Sreenidhi's Annual Technical Fest 🔺 ISO 20121:2012 CERTIFIED



explore the unwritten lore...



REPORT



Since its inception, the club has been a vanguard in disseminating knowledge and promoting the significance of application-based education. Conducting multiple seminars and workshops on diverse facets of modern science, THE ROBOTICS CLUB - SNIST fosters critical, analytical, and out-of-the-box thinking among learners.

In essence, THE ROBOTICS CLUB - SNIST serves as a polestar, where individuals with a thirst for knowledge can not only glean insights from their seniors but also learn and collaborate with their peers. The club mirrors a spectrum of personalities and backgrounds converging with a shared pursuit of excellence and knowledge—akin to a ray of light, a harmonious blend of various hues, aptly justifying the club's slogan: 'Integrating Knowledge.

About the Event:

The esteemed ROBOTICS CLUB - SNIST proudly presents the annual technical fest, ROBOVEDA, Sreenidhi's Annual Technical Fest. Marking its 15th edition, ROBOVEDA stands as a highly anticipated symposium on the national stage.

More than just an event, The ROBOTICS CLUB serves as a dynamic platform for SNIST students, fostering the integration of knowledge. ROBOVEDA, a magnificent stage in its own right, becomes a golden opportunity for participants to showcase their talents. This edition has transcended the boundaries of impossibility, serving as a conduit for the immersion of technical knowledge and exploration of diverse events namely: Ranaveera, Pushpak, Yantraa, Lakshmanarekha, Sarvaagami, Samanvayi, Gati, Goalaa, Yoddha, Jaladhmatra and a exhilarating drone workshop.

At its core, ROBOVEDA believes that the confidence to take the stage emanates from a robust technical background. The event unfolds as a canvas of exhilarating technical competitions and immersive workshops, offering participants a chance to delve into the intricacies of their craft.

THE ROBOTICS CLUB Integrating Knowledge...



Roboveda'23 embraced the captivating theme of astronomy, symbolizing a profound gesture of support for the celestial realm and a dedicated contribution towards the remarkable advancements in the field. By choosing astronomy as the central theme, the event not only highlighted the vastness of the universe but also underscored the importance of exploring the cosmic wonders that surround us. Roboveda'23, with its focus on astronomy, aimed to inspire participants and attendees alike to reach for the stars in their pursuit of knowledge and technological excellence.

Roboveda'23 is made possible by the generous support of Epiroc Mining India Ltd. as the title sponsor, exemplifying a commitment to technological innovation and advancement. Co-presented by Tenali Double Horse Pulses and Dals, the event receives an elite sponsorship from PR Infra, solidifying a collaborative effort to drive progress in the realm of robotics and astronomy.

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The event is further enhanced by the valued contributions of its sponsors:

- Electronics Partner: Roland Electronics
- Social Media Partner: Robotics India
- Beverage Partner: Coca-Cola
- Energy Partner: Red Bull

Each of these esteemed partners plays a crucial role in shaping Roboveda'23 into a comprehensive and successful event. Their collective sponsorship showcases a dedication to fostering knowledge, technology, and community engagement, making this occasion a vibrant and memorable celebration of robotics and astronomy.



This symposium doesn't just scratch the surface; it provides an unmatched, all-encompassing experience. Participants engage in a journey of working and learning across various facets of robotics, offering a brainstorming commencement for all technophiles and delivering an enthusiastic learning experience.

The event also welcomed numerous school students from Arka International school, Samarthaa International school and Sreenidhi International school who eagerly delved into the array of exhibits and inovative activities, igniting their curiosity and sparking a newfound interest in robotic exploration. Additionally, exclusive project expos was arranged for school students, providing them with a platform to showcase their innovative ideas and creations. The event featured a plethora of captivating events and learning opportunities. Students with a passion for exploration, particularly in the field of robotics, were treated to a feast of innovation and excitement as they witnessed thrilling competitions and groundbreaking inventions unfold before their eyes.

ROBOVEDA is not merely an event; it's a captivating expedition that navigates through the amalgamation of multiple arenas, each focusing on a diverse domain. Embarked on a thrilling journey into the realms of innovation, collaboration, and technical provess at ROBOVEDA'23.

During Roboveda we also arranged a space station vehicle in collaboration with college management. The showcase featured a live model demonstrations of spacecraft mechanisms, lunar landing techniques, and valuable insights into space and satellite operations. Through engaging displays and presentations, students gained a deeper understanding of Chandrayaan missions and ISRO's ongoing endeavors in space exploration.

Adding to the enriching experience, esteemed National Remote Sensing Centre (NRSC) scientists Mr. G. Srinivasa Rao, Ms. Shafali Tandon, and Dr. R. Srinivas graced the event with their presence. They shared invaluable insights gleaned from their extensive experience and expertise in the field, providing students with firsthand knowledge about the challenges and triumphs of space exploration.

Integrating Knowledge...



During Roboveda, alongside our exploration of space, we ventured into the depths of mining with a special collaboration featuring Epiroc Mining Company. We had Sudarshan Vernal, who is the Logistics Manager and Nagendra Vamshi KPV HR manager from Epiroc Mining India Ltd, and was indeed a great honor to work with them for the third consecutive year.

It was also delightful to partner with Double Horse Pulses and Dals who shed light on the agricultural sector. Mr. AJAY from Double Horse Pulses and Dals embraced the event by attending the event

It's wonderful to hear that the event was not only a celebration of robotics and astronomy but also a culinary delight. The diverse and delectable food stalls undoubtedly added a flavorful dimension to the overall experience. Attendees must have enjoyed a feast for their senses, relishing the various mouthwatering dishes on offer.

The colorful banners and dropdowns further enriched the festive ambiance, creating a visually captivating backdrop for the event. These visual elements likely played a crucial role in enhancing the overall atmosphere, contributing to the vibrant and memorable experience that attendees had. The combination of delicious food and visually appealing decorations undoubtedly made the event a sensory treat, leaving a lasting impression on all who participated.

Name of the Organizing club : THE ROBOTICS CLUB SNIST

Faculty Advisor	: Dr. Purushotham
Dean Students Affairs	: Dr. Divya Nadeem
Names of the Student Coord	dinators:
President	: N.V.V.S Narayana
Vice President	: Mugala Shravani
Treasurer	: Abinav Nuthikatla



Chief Event Organizer	: Bangaru Rakesh	
HR	: Venkata Sai Kiran Narra	
Deputy HR	: G.Kovidh Addhish	
PR	: Maliha	
Technical He <mark>ads</mark>	: Ajay Kumar, D. Deekshith	
Technical Deputy Heads	: P. Sudhensh Reddy, V. Sai Shiva Sankeerth	
Technical Events and Event Heads with Event Coordinators:		

• PushpakIdeads: Sai Varun, Harsha VardhanCo-ordinators: G. Nikitha, Sudhanva• RanaveeraIdeads: Lahareesh, SanthoshCo-ordinators: Rishwanth Reddy, Dhanush, G. Aditya• LakshmanaretIdead: G. ShashankCo-ordinators: A. Sathwika, Michael Sushanth



• Gati		
Head	: K. Srilekha, L. S. N. Raju	
Co-ordinators	: Aarushraj, Naveena	
• Goalaa		
Head	: Netala Rossly	
Co-ordinators	: K. Ankith, Tejaswini	
• Yantraa		
Heads	:Ch. Jaya Prakash, K.Rucith	
Co- ordinators	: Vamshi, J. Siddarth	
• Jaladhmatra		
Head	: B. Kaushik	
Co-ordinators	: Mithun Shankar, Mohammed Sannan Ahmed	
• Yoddha		
Heads	: Tata Sunayana, Y. Shreya	
Co-ordinators	: Durgesh, Krishna Chaitanya	

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Event wise Participants list	
Event Name: Pushpak	
Participants:	
Prashanth	Dhanush Kumar
K.Sai Yashwanth Kumar	Sujay Tony
Aravindh	Vinay Praveen
Prasanna Kumar	Swapnil
Event Name: Ranaveera	
Participants:	
Kedar	Arwin Seth
Delson	Siddhank
Nashon	Anuj
Event Name: Lakshmanarekha	
Participants:	
Shaik Movzammil	Delson
Zafeer Ahmed	Anup Krishna
Sathwik	Soumitri



Hanwith	Anudeep
Ramcharan Reddy	Varun
Prasanna Kumar	Aaryan
Sivanesh	Abhijeet
Harith Reddy	Dhanush BM
Rishikeesh	Ranjith
Zoha Azmath	Sai Nischal
Sathya Moorthy	Veeksha
Aravindh	Hrishik Reddy
Dhanush Kumar	Arvin Seth
Akil Krishna	
Event Participants: Gati	
Participants:	
Anish	Veeksha
Mohammed Zaid	Hannah
Sai Nischal	Arnav



Mujahid	Arvin Seth
Yashawi	Aditya
Mythri	Orchu Manikanta
Sarayu	Hrishik Surya
Harshini Reddy	Shiva Manikanta
Harshim Keddy	Dhanush Kumar
Sai Sathwik	Dinesh
Bharath Pol	Vemula Harinadh
Aditi Hotkar	Kodi Akshay
	Abhishik
Rithwik	Chandra Prakash
Manideep	Shashank
Zafeer Ahmed	Deepika
Gowtham Kumar	B.Naveen
Gowmann Kunnar	Sachin
Divya Ganeshwar	B.Sreenija
Deekshith	R.Navimisha
Koushal	A.Nagateja

THE ROBOTICS CLUB, C/O Sreenidhi Institute Of Science and Technology Yamnampet, Ghatkesar, Hyderabad - 501301.

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K.Aditya	
Akshat hippagiri	
Shaajiya	
Event Name: Goalaa	
Participants:	
Anup Krishna	Arvin
Delson	Shaik Movzammil
Zafeer Ahmed	Sai Sathwik
Rithwik	Manideep
Deekshith Reddy	Gowtham Kumar
Divya Gnaneshwar	Koushal
Shiva Manikanta	Hrishik Surya
Sai Nischal	Veeksha
Yashaswi	Goregemythri
Arnav Jaison	Hannah Amariah
Jeevan	Pavan Kumar Reddy
Abhishesk VS	Charan HM

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	integrating knowledge
Anish	T.Aditya
K.Anudeep	Soumitri
K.Varun	Prashanth
K.Vishnu	Sanjana
Vemula Harinadha	Kodi Akshay
Md.Bilal	Aaryan
Ranjith	Abhijeeth
Dhanush	Nashan Peria
Anuj 🕘	Gavin Rodrigues
Anant Desai	Datta Sree
Harshith	Vaishnavi
Sameer	Sai Seshadri Reddy
Sravani	Vasanth
Nagaraju	Shashank
Chandu	Sai Anju
Sachin	K. Aashritha
N. Chetan Kruthi	Fahat Bar Khan
Mubashir Hunian Faruki	Zoha Azmath
Yasser Siraj	Danish Ahmed
Kuchana Sravya	Integrating Knowledge.



Event Name: Samanvayi	
Participants:	
Akshat Hippargi	Aryan Mishra
Shaajiya	Shreyas Kumar
Adithya	Prasanna Kumar
Sathya Moorthi	Ameer Salam
Santhosh Kumar	Pradeep Abhishek
Pavan Kumar Reddy	Gagan Raj
Charan Hm	Jeevan
Ujwal pangadi	Aryan
Abhijeet	Dhanush
Ranjith	Dhanush Kumar S
Akhil Krishna	Anu deep
Prashanth	Harshith

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Event Name: Sarvaagami	
Participants:	
Aditya	Aaryan
Akshat Hippargi	Shaajiya
Shreyaas	Gorega Mytri
Yashaswi Reddy	Sarayu
T. Harshini Reddy Ritvik	B. Manideep
M. Sai Sathwik M. Gowtham Kumar	P. Shivamanikanta Adhithya
Nallakosaki Koushal	Hanvith Reddy
Deekshith Reddy	Orchu Manikanta
Anish	Sai Nischal
Veeksha	Hannah Amariah
Arnar Jason	Kodi Akshay
Kuchana Shravya	Vemula Harinadha Rao
Mohammed Bilal	Nagateja



Sai Seshadri Reddy	N. Vasanth
Pradeep GR	Varun Tej
Kammari Vaishnavi	G. Harshith
K. Karthik	B. Manideep
T. Adithya	HrishikSurya
Sachin	Deepika
Akhilandeshwari	Lahari
Dhanush Kumar	Arvind
Lakshmi <mark>S</mark> ujitha	Ranjith
Abhijeeth	Aaryan
Shaik Muzamil	
EventName: Jaladhmatra	
Participants:	
ZafeerAhmed	
Shaik Mauzamil	
Dhanush Kumar Sathya	
A Moorti Prasanna Kumar	Integrating Knowled
Sivanesh	integrating Knowlea



Aravind

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Akhil Krishna	Yamini Prathiba
G. Harshith	Datta Sree
Sai Anju	V. Dinesh
Venkat	Dinesh Reddy
Danish Ahmed	Arvin Seth
Delson	
Event Name: Pradarshan	
Participants:	
Maniraj	K.Sai kumar
k.Sai shrujan	M.Sathya Narayana
K. Sricharan	N.Srinivasan
k.Shashi Kumar	Bala Krishna
Hari Hara	Mallesh
Sai Aanchan	Aahnika
Datwik	Ritwik Raj



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Bilvika	Sai Praneeth
Harshith	Marthika Deshik
Rohit	Tanushitha
Virat	Tanvi
Darshith	Suprathik
Praveen	Tanish
Eeshan Ahmed	Laxmi
Srujana	Shyan
Ujwal	Hansika
Granthik	Vishwa
Manik 🚽	Manjusha
Veerender	Rishikesh
Sanvi	Deekshit
Medhansh	Sahasnika
P.Asihwary	M.Anshuk
Akira	Nandan
Sathvik	Simritha
Tanu Shri	Prahas
Reddy	Sarvari
Devi	Bhavishya
Sri Rohan	Sahasra



Vidhvan	K.Nitesh
Danuj Kumar	Nayonika
Suraj	Deeep
Amulya	Shravya
Nitigna	Poojitha
Akif	Aanushman
Akankshan	Kushal
Aarham	Sri Vardhan
Syeda Hurena	Sathwik
Sujeeth	Srikar
Likith	Harshini
Laxmi Srujana	Krithika
Amrutha	Aakshara
Pathak Bushra	Bamse
Skanda Viraj	Shruthi
Nadirah	

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Event Name: Drone Workshop	
Participants:	
S. Lokesh Varma	Karthikeya
Shiva Singh	Induja
Dhakshinya	Keerthi
Akhila	Varun
Afif 🔁	Shushanth
Jeevan	Sri Laxmi
Abhi ram	Nipun
Navdeep	Sri Harshini
Vivek	Prassan
Krishna Vamshi	Rohan
Pranav	Vishwanath
Lakshya	Sai Priya
Bhanu Prakash	Akshay
Prasoon Reddy	Bala Krishna



Arti Devi	Mahender
Shivani	Asmith
Abhijeeth	Sarvagna
Dheeraj Kumar	Uttej
Shruti Jahnavi	
Details of Event winners	
PUSHPAK	
Winners:	
K. Sai Yaswanth Kumar	
Runners:	
Aravindh	
Lakshmanrekha	
Winners:	
B.M.Sathyamoorthy	
P. Aravindh	Integrating Knowledge



GOALAA	
Winners:	
Anup Krishna	
N Delson Loyd	
Tellis Arvin Seth	
D'Souza	
Runners:	
G.Harshith	
Kammari Vaishnavi	
Shaik Sameer	
Datta sree	
JALADHMATRA	
Winners:	
S.Dhanush	
Kumar	
Sathyamoorty	
Runners:	
Sivanesh	Integrating Knowledge
Aravindh	



GATI	
Winners:	
Venepalli Sai Nischal	
R.Veeksha	
Runners:	
Kadiyala	
Adithya	
Shaajiya Khan	
Aryan Mishra	
Shreyaas	
Kumar Akshat	
A.Hippargi	
SAMANVAYI	
Winners:	
Pavan Kumar Reddy	
Gagan raj rp	
Charan HM Jeevan	vledge
Ujval pangadi	



Runners:

Dhanush

Kumar S

Akhil Krishna

YODDHA

Winners:

N Delson Loyd

Tellis Arvin Seth

Anup Krishna

Runners:

Harshith

Ruchith

Non-Technical Events and Event Heads with Deputies:

- Marketing
- Heads : Samala Tarun Aditya, P. Tapaswini
- Deputies : Sai Ganesh, Shanmukh
- Publicity
 - Heads : Saathvika Revalla, R. Manihas

Deputies : Bharath Kumar, Priya, Harshika



THE ROBOTICS CLUB - SNIST

• Designing

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: Shreyas Andi, Vanshh Shah Head

Deputies : Mohana, Moiz, Suchetan

Documentation

: Bhuvaneshwari, Gouri Sai Vyshnavi Heads

Deputies : A. Karthik, Ankitha

Organizing

Heads : G. Bhargav, G. Sreenath

Deputies : Rajmohan, Bharath Chandra

Hospitality

: M. Shashank, Deepak Julu Heads

Deputies : D. Nehal, Vivek

Workshop Organizers : Rohith, Nandhini

Deputy for Inventory, Management & development : Deeksha

Date of the Event: 20nd to 22nd November 2023

THE ROBOTICS CLUB



Photographs of the events

1. PUSHPAK: In this, astonishingly drone flies around the obstacles effortlessly. It is a stunning moment to watch it coming out of the loops with a swift speed.



THE ROBOTICS CLUB Integrating Knowledge...



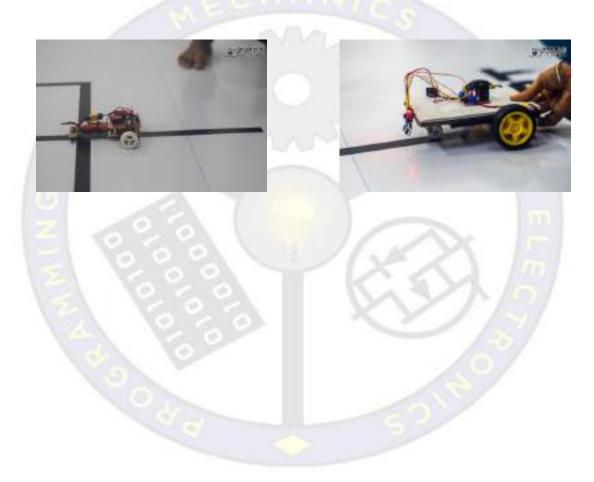
2. RANAVEERA: It is a terrific game of war action between the robots for their survival. It displays the destruction of the robots, the fittest one will survive.



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3. LAKSHMANAREKHA: It is an event in which robots must follow a path, this path comes with deviations, distractions and cross paths. An event to watch robot's line following ability.



THE ROBOTICS CLUB Integrating Knowledge...



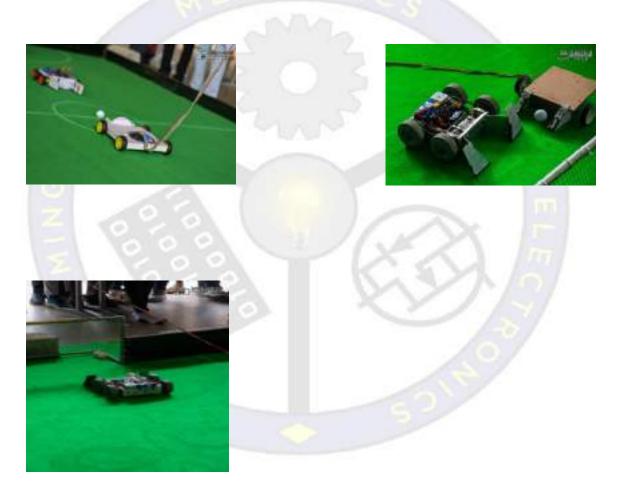
4. GATI: An event in which we can test the robot's ability of accuracy and speed. There is no speed limit, the robot which clears the arena in a short time wins.



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5. GOALAA: It is a perfect event to play robot soccer, and which keeps you mentally stable and focused.



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6. YANTRAA: In this event, there is an ultimate racetrack in which the robots go with an unstoppable speed.



THE ROBOTICS CLUB Integrating Knowledge...



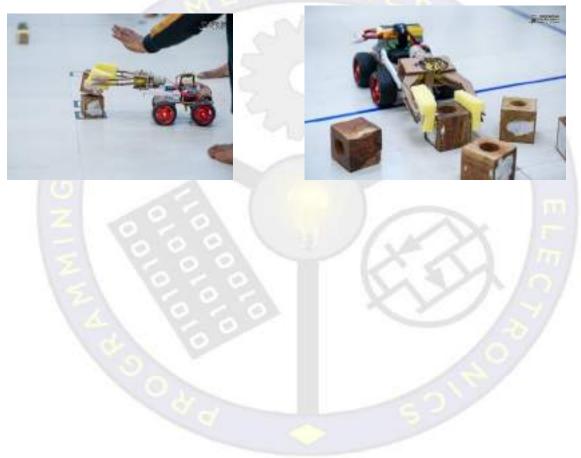
7. SARVAAGAMI: It is an all-terrain robot event in which the robot clears the arena by moving right or left and sliding up and down. It is filled with many challenges.



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8. SAMANAVAYI : It is a game to verify the robot's technique to pick and place the blocks in the right place and position.



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9. YODDHA: It is a challenging game. In this the two robots attempt to push each other out of the arena, the robots should be able to detect an object in proximity and push the object. It's a pure test of strength and dexterity.



THE ROBOTICS CLUB Integrating Knowledge...



10. JALADHMATRA: It is a competition in which the robot has to crack the arena with obstacles in water. The robot that completes the arena of challenges in the least amount of time will be the winner.



THE ROBOTICS CLUB Integrating Knowledge...



11. Workshop

The drone workshop at the event provided students with hands-on experience in building and operating drones, enhancing their understanding of drone technology. Under the guidance of experienced instructors, participants learned to assemble drones, program flight controls, and explore the diverse applications of drone technology.

12. Project expo and paper presentation

The event captivated school students with a diverse array of exhibits and innovative activities, fueling their curiosity and fostering a newfound interest in robotics. Exclusive project expos offered students a platform to showcase their inventive ideas



THE ROBOTICS CLUB Integrating Knowledge...



About the space station vehicle

Roboveda, a collaborative venture between enthusiastic students and college management, orchestrated a remarkable showcase that provided a comprehensive exploration of space exploration. At the heart of the event were live model demonstrations, offering a hands-on experience of spacecraft mechanisms, lunar landing techniques, and the intricate operations of satellites. The attendees were immersed in the fascinating world of space missions, gaining valuable insights into the functioning of propulsion systems, communication devices, and the sophisticated technologies that drive successful lunar landings.

A pivotal focus of the showcase was on Chandrayaan missions, where students delved into the historical and scientific significance of India's contributions to lunar exploration. The event shed light on ISRO's ongoing endeavors in space exploration, offering a glimpse into the future of satellite technology and upcoming missions.

The showcase wasn't just a static display; it featured engaging presentations, interactive exhibits, and multimedia experiences. Students actively participated in organizing, presenting, and interacting with the exhibits, adding a dynamic and collaborative dimension to the event. Moreover, industry experts and speakers from the field of space exploration were invited to share their expertise, providing attendees with a broader perspective on the challenges and advancements in the realm of space science.

Roboveda emerged as more than just an educational platform—it became a testament to the synergy between students, educational institutions, and space agencies. This collaborative effort not only deepened students' understanding of space technology but also ignited a passion for exploration, fostering a keen interest in the exciting possibilities that lie ahead in the ever-evolving field of space science and technology.

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THE ROBOTICS CLUB Integrating Knowledge...



Other Important Information

INTERNATIONAL ORGANISATION FOR STANDARDIZATION (ISO)

Sreenidhi Institute of Science and Technology's annual technical fest, Roboveda, organized by The Robotics Club-SNIST, has achieved official ISO 20121:2012 certification for Event Sustainability Management System from the International Organization for Standardization. This standard, tailored for the event industry, facilitates organizations in enhancing their event-related activities using a globally recognized management systems approach.

Roboveda, a national robotics symposium hosted at Sreenidhi Institute of Science and Technology, serves as a remarkable platform for science and robotics enthusiasts. The Robotics Club-SNIST orchestrates this annual technical event, offering diverse robotics arenas for participants nationwide.

Roboveda's essence lies in elevating the competence of young students and inventors across the country. The Robotics Club-SNIST, as the driving force behind this event, draws upon the passion and determination of its club members and alumni, forming the foundation of South India's largest robotics fest. With each edition, the club aims to enhance competence, consistently striving to deliver excellence.

As one of the nation's premier technical fests, Roboveda's ISO certification reinforces the club's commitment to its motto of providing a learning and exploration platform for everyone, propelling them to even greater heights.



CERTIFICATES:





THE ROBOTICS CLUB Integrating Knowledge...







PUBLICITY

The colorful banners and dropdowns further enriched the festive ambiance, creating a visually captivating backdrop for the event. These visual elements likely played a crucial role in enhancing the overall atmosphere, contributing to the vibrant and memorable experience that attendees had. The combination of delicious food and visually appealing decorations undoubtedly made the event a sensory treat, leaving a lasting impression on all who participated.



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Feedback from the participants:

Feedback:

1. Roboveda Fest is not only educational, but also very enjoyable based on our experience. A positive and dynamic atmosphere is created with the passion and enthusiasm of everyone. We, the BITS Pilani team, stayed at the festival for reasons of intrigue and inspiration to explore more.

2. The networking opportunities at Roboveda Fest are invaluable to gain insights from experienced professionals and fellow enthusiasts. Roboveda Fest is a catalyst for personal and professional growth. Being exposed to new ideas, techniques and approaches has given me a fresh perspective on how we can upgrade our robots to compete more effectively. We, the CBIT team are grateful to the organizers for organizing such an exciting and impactful event. We eagerly await the next edition of Roboveda..

3. We, Team Sahara's experience at Roboveda Fest was an inspiring exploration. The fest introduced me to cutting-edge technologies and diverse approaches to upgrading robots. The workshops provided practical insights, while competitions showcased innovative solutions. Networking opportunities allowed for valuable exchanges with professionals, and the exhibition area was a hands-on exploration of the future of robotics. Kudos to the organizers for a transformative event— I look forward to the next year!!