Collaboration:

The interconnected nature of global challenges necessitates collaboration on an international scale. Youth, often referred to as global citizens, can transcend borders to work collectively on achieving the SDGs. Platforms for international collaboration and exchange of ideas enable young people to learn from diverse perspectives and implement solutions that address global challenges.

Health and Well-being:

The SDGs emphasize the importance of good health and well-being for all. The youth, as future leaders and current influencers, can contribute to promoting mental and physical health awareness. Additionally, their advocacy for inclusive healthcare systems and initiatives can contribute to achieving universal health coverage.

Summary:

The programme focused on the active involvement of youth is indispensable for the realization of the Sustainable Development Goals. Their role spans various domains, including education, advocacy, innovation, economic empowerment, global collaboration, and health promotion. As societies grapple with complex challenges, harnessing the potential of youth is not only essential but also a strategic investment in a sustainable and prosperous future. Governments, institutions, and communities must recognize, support, and amplify the contributions of young people in the collective pursuit of the SDGs. By empowering the youth, we pave the way for a more inclusive, resilient, and sustainable world.

Submitted by:

(Dr. Sadashiva M)
MEA Secretary

REPORT

Programme No.6

EVENT: Indian Space Research Organisation (ISRO)

TOPIC: Space on Wheels

VENUE: P.E.S College of Engineering, Mandya

DATE and Time: 20 December 2023 at 9:00 a.m.

i. Abstract: Space on Wheels was an event conducted by ISRO inside a bus, which featured models of ISRO Launch Vehicles, Satellites, Space applications and the Launch Pads at their Space Centre. The ISRO Space on Wheels initiative aims to create awareness about space technology and its applications among students and faculty members. The visit included interactive sessions, exhibitions and demonstrations related to space science, satellite technology, and ISRO's contributions to India's space program.

The drive was aimed to interact with students and guide them on research and career opportunities in ISRO.

Scaled models of Launch Vehicles, Satellites, Launch Pads and its applications with the help of videos were shown to give an insight of their space program.

More than 65 students of Final year and Pre-final year participated in the program.



Mr. H L Srinivasa Scientist ISRO delivering the talk to Mechanical Engineering Students

ii. Objectives of the programme:

2.1 Create Awareness:

The primary objective of the ISRO Space on Wheels initiative is to create awareness about space technology and its diverse applications among students and faculty members of the Department of Mechanical Engineering.

2.2 Educational Outreach:

To engage with students and faculty, providing them with a unique opportunity to learn about ISRO's launch vehicles, satellites, and space applications through interactive sessions and exhibitions.

2.3 Career Guidance:

To guide students on potential research and career opportunities within ISRO, fostering an understanding of the various roles and contributions that mechanical engineering can make to space exploration.

iii. Scopes of the programme

3.1 Exhibitions and Demonstrations:

The program offers a comprehensive display of scaled models of ISRO's Launch Vehicles, Satellites, and Launch Pads. These exhibits are complemented by informative videos to provide an in-depth understanding of India's space program.

3.2 Interactive Sessions:

Facilitate interactive sessions where students and faculty can directly engage with ISRO representatives, gaining insights into the intricacies of space science, satellite technology, and the broader contributions of ISRO to the nation's space endeavors.

3.3 Career and Research Opportunities:

Through discussions and presentations, the program aims to enlighten participants about the various research and career opportunities available at ISRO, particularly for individuals with a background in mechanical engineering.

iv. Methods:

4.1 Mobile Exhibition Setup:

The ISRO Space on Wheels initiative utilizes a specially designed bus to bring the exhibition directly to educational institutions. The bus is equipped with models, videos, and interactive tools to make the learning experience engaging and accessible.

4.2 Audio-Visual Presentations:

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v. Information:

5.1 Content Covered:

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5.2 Career Guidance:

Information related to career paths within ISRO, especially those relevant to mechanical engineering students, is provided. This includes insights into research opportunities, project involvement, and the skill sets required.

5.3 Awareness on Space Technology:

The initiative aims to impart knowledge about the latest developments in space technology, emphasizing its importance in various sectors and the growth opportunities it presents.



Mr. Dr. Rudresh Addamani HOD Mechanical Engineering Department with Staff and Students

Summary: The program conducted at the Department of Mechanical Engineering, PESCE, Mandya, successfully achieved its objectives. The mobile exhibition facilitated a unique learning experience for students and faculty, providing valuable insights into ISRO's space program. The interactive sessions, exhibitions, and demonstrations effectively conveyed complex concepts in an accessible manner.

Participating students gained a deeper understanding of space technology and its applications, while the career guidance sessions opened doors to potential opportunities within ISRO. The success of this program highlights the importance of such initiatives in bridging the gap between academic learning and real-world applications, especially in the field of mechanical engineering.

the ISRO Space on Wheels initiative at PESCE, Mandya, contributed significantly to fostering awareness, education, and career guidance in the field of space technology.

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Submitted by:

(Dr. Sadashiva M)

MEA Secretary

REPORT ON

Parent-Teachers Meeting

Programme:7

Event: Parents-Teachers Meeting Report - Mechanical Department

Venue: CRC Seminar Hall, PESCE Mandya

Date: 20-01-2024

Introduction:

The Parent-Teachers Meeting (PTM) for the academic year 2024 was conducted by the Mechanical Department in association with MEA on 20th January 2024 at the CRC Seminar Hall PESCE Mandya-571401. The meeting aimed to foster better communication between parents and faculty members, providing a platform to discuss students' academic progress, co-curricular activities, and address any concerns or queries. Program is well organized by Dr.Sadashiva M Secretary for Mechanical Engineering Association, Dr. Srinivasa M R Associate professor and Mr. Santhosh V assistant professor Mechanical Department. The event started at 10:30 AM the meeting saw an encouraging turnout, with a significant number of parents attending the event. The department had meticulously planned the meeting, with faculty members and staff working together to ensure its success. The seminar hall was well-equipped to host the gathering, maintaining a conducive environment for discussions.



Attendance and Academic Progress and Performance

During the meeting, Honorable Principal Dr. H M Nanjundaswamy and HOD of Mechanical Engineering Department Dr. Rudresh addamani interacted with parents to provide comprehensive insights into their wards' academic performance. Individual reports on students' progress, attendance, and examination results were shared with parents. Teachers emphasized the importance of regular attendance, active participation in class, and timely completion of assignments for academic excellence.



Co-Curricular and Extracurricular Activities

The meeting also shed light on the various co-curricular and extracurricular activities offered by the Mechanical Department. Dr. Sadashiva M secretary of MEA is presented the benefits of participating in these activities, such as enhancing soft skills, workshops, AICTE student activity, GOKART club, and leadership qualities, sports activates etc.. All Parents were encouraged to motivate their children to participate actively in workshops, seminars, and competitions to broaden their horizons beyond the academic curriculum.



Addressing Concerns:

The PTM served as an opportunity for parents to express any concerns they might have regarding their children's education and well-being. Faculty members patiently listened to each parent's queries and offered suitable solutions and guidance. Whether it was related to academic challenges, personal development, or career choices, parents found the meeting beneficial in gaining valuable insights.





Parent-Teacher Collaboration:

The meeting concluded with an emphasis on the significance of parent-teacher collaboration. Teachers expressed their willingness to support the students' growth and encouraged parents to maintain an open channel of communication throughout the academic year. Parents were urged to engage in their children's academic journey actively and support their aspirations and ambitions.



Conclusion:

The Parent-Teachers Meeting held on 20th January 2024 at the CRC Seminar Hall, PESCE Mandya, was a productive and successful event. The meeting fostered a positive atmosphere for meaningful discussions and strengthened the bond between parents and faculty members. Such interactions play a pivotal role in shaping students' academic and personal development, ensuring a holistic learning experience.

The Mechanical Department expresses its gratitude to all the parents who attended the meeting and looks forward to continued cooperation in shaping the bright futures of the students.

Feed back of parents

Parent teacher meeting held on 20/01/24 at CRC seminar hall. On this occasion the feedback given by parents are listed in below table

Sl.No.	Name of the parents	Suggestions	Concluded
1	Mrs. Sukanya/ Vivek Gowda 5 th semester	Regarding about status of attendance and test marks through mobile	Incorporating from current academic year.
2	Mr. Vijay/ Sujay 5 th semester	Regarding, insists to make expose the students to current affairs, news paper article and general knowledge	Thank you for your opinion, To enhance and improve students non curricular skills and knowledge , many of activates conducted through MEA, separate newspaper section adopted in college level too.
3	Miss. Swetha (MCA) / Pushpa 3 rd semester	Regarding About Placement	Several skills training, hand on training, placement activates organized in the dept and college level.
4	Mr. Ravi kumar 7 th semester Student	Regarding About usage of mobile	Mobile phones are strictly banned in the college campus and the same thing is displayed throughout college campus
5.	Mr. Sathish B S Research scholar	Regarding future scope of mechanical and placement	GATE and IAS training have conducted and also the placements in our college is good and the details of past 3 years are shown in the meeting

" PARENTS FEED BACK "

Teacher Alilvagibula.
govt. School.

Date

Page

5th 'C'

- 1) 5th Sem Parent. Sukanya/Vivek goud
- x Challenging for being a teacher & student.
 - x Diff in Primary School education & H.E
 - x In pair of student 2018
 - x Education is good.
 - x Caution towards students misbehaviors/Activities.
 - x PPT was informative.
 - x Unaware of more information.
 - x Happy for college system.
 - x Escorting was good →
 - x Students marks & attendance should be reached on the same day.
 - x Updation of student activities on regular basis helps.
 - x This for motivating students at house.

2) Vijay / Sugay 5th Sem 'C' Section.
Brother

- x Unexpected for so many parents attending.
- x He wants his brother to be a good officer.
- x Suggesting to read news papers.
- x More technical talks by success persons.
- x Strong motivation is required.
- x Said many faculties as good.
- x Very shy nature student / Same student is demotivated at school.

* But very happy after making his brother to join this dept.

* Very proud of mech. student.

* By giving Suami Vivekananda example he mentioned to enjoy the student life by having good friendship.

MCA

3) Swetha → Sister → 3rd Purna N' Seta

* Swetha was joining medical but due to some reason joined engg.

* PES College was decided on X- alumni

* Cousin suggested.

* Research about PESCE on facilities.

* About mech, branch will definitely come up in future → said by students.

* Tejas → Gave one placement tutor given by students to her sister for placements (help)

* Chosed right college for sister.

* Progress to be disseminated through mail whatsapp. it would be helpful.

x.

4) Student testimonial — Ravi Kumar.

* Engg madbelen anno intention 2000.

* become dept Secretary.

* learnt many things apart from curriculum.

Mistakes na rectify madkondy i will become good person in future.

*

5) Satish / Research Scholar :

* Expectations are high.

* 18-22 justification, by teacher alone is not possible.

* Placements — recession idue it will improve.

* Job oriented skill sets are required.

* Students should ~~have~~^{be} disciplined, determined, dedicated.

* I wished students do what you want

* Right time for your life, take right decision properly.

* "Student future ~~are~~ is in student hand" narrated through a story. Teacher & parent can just guide but student role with right decision should be there.

Photo gallery





PES COLLEGE OF ENGINEERING, MANDYA-571401
DEPARTMENT OF MECHANICAL ENGINEERING



PARENT SURVEY/ ಪೋಷಕರ ಸಮೀಕ್ಷೆ	
Student Name and Semester (ವಿದ್ಯಾರ್ಥಿಯ ಹೆಸರು /ಸೆಮಿಸ್ಟರ್)	
Name of the Parent/Guardian ಪೋಷಕರ ಹೆಸರು	
Parent Address & Mobile number ವಿಳಾಸ / ಮೊಬೈಲ್ ಸಂಖ್ಯೆ	
Parent Qualification ಪೋಷಕರ ವಿದ್ಯಾರ್ಹತೆ	

Dear Parent,

We are glad that your son/daughter is a student of Mechanical Engineering Department, PES College of Engineering, Mandya. The success of department depends on the excellence of its students. We would like to place on record that as we move on the road to success, your co-operation and support is very significant. We shall very much appreciate and be thankful if you spare part of your precious time to provide feedback and valuable suggestions which are essential in planning for the future new programmes and upgrading the existing ones.

ಆತ್ಮೀಯ ಪೋಷಕರೇ,

ನಿಮ್ಮ ಮಗ/ಮಗಳು ಮಂಡ್ಯದ ಪಿಇಎಸ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಮೆಕ್ಯಾನಿಕಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿಯಾಗಿರುವುದು ನಮಗೆ ಹರ್ಷದಾಯಕವಾಗಿರುತ್ತದೆ. ವಿಭಾಗದ ಯಶಸ್ಸು ಅದರ ವಿದ್ಯಾರ್ಥಿಗಳ ಶ್ರೇಷ್ಠತೆಯನ್ನು ಅವಲಂಬಿಸಿರುತ್ತದೆ. ನಾವು ಯಶಸ್ಸಿನ ಹಾದಿಯಲ್ಲಿ ಸಾಗುತ್ತಿರುವಾಗ, ನಿಮ್ಮ ಸಹಕಾರ ಮತ್ತು ಬೆಂಬಲವು ಬಹಳ ಮಹತ್ವದ್ದಾಗಿದೆ ಎಂದು ಅರಿತಿದ್ದೇವೆ ಮತ್ತು ದಾಖಲಿಸಲು ಬಯಸುತ್ತೇವೆ. ಭವಿಷ್ಯದ ಹೊಸ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಯೋಚಿಸಲು ಮತ್ತು ಅಸ್ತಿತ್ವದಲ್ಲಿರುವವುಗಳನ್ನು ಉನ್ನತೀಕರಿಸಲು ಅಗತ್ಯವಾದ ಪ್ರತಿಕ್ರಿಯೆ ಮತ್ತು ಅಮೂಲ್ಯವಾದ ಸಲಹೆಗಳನ್ನು ಒದಗಿಸಲು ನಿಮ್ಮ ಅಮೂಲ್ಯವಾದ ಸಮಯವನ್ನು ನೀವು ವಿನಿಯೋಗಿಸಿದರೆ ನಾವು ತುಂಬಾ ಪ್ರಶಂಸಿಸುತ್ತೇವೆ ಮತ್ತು ಆಭಾರಿಗಳಾಗಿರುತ್ತೇವೆ.

Vision "Be a department well recognized for its ability to develop competent mechanical engineers capable of working in global environment" a) Aware b) Aware to some Extent c) Unawareness	ಧ್ಯೇಯ : "ಜಾಗತಿಕ ಕಾರ್ಯ ಪರಿಸರದಲ್ಲಿ ಕೆಲಸ ಮಾಡುವ ಸಾಮರ್ಥ್ಯವಿರುವ ಸಮರ್ಥ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರ್‌ಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸುವ ಇಲಾಖೆಯಾಗಿರುವುದು". ಎ) ತಿಳಿದಿದೆ ಬಿ) ಸ್ವಲ್ಪ ಮಟ್ಟಿಗೆ ತಿಳಿದಿದೆ ಸಿ) ತಿಳಿದಿಲ್ಲ	
Mission The Mission of the Department of Mechanical Engineering is to • Provide adequate infrastructure and learning ambience for the development of essential technical skills. • Inculcate a sense of higher education and research orientation. • Foster industry interaction. a) Aware b) Aware to some Extent c) Unawareness	ಉದ್ದೇಶ : • ಅಗತ್ಯ ತಾಂತ್ರಿಕ ಕೌಶಲ್ಯಗಳ ಅಭಿವೃದ್ಧಿಗಾಗಿ ಸಾಕಷ್ಟು ಮೂಲಸೌಕರ್ಯ ಮತ್ತು ಕಲಿಕೆಯ ವಾತಾವರಣವನ್ನು ಒದಗಿಸುವುದು . • ಉನ್ನತ ಶಿಕ್ಷಣ ಮತ್ತು ಸಂಶೋಧನಾ ದೃಷ್ಟಿಕೋನದ ಪ್ರಜ್ಞೆಯನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳಲು ಅನುವು ಮಾಡುವುದು. • ಉದ್ಯಮಗಳ ಜೊತೆ ಒಡನಾಟ ಬೆಳೆಸಿಕೊಳ್ಳುವುದು. ಎ) ತಿಳಿದಿದೆ ಬಿ) ಸ್ವಲ್ಪ ಮಟ್ಟಿಗೆ ತಿಳಿದಿದೆ ಸಿ) ತಿಳಿದಿಲ್ಲ	
Sl No.	Question /ಪ್ರಶ್ನಾವಳಿ	PO/PSO

1	Does your ward show interest and involve in solving house hold engineering problems Always b. Sometimes c. No ನಿಮ್ಮ ಮಗ /ಮಗಳು ಗೃಹ ಕೃತ್ಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ತಾಂತ್ರಿಕ ಸಮಸ್ಯೆಗಳನ್ನು ಬಗೆಹರಿಸಿಕೊಳ್ಳಲು ಆಸಕ್ತಿ ತೋರುತ್ತಿದ್ದಾರೆಯೇ ಮತ್ತು ತೊಡಗಿಕೊಳ್ಳುತ್ತಿದ್ದಾರೆಯೇ ? ಎ. ಹೌದು ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	1,2
2	Have you observed technical maturity and smooth conversation skills in your ward while he/she interact with Engineers and educated community? a. Very much b. To some extent c. No ನಿಮ್ಮ ಮಗ /ಮಗಳು, ಎಂಜಿನಿಯರ್‌ಗಳು ಮತ್ತು ವಿದ್ಯಾವಂತ ಸಮುದಾಯದೊಂದಿಗೆ ಸಂವಹನ ನಡೆಸುವಾಗ ನಿಮ್ಮ ಮಕ್ಕಳಲ್ಲಿ ತಾಂತ್ರಿಕ ಪರಿಪಕ್ವತೆ ಮತ್ತು ಸುಗಮ ಸಂಭಾಷಣೆ ಕೌಶಲ್ಯಗಳನ್ನು ನೀವು ಗಮನಿಸಿದ್ದೀರಾ? ಎ. ಹೌದು ಬಿ. ಸ್ವಲ್ಪ ಮಟ್ಟಿಗೆ ಸಿ. ಇಲ್ಲ	2, 10

3	Does your ward adjust with team of people both in professional and personal life and communicate with team fluently? a. Always b. Sometimes c. No ನಿಮ್ಮ ಮಗ /ಮಗಳು, ವೃತ್ತಿಪರ ಮತ್ತು ವೈಯಕ್ತಿಕ ಜೀವನದಲ್ಲಿ ತಜ್ಞರ ತಂಡದೊಂದಿಗೆ ಹೊಂದಿಕೊಳ್ಳುತ್ತಾರೆಯೇ ಮತ್ತು ತಂಡದೊಂದಿಗೆ ನಿರರ್ಗಳವಾಗಿ ಸಂವಹನ ನಡೆಸುತ್ತಾರೆಯೇ? ಎ. ಯಾವಾಗಲೂ ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	9,10
4	Have you observed your ward design/develop solutions both at profession and home analysing and understanding the problem? Always b. Sometimes c. No ನಿಮ್ಮ ಮಗ / ಮಗಳು, ವೃತ್ತಿಪರ ಮತ್ತು ಗೃಹ ಸಂಭಂದಿತ ಸಮಸ್ಯೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳಲು ಮತ್ತು ಬಗೆಹರಿಸಿಕೊಳ್ಳಲು ಪರಿಹಾರಗಳನ್ನು ವಿನ್ಯಾಸಗೊಳಿಸುವುದು ಮತ್ತು ಅಭಿವೃದ್ಧಿಗೊಳಿಸುವುದನ್ನು ಗಮನಿಸಿದ್ದೀರಾ? ಎ. ಹೌದು ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	3,4
5	How fast your ward in understanding modern technology tools ? Very good b. average c. Slow ಆಧುನಿಕ ತಂತ್ರಜ್ಞಾನ ಪರಿಕರಗಳನ್ನು ಅರ್ಥಮಾಡಿಕೊಳ್ಳುವಲ್ಲಿ ನಿಮ್ಮ ಮಗ / ಮಗಳು ಎಷ್ಟು ಸಮರ್ಥರಾಗಿದ್ದಾರೆ ? ಎ. ಅತ್ಯುತ್ತಮ ಬಿ. ಸಾಧಾರಣ ಸಿ. ಇಲ್ಲ	5
6	Does your ward is capable of managing given project or task with proper planning and execution ? Always b. Sometimes c. No ನಿಮ್ಮ ಮಗ / ಮಗಳು ಸರಿಯಾದ ಯೋಜನೆ ಮತ್ತು ಕಾರ್ಯಗತಗೊಳಿಸುವಿಕೆಯೊಂದಿಗೆ ನೀಡಲಾದ ಯೋಜನೆ ಅಥವಾ ಕಾರ್ಯವನ್ನು ನಿರ್ವಹಿಸಲು ಸಮರ್ಥರಾಗಿದೆಯೇ ? ಎ. ಹೌದು ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	11
7	Have you seen your ward is happy as Mechanical Engineer and enjoyed his professional life as Mechanical Engineer? a. Always b. Sometimes c. No ನಿಮ್ಮ ಮಗ / ಮಗಳು ಮೆಕ್ಯಾನಿಕಲ್ ಇಂಜಿನಿಯರ್ ಆಗಿ ವೃತ್ತಿಪರ ಜೀವನದಲ್ಲಿ ಸಂತುಷ್ಟವಾಗಿರುವುದನ್ನು ನೀವು ಗಮನಿಸಿದ್ದೀರಾ ?	PSO1, PSO2

	ಎ. ಯಾವಾಗಲೂ ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	
8	Does your ward follow ethical practises in both personal and professional life? a. Always b. Sometimes c. No ನಿಮ್ಮ ಮಗ / ಮಗಳು ವೈಯಕ್ತಿಕ ಮತ್ತು ವೃತ್ತಿಪರ ಜೀವನದಲ್ಲಿ ನೈತಿಕ ಅಭ್ಯಾಸಗಳನ್ನು ಅನುಸರಿಸುತ್ತಾರೆಯೇ ? ಎ. ಯಾವಾಗಲೂ ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	8
9	Have you observed your ward discussing societal, environmental and cultural problems as a matured engineer? a. Always b. Sometimes c. No ಪ್ರಬುದ್ಧ ಇಂಜಿನಿಯರ್ ಆಗಿ ನಿಮ್ಮ ಮಗ / ಮಗಳು ಸಾಮಾಜಿಕ, ಪರಿಸರ ಮತ್ತು ಸಾಂಸ್ಕೃತಿಕ ಸಮಸ್ಯೆಗಳನ್ನು ಚರ್ಚಿಸುತ್ತಿರುವುದನ್ನು ನೀವು ಗಮನಿಸಿದ್ದೀರಾ ? ಎ. ಹೌದು ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	6.7
10	Does your ward show sufficient interest in developing his technical skills and does lot of reading and information collection? a. Always b. Sometimes c. No ☐ ☐ ☐ ☐ ☐ ☐ / ಮಗಳುತಾಂತ್ರಿಕ ಕೌಶಲ್ಯಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸುವಲ್ಲಿ ಸಾಕಷ್ಟು ಆಸಕ್ತಿಯನ್ನು ತೋರಿಸುತ್ತಾರೆಯೇ ಮತ್ತು ಬಹಳಷ್ಟು ಓದುವಿಕೆ ಮತ್ತು ಮಾಹಿತಿ ಸಂಗ್ರಹಣೆಯನ್ನು ಮಾಡುತ್ತಾರೆಯೇ? ಎ. ಯಾವಾಗಲೂ ಬಿ. ಕೆಲವೊಮ್ಮೆ ಸಿ. ಇಲ್ಲ	12

Parent's Signature / ಪ್ರೋಫೆಸರ್ ಸಹಿ :

Submitted by:

Dr. Sadashiva M
 MEA Secretary
 PESCE
 MANDYA-571401

HOD



REPORT

Programme No.

EVENT: Principal's and TPOs Meeting & Memorandum of Understanding

TOPIC: FDP, BEST@PESU & GSSSIETW,

VENUE: GSSS Institute of Engineering & Technology for Women, Mysuru

ATTENDEE: Dr. Sadashiva M , Assistant Professor, Dept. of ME, PESCE

DATE and Time: 24.01.2024, 10.00 AM – 4.00 PM

GSSS Institute of Engineering & Technology for Women, Mysuru proudly announces a groundbreaking collaboration with PES University, Bengaluru, and Bajaj Auto Limited (BAL) for their flagship Corporate Social Responsibility (CSR) initiative, BEST (Bajaj Engineering Skills Training). BEST aims to empower engineering and diploma holders with the latest skills and knowledge essential in the ever-evolving manufacturing industry, enhancing their competence and employability.

The BEST center at GSSS Institute of Engineering & Technology for Women, the second of its kind after PES University Bangalore and the first in Karnataka, is set to be a state-of-the-art facility. It will feature high-quality infrastructure and cutting-edge equipment sourced globally. The center will house highly trained faculty dedicated to imparting advanced manufacturing skills, catering to engineers and diploma holders from Tier 2 and Tier 3 colleges, ensuring they are industry-ready. The program will offer two certification tracks: **Graduate Trainee Engineering for 6 months** and Diploma Trainee Engineering for 4 months.

The Memorandum of Understanding (MOU) formalizing this collaboration was signed by Mr. Ramesh from Bajaj Auto Ltd., Dr. Shivakumar, Principal of GSSS Institute of Engineering & Technology for Women, Dr. K S Sridhar, Registrar of PES University, and Prof. Nagarjuna Sadineni, Director of PESU & BEST, all of whom wholeheartedly support this initiative.

Mr. Ramesh from Bajaj Auto Ltd., during the announcement, shared that BEST (Bajaj Engineering Skills Training) is the flagship CSR project of Bajaj Auto, aiming to establish multiple centers across the South Zone, particularly in the Mysore zone. He emphasized that this initiative is one of the largest skill development programs in the industry and will revolutionize core engineering, upskilling youth for employment in the manufacturing sector.

Dr. K S Sridhar, the Registrar, expressed that this unique partnership would become a noteworthy case study. He highlighted that the skills imparted through the center will create employment opportunities, especially for graduates from tier 2 and 3 cities.

In his address, Dr. Shivakumar, Principal of GSSS Institute of Engineering & Technology for Women, expressed extreme happiness about the collaboration and MOU with PESU & Bajaj

HIGHLIGHTS OF BAJAJ ENGINEERING SKILLS TRAINING (BEST.) COLLABORATION WITH PES UNIVERSITY.

PES University & Bajaj Auto Ltd. to start skill training initiative BEST (Bajaj Engineering Skills Training)

PES University & Bajaj Auto Ltd. launches an initiative to train engineering graduates and diploma holders in advanced technical Skills encompassing multiple areas in latest technologies for manufacturing industry. This initiative is brought out by Bajaj by establishing Bajaj Engineering Skills Training (BEST) centre at PES University campus to support Engineering and Polytechnic colleges across the state of Karnataka.

Meeting Industry Demands through Skill Enhancement

In an era of dynamic technological changes, both the industry and academia face challenges. Unskilled engineering workforce, evolving industry needs, and a gap between current curricula and practical skills have been identified. Recognizing these challenges, PES University and Bajaj Auto Ltd. join forces to address the need for upskilling.

Empowering the Future

With the establishment of BEST centre at PES campus graduate engineers and diploma holders selected to under go the training at BEST centre will receive hands on exposure by working on state-of-the-art equipment which will enable them to seek better employment opportunities.

About training at BEST centre

The BEST center at PES boasts state-of-the-art facilities, top-notch infrastructure, and cutting-edge equipment. Two certification tracks, Graduate Trainee Engineering (6 months) and Diploma Trainee Engineering (4 months), offer comprehensive training.

Curriculum Highlights

Modules: BEST's curriculum encompasses four interdisciplinary learning modules:

- Module 1 - Mechatronics
- Module 2 - Motion Control & Sensor Technology
- Module 3 - Robotics & Automation
- Module 4 - Industry 4.0 & Smart Manufacturing

With a focus on practical, project-based learning, the program allocates 70% of the training to hands-on experience.

Infrastructure & Industry Support

Facilities: The BEST center provides fully equipped laboratories featuring advanced equipment for Smart Vision, Augmented Reality(AR), Virtual Reality(VR), Internet of Things (IoT), Autonomous Mobile Robot(AMR), and Computer Integrated Manufacturing (CIM). Industry leaders and engineering experts from Bajaj Auto Ltd. contribute to the curriculum design, ensuring industry relevance.

Inclusive Opportunities

Scholarships and Placement Support: BEST prioritizes inclusivity by offering scholarships to deserving candidates, opening doors for students from diverse backgrounds. PES University and BEST will collaborate with industries to provide placement assistance, facilitating the entry of skilled graduates into the advanced manufacturing industry.

Join Us in Shaping the Future!

Engineering graduates/Polytechnic students who have completed Undergraduate Engineering courses in the state of Karnataka with first class or pursuing final year students can reach out to BEST through their institutions.

For inquiries, partnerships, and admissions, please contact best@pes.edu
Visit our website at www.pes.edu/pesu-bajaj-best/

Join PES University and Bajaj Auto Ltd. on this transformative journey.

Together, let's shape a future where skilled professionals thrive in the ever-evolving world of manufacturing and be part of Make in India!

EXCITING OPPORTUNITIES!



CIM LAB



VIRTUAL REALITY



COBOT TRAINING CELL



SPOT WELDING TRAINING CELL

AGENDA

Time	Programme	
10.30am to 10.45am	Registration & Tea	
10.45am to 11.00am	Welcome Address by GSSSIETW	Dr. Shivakumar Principal, GSSS Institute of Engineering and Technology for Women
11am to 11.10am	Introduction about PESU & BEST@PESU	Dr K S Sridhar, Registrar, PES University
11.10am to 11:40am	Presentation by Bajaj Team	Mr. Ramesh (Head Skilling – CSR Bajaj Auto Ltd)
11.45am to 12.15pm	Presentation about PESUxBEST.	Prof. Nagarjuna Sadineni (Pro-Vice Chancellor, PES University & Director, PESUxBEST)
12.15pm to 12.45pm	Q&A Session	PESU Leadership Team & Bajaj Team
12.45pm to 1.00pm	MoU Exchange	PESU Leadership Team & GSSSIETW Leadership Team
1.00pm to 2.00pm	Lunch Break	
2.00pm to 3.00pm	Campus tour of GSSS Institute of Engineering and Technology for Women	
2.30pm to 3.00pm	Interaction with Students	
3.00pm to 3.30pm	Meeting & Tea with the GSSSIT Leadership team	

PHOTOS



Submitted by:

Sadashiva, M. M.Sc., Ph.D.
Assistant Professor
Dept. of Mechanical Engg.
T.E.S. College of Engineering
(An Autonomous Institute Under VTU, Belagavi)
Karnataka - 571 401, Karnataka.



REPORT

Programme No. 9

Date: 26th -29th February 2024,

Place: Kari motor speed, Coimbatore

GO KART: AIMS SEASON 3 FINAL REPORT

AIMS or **Academy of indigenous motor sports** is a competition registered under Academy of indigenous motor sports, education & social welfare trust to offer teams the maximum design flexibility and the freedom to express their creativity and imaginations with very few restrictions on the overall kart design. **AIMS** is a private organization that was founded in 2022 which provides a platform for engineering and diploma candidates to steer their path towards Technical and Managerial expertise. It aims to bridge the gap between the academy and industry by offering a series of design competitions and skill development programs to students where they can learn and implement the knowledge gained through their academics

The challenge is to develop a kart that can successfully compete in all the events described in the AIMS rulebook. Teams are to assume that they work for a firm that design, fabricate, test and demonstrate a prototype kart for the market. The kart's performance such as acceleration, braking, handling and its durability is tested through various events described in the rulebook.

We the students of P.E.S. College of Engineering, Mandya participated in the AIMS registered under Academy of Indigenous Motor Sports. The go-kart design competition was held at Coimbatore, Tamil Nadu from 26th Feb 2024 to 29th Feb

2024. We entered the event under the name of “PEGASUS”, our team consists of 14 members. The AIMS event had some major rule changes which meant we had to build and fabricate a new kart to qualify. We completed building our kart under the guidance of our faculty advisor Asst. Prof. Pavan K N. Our ambition was supported by our college and we were granted financial support and were recognized for taking such bold endeavours.

We had an existing team with male and female driver and for this year we wanted to give a chance for freshers to gain experience and continue participating in such prestigious events. Our recruiting process was rigorous and we were keen to recruit those who had the enthusiasm to learn and contribute something other than theoretical and curriculum bounded knowledge. We participated in the CV (combustion vehicle) category with the engine capacity limited to 150cc. As stated above due to the change in rules we had to build a new chassis to be eligible for the event. We were keen to optimize the material usage to reduce the overall weight of the kart and to make it safer for our drivers. It took us nearly two months to fabricate and test our kart and we spent majority of the final week to diagnoses and recondition our design.

DAY 1

As the competition was held in Tamil Nadu we had packed the pit equipment and left the college one day before the competition. We reached the Hindusthan College of Engineering and Technology around 8 am to attend the inauguration of the AIMS event, we were to register our team and we had got our pit allotment to set up our equipment. We had to present our kart in front of the scrutinizers and there was also driver photoshoot held in the college premises.



Our first day was majorly spent on Inaugural function and Report presentation which was well organized. Our team members were ready with cost and business reports which were to be presented to them. We had to maintain a record of the equipment and tools we had brought along to the event and set up the trolley to safeguard our kart. We were then briefed about the event conduction by the AIMS organizers and were given specific instructions to follow throughout the event.

DAY 2

We reached the pit by 9 am and all the team captains were called for the captain's meet. Day two was about Document verification and Preliminary Technical Inspection (TI). We were given a set of time to modify, if our design wasn't upto the mentioned standards. The technical inspection consists of testing the welded joints, wiring harnesses, system functionality, ground clearance of the karts. The preliminary inspection was taken by two scrutinizers and we were guided by them

to take care of necessary changes that might have been affected during transportation.

We had to clear all the criteria's mentioned in the TI Sheet to be eligible for the dynamic events. During our TI we had a problem regarding the fuel tank and were told to make the adjustment. We quickly rectified and went ahead with TI. We were given the approved mark and our preliminary TI was completed.

Then we cleared ground clearance successfully





DAY 3

The final TI took place on day 3. We cleared the TI and we were on the way to take part in the static events such as CAE report verification, go green and Innovation presentation. After giving the presentation in front of the jury, we were questioned regarding the contents of our presentation to verify whether our understanding about the current market was on par. Once we cleared it, we were given the green signal to proceed to the dynamic events. The events were in the order:

1. Brake Test
2. Acceleration Test
3. Skid-Pad
4. Autocross



We were informed that the endurance race will be held the next day and the award ceremony will be held on day 4 evening.

DAY 4

On the final day of the event, the moment that we were eagerly waiting had finally arrived. The endurance race was first scheduled for Electric Powered karts and subsequently the Combustion Vehicles. There was also a special endurance for

female drivers which was to be held. Our drivers were given the chance to get familiar with the track by taking 1 warm-up lap.



Race was started on the grid. As the race progressed, we gained 2nd position in first lap and we were at good position by the end of the third lap. By the end of the 4th lap, we got through a complication. Our kart could not move as there was a chain slip that took place. We never anticipated this on that crucial day of the event. Immediately our pit crew rushed to resolve the problem but we were not allowed to enter the grid in the middle of the event our crew was totally miserable and helpless at that moment. Though we were disheartened by the incident we kept our spirits high and we gave our best in those circumstances.



After that we did not give up, we tried our best to make things better for girl's endurance but unfortunately it was very heartbreaking to know that the same issue was faced by our female driver again due to the chain slip the kart was not able to move. Even after all these disappointments we kept our hope alive and attended the award ceremony.

As expected, we got first place in Acceleration test with the least timings of 4.8 sec. The unexpected and cheerful moment was when they announced that we had also secured first place in Skid-pad which inspired and motivated our team for our work.

Sl.no	Events	Seconds	Position
1	Acceleration	4.8	1st
2	Skid-pad	20.1	1st



Hindusthan Auditorium





Submitted by:

Prof. Pavan K N

Sadashiva. M. M.E., Ph.D.
Assistant Professor
Dept. of Mechanical Engg.
P.E.S. College of Engineering
(An Autonomous Institute Under VTU, Belagavi)
Mandya - 571 401, Karnataka.