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Department of Electronics & Communication Engineering

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REPORT OF NATIONAL LEVEL COMPETITION

ROBOTHON 2K24

Robothon 2K24, a prestigious 24-hour robotics competition, organized by the department of Electronics and Communication Engineering was held from July 5, 2024, to July 6, 2024 at Jyothy Institute of Technology, Bengaluru. This event was conducted as a part of the e-Yantra Lab established in ECE department at JIT. Robothon 2K24 brought together 52 teams from different states of India, each demonstrating their technical prowess and creativity in robotics. The success of the competition was significantly enhanced by the comprehensive support provided by Dr. K. Chandrasekhar, HOD-ECE, Dr.K.Gopalakrishna, Principal, the management. Dr.Chandrasekhar's guidance and proactive involvement with the core team faculty members of Mr. Nagesh Kumar D N, Asst. Prof., Mr. Madhukar M, Asst. Prof., Mr. Dayananda L N, Asst. Prof., Ms. Krithika P J, Asst. Prof., Ms. Nami Susan Kurian, Asst. Prof., and Mr. Gowtham, Foreman in every stage of the event, from the initial planning to the execution, played a crucial role in ensuring its smooth and successful conduct. The competition was marked by a series of well-structured activities, including inauguration, progress checks, and final evaluations, and concluded with a grand valedictory function. The event was sponsored by IEEE, PANIC, Loginware, Skandish, Siri Technocrats, Technilab Instrument, RGS Instruments, Prolific and MachBee.

Opening Ceremony on 5th July 2024

The opening ceremony commenced with a formal welcome extended to the distinguished dignitaries by Dr. S. Hamsa. This was followed by an invocation performed by the Cultural Vocal Team from the ECE Department, setting an inspirational tone for the event. The ceremonial lighting of the lamp by all dignitaries symbolized the beginning of Robothon 2K24, representing enlightenment and innovation.

Dr. Asha Bharathi S, Associate Professor in the ECE Department, delivered the welcome speech, highlighting the significance of Robothon 2024 and extending a warm welcome to all participants, guests, and dignitaries. This was followed by a keynote address from Dr. Gopalakrishnan K, the Principal, who emphasized the transformative role of robotics in modern technology and encouraged participants to excel in their tasks.

Chief Guest Addresses

The introduction of the chief guests was a key segment of the event. Mrs. Nami Susan Kurian, introduced the first chief guest, Mr.Jaison Jose, Sr. Project Technical Assistant,e-Yantra, IIT Bombay, who was honored with a felicitation ceremony and he delivered an insightful address on the importance of innovation in robotics. Following this, Mrs. Krithika P.J. introduced the second chief guest, Mr.Thejesh P, CEO & Founder, Loginware Pvt Ltd, who was also honoured and provided a thought-provoking speech on the future implications of robotics across various industries.

Trustee and Presidential Remarks

Shri B.K. Ramesh, Trustee JCT, addressed the gathering, highlighting the value of such events in driving technological advancement and fostering collaboration. Shri M. Narasimhan, Vice Chairman, delivered the presidential remarks, expressing gratitude to all participants, organizers, and dignitaries, and praising the overall success of the event.

Competition Details

Following the opening ceremony, teams dispersed to their respective venues to begin the 24-hour competition. The task given for the competition was the Restaurant order taking Robot. The competition was structured into two progress checks and a final evaluation:

- The first progress check occurred at 3:00 PM on July 5, 2024.
- The second progress check was held at 7:00 PM on the same day.
- The final evaluation took place on the morning of July 6, 2024.

Throughout the competition, teams exhibited remarkable ingenuity and dedication in their robotic tasks. All the teams utilized their potential skills to complete the tasks. Timely progress checking and inputs from the juries helped the teams in building the robot faster to complete the task. The event was supported by the juries, staffs, volunteers, and management, who provided essential assistance and ensured the smooth operation of the competition.

Valedictory Function

The valedictory function was held with the esteemed presence of the Principal, Vice-Principal, Trustee-JCT, Head of Department-ECE and jury members on 6th July 2024. Feedback of the event was provided by the participants as well as the juries. The announcement of the winners of Robothon 2K24 was made by Mr. Nagesh Kumar, the e-Yantra Lab Coordinator, JIT. Mrs. Sumangala Geje, Assistant Professor in the ECE Department, delivered the vote of thanks, acknowledging the contributions of all involved—participants, organizers, and supporters—and expressing appreciation for their efforts in ensuring the event's success.

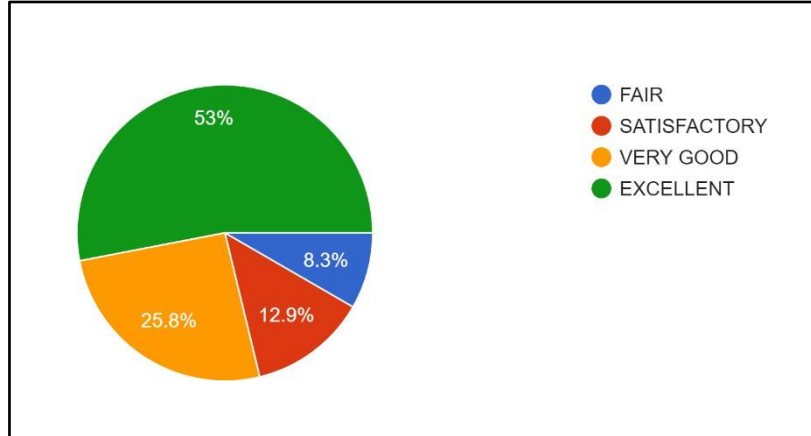
Concluding Remarks

Robothon 2024 stands as a testament to the spirit of innovation and collaboration within the field of robotics. The event provided a dynamic platform for participants to showcase their technical skills and creativity, setting a high standard for future robotics competitions. The successful execution of Robothon 2K24 was a result of meticulous planning, unwavering support from the ECE Department, and the enthusiastic participation of all involved.

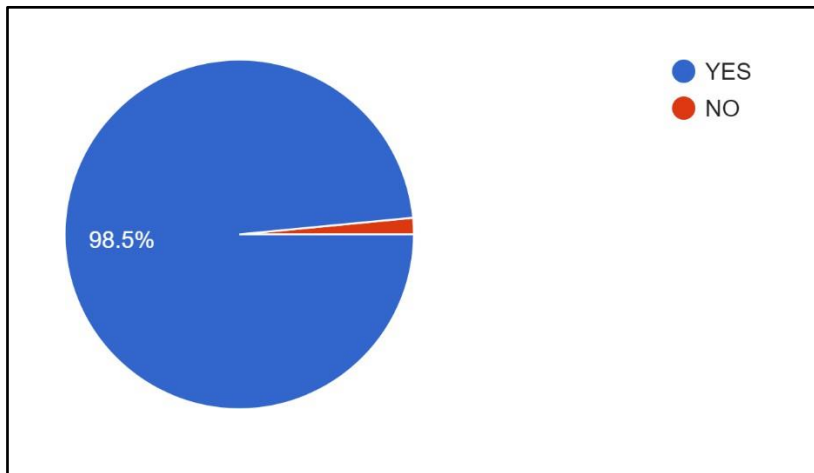
The event not only highlighted the remarkable achievements of the participants but also fostered a vibrant community of robotics enthusiasts. It underscored the significance of hands-on experience and collaborative problem-solving in advancing technological frontiers. As we reflect on the success of Robothon 2K24, we look forward to future editions that will continue to inspire, challenge, and celebrate the remarkable potential of robotics and its impact on the world.

FEEDBACK REPORT

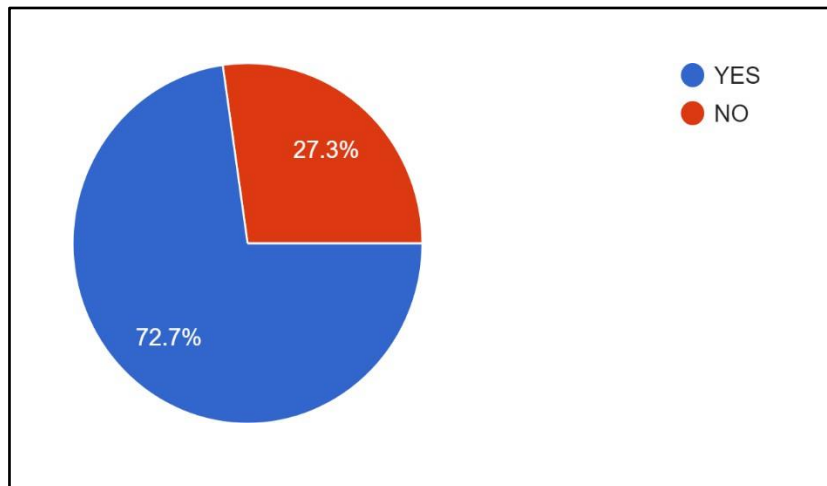
1. How would you rate the organization and logistics of the visit (e.g., scheduling, food, hospitality, transportation, arrangements)?



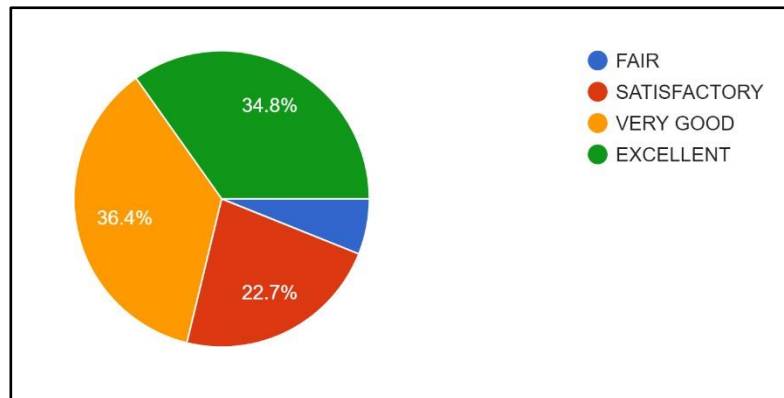
2. Were the Robothon rules and guidelines clear?



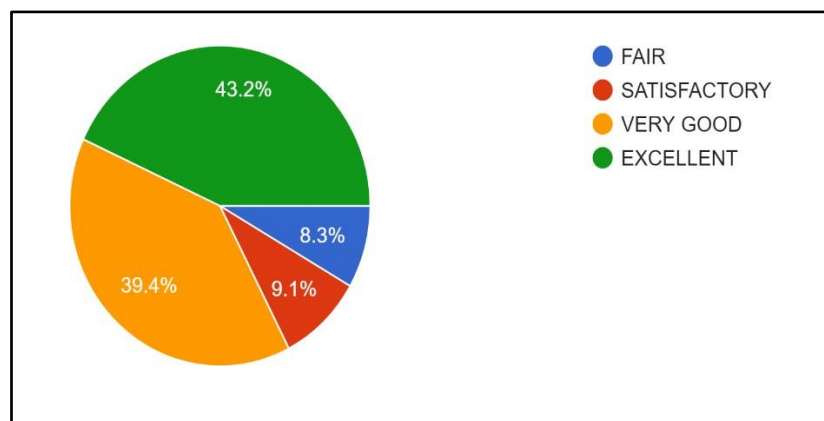
3. Was the time duration sufficient for Robothon competition?



4. How would you rate your experience with the Tech support by the Robothon organizers?



5. Rate your overall experience of the Robothon event at Jyothy Institute of Technology.



Inferences from Feedback:

- **Inference 1: Organizational Efficiency:** The majority of participants were pleased with the organization and logistics of the event, though there are identified areas for further improvement.
- **Inference 2: Clarity of Rules:** The rules and guidelines for the Robothon were comprehensively understood by all participants.
- **Inference 3: Time Allocation:** Most participants felt the time allocated for the competition was adequate, although some suggested that extending the duration might be beneficial.
- **Inference 4: Tech Support:** The tech support provided during the event was generally well-regarded, with opportunities to enhance this aspect further.
- **Inference 5: Overall Experience:** The overall reception of the Robothon event was positive, with suggestions for refinement to enhance future events.

PHOTO GALLERY



Group photo with Robothon 2K24 participants



Inaugural ceremony



Dignitaries on the dias



Felicitation of chief guest Mr.Jaison Jose



Felicitation of chief guest Mr.Thejesh P



Progress check by Juries



Final Evaluation – Task completion



Winners of Robothon 2K24 – Team Robo Dudes from Maharaja Institute of Technology Mysore



First Runner-up of Robothon 2K24 – Team IRIS from NMAM Institute of Technology, NITTE.



Second Runner-up of Robothon 2K24 – Team WSR from NMAM Institute of Technology, NITTE.



Consolation prize 1 – Team Project X from GM Institute of Technology, Davanagere



Consolation prize 2 – Team RIT TITANS from Ramco Institute of Technology, Tamilnadu



Consolation prize 3 – Team Gear Gurus from Bangalore Institute of Technology



Consolation prize 4 – Team Hawk Eye from New Horizon College of Engineering, Bangalore



Valedictory function – with all the winners

Mr. Nagesh Kumar D.N
e-Yantra Lab Coordinator
Assistant Professor
Department of ECE, JIT

Dr.Chandrasekhar K
Senior Member, IEEE
Professor &Head
Department of ECE, JIT