



# SUDHARSAN ENGINEERING COLLEGE



SATHYAMANGALAM, PUDUKKOTTAI- 622501

# SUDHARSAN CHRONICLES

## WEEKLY MAGAZINE

JANUARY 15-27, 2024



**Visionary:**

**Brahmasri Vanchinatha Dikshithar**

(Father of Shri V.K. Sundaram, Founder Chairman, SET)



## Message from the Management

Dear Friends,

We extend a warm welcome to each of you. A good education plays a major role in shaping each human's success and we believe that with each student, we are not shaping just one individual but raising a society and world with new ideals and progressive thought.

We pride ourselves on being an institution of distinction and provide students with the Best possible enabling-environment to help them achieve their individual goals.

Offering students a wide range of academic courses we provide them a solid academic foundation, guidance and support helping them realize their dreams.

The thrust on academics is strong, yet we also believe in developing the complete human potential through arts, sports and extra-curricular activities. Personality development programmes are also conducted on a regular basis to help students face interviews and project themselves confidently.

We believe that every student who steps out will be an achiever.

**Shri. V. K. Sundaram**  
Founder Chairman

**Shri. K. Vijay Kumar**  
Chairman

**Shri. K. Ajay Kumar**  
Secretary



## Principal's Message

Dear Friends,

Being an educationist is an enriching experience and it is wonderful to watch students you have nurtured blossom before your eyes. SEC lays the foundation for every student's entire career and the right mentoring and guidance are required at this vulnerable stage of life. We offer a supportive environment with individual attention and a nurturing attitude.

Engineering education at SEC is the perfect integration of knowledge, skills, understanding and experience which will stand every student in good stead. We offer modern and sophisticated technical infrastructure and good facilities. It's up to students to make the best of these. We endeavour to provide an inspiring environment and a campus experience that will encourage innovation and push the frontiers of research. We have built constructive and collaborative relationships with the industry and this gives students the right kind of industry exposure.

Every student at SEC is a winner and will step out a full-fledged professional with a bright future.

Dr. K. Srinivasan  
Principal



## Dr. R. Pradeep Kumar's Message



Dr. R. Pradeep Kumar,  
CEO, Amphiventures

### Power up Your Campus with Auto-Evaluation

For the last two decades, E-Box has been at the forefront of auto-evaluation and learning automation. Initially, the company viewed engineering education as the study of designing and analyzing systems, whether it be computer, machinery, electrical/electronic, or biological systems. It is vital in engineering education to verify if a student's system design meets the given requirements and to assess their comprehension of the concept.

Moreover, evaluating the student's ability to apply the acquired knowledge in creating novel systems, machines, and constructions is also necessary. However, every course includes specific exercises to be practiced by the students to gain the required knowledge and skills. Sadly, regulatory bodies such as AICTE/UGC or Universities/Colleges in India have not conducted extensive research on the science of learning engineering. They have merely worked on abstract curriculum or syllabus levels without delving into the delivery, transmission, or assimilation of each concept or course. They have focused on the term OBE, and NAAC/NBA have insisted on defining objectives for courses, assuming that such definitions or a few regulations over the blooms taxonomy model could accomplish it. Nonetheless, this approach has failed, and it's time for everyone to focus on the science of higher education.

In contrast, E-Box has been researching the science of higher education, tech-skilling, and engineering applications to build a comprehensive framework for intricate auto-evaluations. The intricate auto-evaluation enables continuous monitoring of students/trainees and provides personalized attention to every concept and topic they are learning. Human teachers cannot achieve this on a large scale. Even for a class of 60 students, it is impossible for human teachers to drive a practice-oriented approach, wherein students solve hundreds of engineering and technology problems, and subsequently evaluate them manually. But practice-oriented approach is essential for students to learn and develop the required skills. Only platforms with intricate auto-evaluations can provide this. E-Box provides intricate auto-evaluation and learning automation that can power up your campus. It's time for educational institutions to be more responsible and logical and not continue to provide sub-standard engineering education to our Indian youth. Let's understand the science of engineering education.



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## WEEKLY MAGAZINE

January 15-27, 2024

### TABLE OF CONTENTS

	PAGE
REPUBLIC DAY CELEBRATION	2
BSBE-2024	8
PLACEMENT DRIVE	20
IIRS- ISRO OUTREACH PROGRAM	26
FUTURE SKILLS 4.0 TRAINING PROGRAM	31
ENTREPRENEURSHIP AND DEVELOPMENT CELL	33
DEPARTMENT ACHIEVEMENTS FACULTY   STUDENTS AI & DS   CSE   CIVIL   ECE   EEE   MECH	44
SEC@PRESS	58
EDITORIAL BOARD	63



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## REPUBLIC DAY CELEBRATION

**Date:** 26th January 2024

**Venue:** Sudharsan Engineering College

**Celebrated by:** Sudharsan Group of Educational Institutions

### Highlights:

- **Flag Hoisting:** The ceremony commenced with the traditional invocation of "Tamil Thai Vazhthu," followed by the solemn flag hoisting by Shri. K. Ajay Kumar, Secretary, Sudharsan Group of Educational Institutions.
- **Welcome Address:** Dr. K. Srinivasan, Director of the Group, delivered a warm welcome address, setting the tone for the celebrations.
- **Republic Day Address:** Shri K. Vijay Kumar, Chairman of the Group, gave a stirring Republic Day address, reminding everyone of the significance of the day and the sacrifices made by those who fought for our freedom.
- **Cultural Events:** Faculty members of Sudharsan Group of Educational Institutions presented a vibrant array of cultural programs, showcasing the rich heritage and diversity of India.
- **National Anthem:** The ceremony concluded with everyone joining hands and singing the National Anthem, leaving a sense of unity and patriotism in the air.

### Overall:

The 75th Republic Day celebrations at Sudharsan Engineering College were a resounding success. The program served as a reminder of the values of freedom, democracy, and unity that our nation stands for. The cultural performances added a touch of vibrancy and highlighted the cultural tapestry of India. The event concluded with a feeling of pride and hope for the future of the nation.



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Poster:

**SUDHARSAN GROUP OF INSTITUTIONS**  
Engineering | Polytechnic  
Sri Vaschi College of Arts and Science  
Sathiyamangalam, Pudukkottai - 622 001.

**E-Box Colleges**  
We Revolutionize Engineering & Technology Learning

**TNLA**  
**3920**  
Counselling Code

We cordially invite you all for the Republic Day Celebrations 2024

*Happy* **75<sup>th</sup>**  
**REPUBLIC DAY**  
WISHING YOU A PROUD AND VIBRANT REPUBLIC DAY!

**26** 2024  
*January*

Presided by  
**Shri. K. Vijay Kumar**  
Chairman  
**Shri. K. Ajay Kumar**  
Secretary

In the presence of  
**Dr. K. Srinivasan**  
Director  
**Dr. K. Pradeep Kumar**  
CEO, Amph Ventures

**REPUBLIC DAY**  
Agenda

*26<sup>th</sup>*  
*January*

9.00 a.m. Tamil Thai Vazhthu  
9.05 a.m. Flag Hoisting  
**Shri. K. Ajay Kumar**  
Secretary, Sudharsan Group of Institutions

9.15 a.m. Welcome Address  
**Dr. K. Srinivasan,**  
Director, Sudharsan Group of Institutions

9.20 a.m. Republic Day Address  
**Shri. K. Vijay Kumar**  
Chairman, Sudharsan Group of Institutions

9.25 a.m. Cultural program by Faculty  
9.30 a.m. National Anthem  
9.35 a.m. Break Fast





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*Photo: flag hoisting by Shri. K. Ajay Kumar, Secretary, Sudharsan Group of Educational Institutions.*



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*Photo: Principal welcoming the gathering.*



*Photo : Chairman delivering the Republic day address*



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*Photo : Faculty Members singing patriotic songs.*





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## BEST SCHOOL FOR BRAINY ENGINEERS- BSBE 2024

### BSBE 2024: Identifying the next generation of brainy engineers

- **Date:** January 24, 2024
- **Target audience:** 10th and 12th standard students from schools in and around Trichy, Pudukkottai, Thanjavur and Karaikudi
- **Number of participants:** Over 700 students
- Presided by Dr. K. Srinivasan, Principal, Sudharsan Engineering College
- Coordinator: Ms.N.Hemalatha AP/ECE & Admission Officer.

### BROUCHER:



The brochure is a dark blue rectangular graphic with white and yellow text and icons. At the top left is the Sudharsan Engineering College logo. To its right are the E-Box Colleges logo and the Institution's Registrar Office logo. On the far right is a white box with the number '3920' and 'Counselling Code'. The main title 'BEST SCHOOL FOR BRAINY ENGINEERS -BSBE' 2024' is centered in large, bold, yellow and white letters. Below the title are three icons: a palette for 'Drawing', a lightbulb for 'Project Expo', and an alarm clock for 'Quiz'. A row of three icons below these indicates the date 'January 24, 2024', the start time 'Starts 10 a.m.', and the location 'Sona Block'. At the bottom, there is a '10th & 12th standard' icon, a 'Win Attractive Prizes' icon, the coordinator's name 'Mrs. N. Hemalatha, Asst.Prof. / ECE & Admission Officer', a QR code with the text 'Register here', and a URL 'https://forms.gle/x9C2UXazELmKTDuEg'. The contact numbers '7373298192, 97867 86185, 96290 09259, 80725 05910' are listed at the bottom.



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**SUDHARSAN ENGINEERING COLLEGE**  
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai  
Website: <http://www.sudharsan.ac.in> | Sathiyamangalam, Pudukkottai - 622 802

**BEST SCHOOL FOR BRAINY ENGINEERS - BSBE' 2024**  
January 24, 2024

**Shri. V. K. SUNDARAM**  
FOUNDER CHAIRMAN

**Shri. E. VIJAY KUMAR**  
CHAIRMAN

**Shri. K. AJAY KUMAR**  
SECRETARY

**Dr. R. SRINIVASAN**  
PRINCIPAL

**Dr. R. PRADEEP KUMAR**  
CHIEF EXECUTIVE OFFICER

**3920**  
Ranking Code

For Admission Contact:  
73732 98192, 97867 86183, 96290 09239, 98656 69610

- **Events:**

- Drawing competition
- Project Expo
- Quiz

- **BSBE Coordinating Team Members:**

- Dr N Saravanan, AP/Chemistry
- Mr Thirumeni, AP/Maths
- Mr S.John Joseph, HOD/AI&DS
- Ms A.Jenifer Nirosha, AP/ECE

- The program was designed to identify talented students with a passion for science and technology. The competitions provided a platform for students to showcase their skills and knowledge in a fun and engaging environment.
- The drawing competition allowed students to express their creativity on a technical theme. The Project Expo gave students the opportunity to present their innovative ideas to a panel of judges. And the quiz tested students' knowledge of science and engineering concepts.
- All three events were a success, with students from all over the region participating. The winners were awarded prizes for their outstanding work.



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*Photo: Lighting Kuththuvilaku*



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*Photo : Principal Distributing the token of gratitude to the school teachers during the event.*





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## Drawing Report - BSBE 2024

**Participating Schools:** 174 Students from Trichy, Pudukkottai and Tanjavur Districts

Drawing Incharge: Ms.P.Banu, AP/Mathematics

### Event Summary:

The BSBE' 2024 Drawing Competition took place on 24.01.2024 at Drawing Hall. The competition aimed to provide a platform for artists of all ages to showcase their creativity and artistic skills. Organized by Sudharsan Engineering College, Sathiyamangalam the event attracted participants from the local community and beyond, making it a vibrant and diverse gathering of artistic talent.

Judges considered various aspects such as creativity, technique, and adherence to the theme while assessing the artworks.

### Judging Criteria:

- **Creativity:** Originality and innovation of the art.
- **Presentation:** Clarity, effectiveness, and engagement of the presentation.
- **Overall Impression:** Theme and quality of work

### Winners:

Student Name	School Name	Prize
S.SHAMALA	PUNITHA AROCKIA ANNAI HIGHER SECONDARY SCHOOL, KEERANUR	1st
C.VISHALINI	GOVERNMENT HIGHER SECONDARY SCHOOL, MALAIYUR	2nd
M.NAGAGOWRI	RAMANATHA CHETTIYAR HIGHER SECONDARY SCHOOL	2nd
S.BALAJI	ANNA NAGAR BOYS HIGHER SECONDARY SCHOOL, TRICHY	3rd
M.MUKESH	TELC HIGHER SECONDARY SCHOOL, PUDUKKOTTAI	3rd



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Photos:





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## Quiz Report - BSBE 2024

**Participating Schools:** 214 Students from Trichy, Pudukkottai and Tanjavur Districts

Quiz Incharge: Ms.P.Sivapriyanga, AP/CSE

### Event Summary:

The BSBE' 2024 Quiz Competition took place on 24.01.2024 at Sona lab successfully conducted a Quiz competition .The students showcased their brilliance by rapidly answering the questions. Though some of the questions were very tricky, the teams tried to answer them with confidence. Although the teams participated actively, the team that scored the most energetic talents. It was very informative and knowledge enriching competition for the participants along with the audience. The event was organized by Sudharsan Engineering College, Sathiyamangalam and the event attracted the participants from the local community and beyond, making it a vibrant and diverse gathering of a talent and skills.

### Winners:

**11<sup>th</sup> and 12<sup>th</sup> English and Tamil Medium**

Student Name	School Name	Prize
S.SUBIN BENEDICT	PUNITHA AROCKIA ANNAI HIGHER SECONDARY SCHOOL, KEERANUR	1st
G.MARUTHAMUTHU	ALANGUDI BOYS SCHOOL, ALANGUDI	2nd
B.SCHURWIN	O.F.T HIGHER SECONDARY SCHOOL	2nd
E.KOKILA	PUNITHA AROCKIA ANNAI HIGHER SECONDARY SCHOOL, KEERANUR	3rd



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### 9<sup>th</sup> and 10<sup>th</sup> English and Tamil Medium

Student Name	School Name	Prize
S.SHEIK HAMJED	GOVERNMENT HIGHER SECONDARY SCHOOL, THIRUKOGARNAM	1st
B.NANDHAGOPAL	GOVERNMENT BOYS HIGHER SECONDARY SCHOOL, THIRUMAYAM	2nd
S.PRIYADHRSHINI	GOVERNMENT HIGHER SECONDARY SCHOOL, MALAMPATTI	3rd

### Photos:





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## Project Expo Report - BSBE 2024

**Participating Schools:** 15 teams from Trichy, Pudukkottai and Tanjavur Districts

- Project Expo Incharge: D. Saranya, AP/ECE

### Event Summary:

The Project Expo was a grand success, showcasing the innovative talents of young minds. Fifteen teams from various schools in Trichy, Pudukkottai, and Tanjavur districts presented their projects, highlighting their research, creativity, and problem-solving skills. The esteemed judge, Mr.S.Kaliyaperumal, Principal of Sudharsan Polytechnic College, Sathyamangalam, had a challenging task of selecting the winners due to the exceptional calibre of all the participants.

### Judging Criteria:

Projects were evaluated based on the following criteria:

- **Creativity:** Originality and innovation of the project concept.
- **Research:** Depth and thoroughness of research conducted.
- **Presentation:** Clarity, effectiveness, and engagement of the presentation.
- **Communication:** Team's ability to answer questions and explain the project concisely.
- **Overall Impression:** Impact and potential of the project.

### Winners:

Five teams were awarded prizes based on their outstanding performance:

Project Name	Team Members	School	Prize
SMART CITY	WINSON JOYAL- S,NATARAJAN M	GOVT HR SEC SCHOOL,KAVERINAGAR	1st
NON DEGRADABLE PRODUCTS	SHIYAM K	GOVERNMENT BOYS HR SEC SCHOOL ALANGUDI.	2nd
WATER INDICATOR	NTHISH KUMAR C, SELVAMARIMUTHU E	GOVT HR SEC SCHOOL ,MANJANVIDUTHI	2nd
AIR PRESSURE PUMP	BRAGATHISHWARAN.K	GOVT HR SEC SCHOOL ,THIRUKKOKARNAM.	3rd
ELECTRIC MOTOR	KITHIYAN-I	GOVT HR SEC SCHOOL ,MALAMBATTI	3rd



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*Photo : Students are arriving from various schools during BSBE program*



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*Photo: Prize Distribution.*





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## PLACEMENT DRIVE

NAME OF THE EVENT : CAMPUS RECRUITMENT DRIVE

PLACEMENT CO-ORDINATOR : Mr.S.John Joseph , HOD-AI&DS

**SUDHARSAN ENGINEERING COLLEGE** | E-Box Colleges

**3920**  
Counselling Code

**CAMPUS RECRUITMENT DRIVE**  
JANUARY 22, 2024

**SAKTHI GEARS**

B.E. 2020-2024 BATCH  
MECHANICAL ENGINEERING

**Coordinator**  
Mr. S. John Joseph  
HoD/ AI & DS  
Placement Coordinator

**Dr. K. Srinivasan**  
Principal

**Shri. K. Vijay Kumar**  
Chairman

**Shri. K. Ajay Kumar**  
Secretary

**Dr. R. Pradeep Kumar**  
CEO, Amphi Ventures

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**Principal Dr.K.Srinivasan sir and HR address the students in  
Placement Drive.**



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## LIST OF PARTICIPANTS

S. No	Register Number	Student Name	Department
1	814420114001	AATHINAM R	Mechanical Engineering
2	814420114003	SAAHUL HAMEED Z	Mechanical Engineering
3	814420114301	GURU NATHAN M	Mechanical Engineering
4	814420114302	HARIRAHAN A	Mechanical Engineering
5	814420114304	JAYARAMAN R	Mechanical Engineering
6	814420114307	KARTHIKEYAN R	Mechanical Engineering
7	814420114309	PRABAKARAN K	Mechanical Engineering
8	814420114310	SARAVANAKUMAR P	Mechanical Engineering
9	814420114312	SURIYA PRAKASH P	Mechanical Engineering
10	814420114314	VIKRAMJI M	Mechanical Engineering
11	814420114702	MALAIYANDI M	Mechanical Engineering
12	814420114703	ANWAR RAJA M	Mechanical Engineering



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**Final Discussion of Placement Drive**



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**Sudharsan Polytechnic Students Placement Drive**



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**Our College Current Final Year Mechanical Department 12  
Students got Placed in SAKTHI GEARS**



## IIRS- ISRO OUTREACH PROGRAM



**INDIAN INSTITUTE OF REMOTE SENSING**

Indian Space Research Organisation

Department of Space, Govt. of India



सत्यमेव जयते

S.No	Course Name	Course Duration	Date & Time	Registered participants	Course Completed Participants
1	Overview of Global Navigation Satellite System	2 week	Sep 25-Oct 6	2	2

### IRS Outreach Program: Overview of Global Navigation Satellite Systems (GNSS)

#### Aim:

The IIRS Outreach Program's "Overview of GNSS" course aims to:

- Equip participants with a fundamental understanding of GNSS concepts, technologies, and applications.
- Demystify the intricate workings of satellite constellations and signal transmission.
- Explore the diverse range of GNSS applications across various sectors, including agriculture, surveying, navigation, disaster management, and more.
- Foster practical skills in data acquisition, analysis, and utilization for real-world scenarios.

#### Outcomes:

- **Enhanced Knowledge:** Participants gain comprehensive knowledge of GNSS principles, including orbital mechanics, signal structure, error sources, and correction techniques.



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- **Broader Awareness:** They explore the multitude of GNSS applications in sectors like precision agriculture, land surveying, navigation systems, disaster management, environmental monitoring, and scientific research.
- **Skill Development:** Hands-on exercises enhance participants' skills in data acquisition, processing, and analysis using GNSS receivers and software tools.
- **Improved Problem-Solving:** The course encourages critical thinking and application of GNSS knowledge to solve real-world problems in various disciplines.
- **Networking Opportunities:** Interaction with fellow participants and renowned GNSS experts facilitates knowledge exchange and potential collaborations.

### Overall Impact:

The IIRS Outreach Program's "Overview of GNSS" course empowers participants with the expertise to leverage this transformative technology in their respective fields. It fosters a community of informed GNSS users who can contribute to advancements in diverse sectors, ultimately driving innovation and sustainable development.

### Institute Certificate







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## Coordinator Certificate



**भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING**  
 भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION  
 अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम  
ONLINE DISTANCE LEARNING PROGRAMME

COR202412617719

समन्वय का प्रमाणपत्र  
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि **सुधार्सन इंजीनियरिंग कॉलेज** कार्यरत **कु. सरन्या डी.**, ने वैश्विक नौवहन उपग्रह प्रणाली का **अवलोकन** विषय पर इस संस्थान द्वारा दिनांक 25 सितंबर, 2023 से 06 अक्टूबर, 2023 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MS. SARANYA D.**, working with **Sudharsan Engineering College**, has coordinated the online training course on **Overview of Global Navigation Satellite System** conducted by this institute during September 25, 2023 to October 06, 2023

दिनांक Date: 06-01-2024  
उत्सवना Date/Date

  
 प्रमुख,  
 डिजिटल सर्विस, दूरस्थ प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग  
 Head, Geospatial Services, IT & Distance Learning Department, IIRS

  
 समूह प्रमुख,  
 भू-स्थानिक प्रौद्योगिकी एवं अंतरिक्ष कार्यक्रम समूह  
 Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



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### Participants Certificates

अंतरिक्ष विभाग / DEPARTMENT OF SPACE  
भारत सरकार / GOVERNMENT OF INDIA  
भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION  
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

नमोचन नं. / Enrollment No.: 20231262152359

**CERTIFICATE OF ATTENDANCE  
ONLINE COURSE**

यह प्रमाणपत्र  
**MS. SUVATHI**  
को - वैश्विक नेविगेशन उपग्रह प्रणाली का अवलोकन -  
में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।  
इस ऑनलाइन पाठ्यक्रम का आयोजन 25 सितंबर, 2023 से 06 अक्टूबर, 2023 (कुल पाठ्यक्रम की अवधि = 12 घंटे) के दौरान किया गया।  
(संबन्धित आई.आई.आर.एन. नोडल केंद्र - सुधरसन इंजीनियरिंग कॉलेज)

**THIS CERTIFICATE IS  
AWARDED TO  
MS. SUVATHI**  
ON COMPLETION OF THE ONLINE COURSE ON  
"Overview of Global Navigation Satellite System"  
THIS ONLINE COURSE WAS CONDUCTED DURING 25-09-2023 to 06-10-2023 ( Total course duration = 12 hrs ).  
(Concerned IRS Nodal Centre- Sudharsan Engineering College)

Attendance: 100 %

Date: 09-01-2024  
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान  
Coordinator, University/Institution

आई.आई.आर.एन. देहरादून / IRS, Dehradun

URL: <https://sdr2024@iirs44694467612024/> This Certificate can be validated using URL: <https://sdr2024@iirs44694467612024/>

अंतरिक्ष विभाग / DEPARTMENT OF SPACE  
भारत सरकार / GOVERNMENT OF INDIA  
भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION  
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

नमोचन नं. / Enrollment No.: 20231262152416

**CERTIFICATE OF ATTENDANCE  
ONLINE COURSE**

यह प्रमाणपत्र  
**MS. DHANUSRI K.**  
को - वैश्विक नेविगेशन उपग्रह प्रणाली का अवलोकन -  
में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।  
इस ऑनलाइन पाठ्यक्रम का आयोजन 25 सितंबर, 2023 से 06 अक्टूबर, 2023 (कुल पाठ्यक्रम की अवधि = 12 घंटे) के दौरान किया गया।  
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समन्वयक, विश्वविद्यालय/संस्थान  
Coordinator, University/Institution

आई.आई.आर.एन. देहरादून / IRS, Dehradun

URL: <https://sdr2024@iirs44694467612024/> This Certificate can be validated using URL: <https://sdr2024@iirs44694467612024/>



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(Approved by AICTE & Affiliated to Anna University)  
SATHIAMANGALAM, PUDUKKOTTAI- 622 501




**3920**  
Counselling Code

**IIRS-ISRO**  
OUTREACH PROGRAM  
*Nodal centre*

Congratulations!



**SUWATHI S**  
III- ECE



**DHANUSRI K**  
III- ECE

**COMPLETED AND RECEIVED THE CERTIFICATE**

**100 % ATTENDANCE**

**SECURED B+ GRADE IN THE EXAM**

**For the Successful Completion of the IIRS Course - Overview of Geographical Information System**

COURSES COMPLETED

<ol style="list-style-type: none"> <li>1. Overview of free and open source software for Geospatial.</li> <li>2. Geospatial Technology for Climate Smart Agriculture</li> <li>3. Geospatial Technology for Archeological studies</li> <li>4. Satellite meteorology applications in weather and climate studies</li> </ol>	<ol style="list-style-type: none"> <li>5.Integration of ground-based in situ observations/me asurements with EO data for enhanced Geological Applications: Advantages and Challenges</li> <li>6.Monitoring Forest Disturbances using Geo-spatial Technology</li> <li>7.Remote Sensing based data analytics in Agriculture</li> <li>8.Automated Feature Extraction form High Resolution Image</li> </ol>	<ol style="list-style-type: none"> <li>9.RS &amp; GIS Applications in Natural Resource Management</li> <li>10.Overview of Geocomputation and Geo-web services</li> <li>11.Overview of Geographical Information System</li> <li>12.Overview of Global Navigation Satellite System</li> </ol>
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Ms. D. Saranya  
AP/ ECE  
**NODAL CENTRE COORDINATOR**

Dr. K. Srinivasan  
**PRINCIPAL**

[sec.ac.in](http://sec.ac.in)
[sudharsanengineeringcollege](https://www.facebook.com/sudharsanengineeringcollege)
[sec\\_ebox\\_colleges](https://www.linkedin.com/company/sec_ebox_colleges)
[sudharsan\\_engg](https://www.instagram.com/sudharsan_engg)



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# Future Skills 4.0 Training Program

The Ministry of Skill Development and Entrepreneurship is organizing a Skill development training program under the PMKVY 4.0 for the B.E/ B.Tech., M.E/ M.Sc, MCA, M.Tech 2023 passouts & Earlier Batches candidates

Training Partner:

E-Box

Amphiventures

Coimbatore

Venue:

Sudharsan Engineering College , Pudukkottai

Duration : 3 to 4 months

Contact: +91 97867 86185

Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship scheme of the Ministry of Skill Development and Entrepreneurship (MSDE) implemented by National Skill Development Corporation (NSDC). The objective of this Skill Certification scheme is to enable Indian youth to take up industry relevant skill training that will help them in securing a better livelihood.

Tagline: Register yourself for this short term training program and get government certification.



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### EBOX | Future Skills 4.0

#### Training Program

#### Eligibility :

BE, B.Tech, ME, MSc, MCA, M.Tech  
( 2023 passouts & earlier batches )

### Full Stack Web Application Development



#### Sponsored Program

Scan Now



Duration : 3 to 4 Months

Venue : Sudharsan Engineering College,  
Pudukkottai

Limited spots available!



Register Now

<http://bit.ly/48cKwQe>



95000 45254

[e-box.co.in](http://e-box.co.in)



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# ENTREPRENEURSHIP AND DEVELOPMENT CELL

Ms. M. A. Madhumathi, AP/ EEE , EDC COordinator and Ms. T. Porkodi, AP/ AI&DS, IV year Mentor- Niral Thiruvizha have attended the online demo meeting arranged by the Tamil Nadu Skill Development Corporation for the Final year project registration process on 23.01.2024

**Meeting Details- Announcement from EDII-TN**

**DEMO FOR NIRAL THIRUVIZHA REGISTRATION FOR PRINCIPALS & SPOCS OF ENGINEERING COLLEGES**

Hosted by TNSDC

<https://tnsdc.webex.com/tnsdc/j.php?MTID=m7630afoc66d253f9f863fbb3adfaa2>

Tuesday, 23 January, 2024 11:30 | 1 hour | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Meeting number: 2518 573 6004

Password: rsW8SyTtH86

Access code: 251 857 36004



# SUDHARSAN ENGINEERING COLLEGE

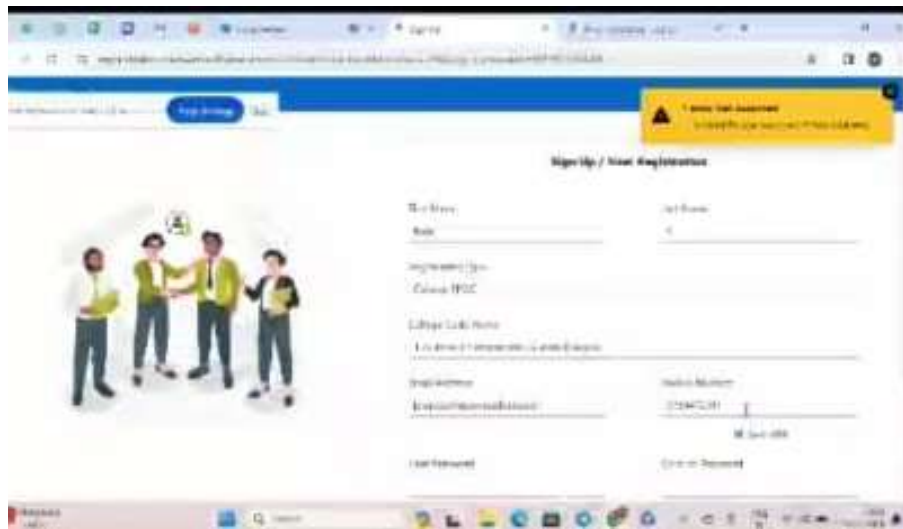
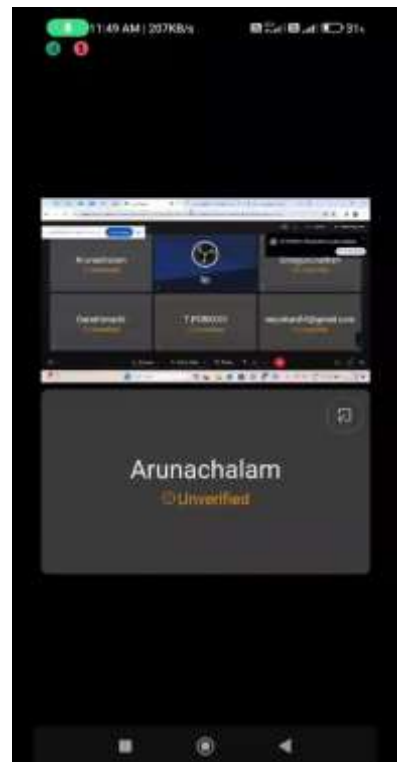
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### Screenshots:





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## Meeting Points:

Registration link : <https://niralthiruvizha.naanmudhalvan.in/>

### Registration Procedure:

1. First Step is to sign up as SPOC using Institution Principal Contact Number & Mail Id (Kindly check the below excel sheet for details if there is a change pls contact the below numbers)
2. Once SPOC Signup is completed and Password is created (Login in to the SPOC Registration)
3. In SPOC Login add all the faculty details who are all going to act as Project Guide (Only after completion of adding faculty guide students can start registering their ideas)
4. In Students Team registration Signup has be done by team leader, once signup is done team leader can add upto 4 members including them and 1 faculty guide to the team
5. Project idea report format attached in website (also added in letter from University registrar) needs to be filled and upload in the student team registration login

For Clarifications Please Reach to:

Dr.K.Arunachalam - Director (CEAT) - Madras Institute of Technology (9884345564)

Mr.S.P.Jesuraja - Executive Manager - Worldskill Competitions & Hackathons - Naan Mudhalvan ( 9789472311)

Mr.Aswin Lejo J G - Program Manager - Naan Mudhalvan (8754427044)

Mrs.Gnanapriya P - Senior Associate - Naan Mudhalvan (9994418192)

Mr.Om Prakash R - Program Manager - Naan Mudhalvan (9944233573)





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## How to register for AU - Niral Thiruvizha on the portal

**Step 1:** Access the AU – Niral Thiruvizha portal in the Naan Mudhalvan Website.

**Step 2:** Click on the SignUp option in the bottom left corner

**Step 3:** You will find the SignUP page. Enter your details



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Under registration type, there will be four options,

- Mentor
- Student team
- Nodal Centre
- College SPOC

Based on your registration type, choose any of the listed four.

### **College SPOC Registration**

Institution principal mail id and contact number is pre populated in the SPOC login. Kindly ensure the same mail id & contact number is used for signup. After signing Up with College SPOC, you will get this page. The college can be selected from the list and the phone number and email ID of the principal to be filled and OTP will be sent to that number. By using the OTP, the registration process can be completed.

The screenshot shows a 'Sign Up' form with the following fields and options:

- First Name:** Input field with the value 'Sudharsan'.
- Last Name:** Input field with the value 'Mha'.
- Registration Type:** Dropdown menu with 'COLLEGE SPOC' selected.
- College Code Name:** Input field.
- Email Address:** Input field.
- Mobile Number:** Input field with a 'Send OTP' button to its right.
- Date of Birth:** Input field.
- Current Password:** Input field.

At the bottom right of the form, there is a 'Submit' button.



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The principal should nominate all the faculties of the college who are interested in guiding the students for the AU-Niral Thiruvizha. These faculties will be guiding the students in their project. Only these faculties can be nominated as faculty guide in student team registration.

**Student Team Registration** - After signing Up with Student Team, you will get this page. In this page, enter the details of the student and the student team will have to choose the problem statements and enter the Concept note for the same.

Student Team Registration

\* Team Leader Name  
App Name

\* Team Leader Email ID  
Email ID@apexlms.com

\* Team Leader Mobile No  
9876543210

\* College Code

\* Team Name

\* Problem Statement

\* Faculty Guide

\* Problem Statement

\* Concept Note

Back to Home Register

After clicking on **REGISTER**, you will need to enter the details of other team students too. You can click on **ADD ROW** option and enter all the names of the team members.

Team Member Details

ADD EDIT DELETE REGISTER

Register Number	Student Name	Student Role	Gender	Email Address	Mobile Number	Department Name
1	...	...	...	...	...	...

1 of 1000000000

There will be space for abstract submission and also a report format can be downloaded to fill and upload in the student team login, which will be considered for evaluation.



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**Mentor Registration** – After signing Up with Mentor option, you will get this page



Click on Expertise Registration and fill in the details asked as show below.

The screenshot shows a web form titled "Mentor Registration". The form is divided into several sections with input fields:

- Personal Information:** Name, Email, Phone Number, Address, City, State, Zip Code.
- Professional Information:** Current Position, Current Organization, Current Location, Current Industry, Current Department, Current Title, Current Salary, Current Experience (Years).
- Academic Information:** Highest Degree, Degree Name, Degree Year, Degree Institution, Degree Location, Degree Title, Degree Status (e.g., Graduated, In Progress).
- Other Information:** Current Employer, Current Employer Address, Current Employer Phone Number, Current Employer Email, Current Employer Website, Current Employer LinkedIn Profile, Current Employer Facebook Profile, Current Employer Twitter Profile, Current Employer YouTube Profile, Current Employer Instagram Profile, Current Employer Snapchat Profile, Current Employer TikTok Profile.

**NOTE:** Mentors can be anyone from academia, working professional, leading industry experts and subject matter experts.



Project titles: sample

ANNEXURE II - PROBLEM STATEMENTS			
Sl. No.	Curated Problem Statements	Innovation Context	Innovation / Output Expected
<b>Agritech &amp; Food Technology</b>			
1	How can we design safer alternatives and improved application techniques to address health hazards associated with pesticides, reducing human exposure and safeguarding both the environment and public health?	Design an advanced technology for safer pesticide alternatives and application methods minimizing health risks, reducing human exposure and protecting the environment and public health.	Organic farming practices
2	How might we develop an affordable specialized vegetable harvester to improve automation and productivity in the agriculture sector, meeting the needs of the masses?	Develop a vegetable harvester to reduce waste and improve productivity	Prototype of an Vegetable harvester
3	How might we develop an innovative, thermally controlled storage system to address challenges in postharvest tomato storage, overcoming limitations in current preservation methods? The goal is to extend shelf life and minimize degradation, marking a significant stride in enhancing storage practices.	Create an innovative storage mechanism to prevent post harvest damages in tomato processing	Storage mechanism system for tomatoes, as are highly perishable and too delicate
4	How might we innovate to address urban excess food waste, hunger-related deaths, and create a logistic network with innovative technology and cost-effective storage solutions? This aims to efficiently transfer surplus food from cities to areas in deficit.	Create an application that facilitates the connection between surplus and deficient food resources within a community's network.	App - cooked food supply chain - ERP model
5	How might we innovate in detection methods for mycotoxins, toxic secondary metabolites in food, to minimize contamination and ensure the safety of food processing units? The goal is to enhance current techniques, primarily chromatographic, for more effective results.	Develop innovative mycotoxin detection methods in food processing units enhancing safety, improving upon current chromatographic techniques for more effective results.	Effective mechanism to detect mycotoxin to ensure safety
6	How can we create an advanced agricultural bot to address challenges faced by small-scale farmers? This involves enhancing crop management, income, and food security through real-time soil testing, pest detection, and autonomous operations, with the aim of doubling agricultural output and income.	Create an AI-driven agricultural bot featuring voice chat capabilities to tackle issues encountered by small-scale farmers. This includes real-time soil testing, pest detection, and autonomous operations, aiming to address challenges related to crop management, income, and food security.	Chatbot - AI driven interactive agri bot providing realtime assistance in cultivation and market linkages
7	How we design a cost-effective, energy-efficient small-scale cold storage unit for horticultural produce to extend perishable crop shelf life, specifically catering to the preservation needs of small-scale farmers.	Construct a cost-effective prototype for a cold storage unit designed to preserve horticultural produce.	Low cost Cold storage unit for horticulture produce



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## Detailed Guidelines

### Naan Mudhalvan – Anna University Niral Thiruvizha

The vision of Niral Thiruvizha is to kindle the innovative minds of our students to address the persisting issues and real time problems with technology enabled solutions which will improve quality of life. **Students can choose any of the listed problem statement under the 10 themes and work on that to come up with innovative ideas and solve the problems.**

#### Benefits for Participants:

1. Opportunity to work on real-world challenges directly sourced from stakeholders.
2. Hands-on experience in developing and refining innovative solutions.
3. Mentorship and guidance from industry experts.
4. Recognition, prizes, and potential opportunities for further development and funding.

#### Detailed Guidelines:

1. Naan Mudhalvan Anna university Niral Thiruvizha is open to the final year students of all Engineering Colleges from Government Colleges, Government aided Colleges, Government Autonomous Colleges, University Constituent Colleges, University Departments, Self-Financing Autonomous Colleges and Self-Financing Non-Autonomous Colleges will take up this program with 12-credits as project work in their final semester.
2. Any number of teams can represent from each of all the engineering colleges. The Maximum participation is 4 students per team. (Inter disciplinary participation is highly encouraged)
3. Students can choose any of the listed problem statements under the themes and to come up with innovative solutions. Any number of ideas can be submitted from each of the engineering colleges.



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4. The concept of Artificial Intelligence (AI) integrated with all the themes and the students can approach the problem statements and come up with solutions to use AI Technology.
5. The nominated experts will evaluate and shortlist top 1000 project ideas from the ideas submitted by the Engineering colleges across Tamil Nadu.
6. Each selected project idea (top 1000 projects) will get a grant of Rs. 10,000/- to build the prototype and time line to be mapped accordingly to complete the projects by end of April 2024.
7. Once the 1000 ideas are shortlisted, provisional sanction order from anna university will be issued to them and the Respective Institution is to monitor and periodically conduct reviews of the projects. Concern institution will be responsible for the completion of the project and fund utilisation.
8. The faculty nomination to be done on 22<sup>nd</sup> of January in the portal.
9. The student registration in the portal starts on 23<sup>rd</sup> of January and will end on 27<sup>th</sup> of January. The entire 4<sup>th</sup> week of January will be observed as **Naan Mudhalvan - Anna University Niral Thiruvizha week**.
10. The abstract evaluation and the final list of 1000 selected teams will be intimated on 2<sup>nd</sup> February.



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## Project Proposal Template

### TEMPLATE FOR PROJECT PROPOSAL (Max. 5 pages)

1. Major Area
2. Problem statement
3. Total Cost
4. College Code & College Name
5. Guide Name, Designation, Mobile No. & Email id
6. Student Team details:

Sl.No.	Student Reg. No.	Name of the Student	Branch	Mobile No.	email id

7. Project Summary:
8. Proposed solution with methodology
9. Workplan / time schedule indicating the project mile stone
10. Plan of action of implementation
11. List of facilities available in the college to develop the prototype of the project
12. Nature of Industry support for the project, (if any)
13. Details of Financial assistance required
14. Expected outcomes / results





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# DEPARTMENT ACHIEVEMENTS



## Computer Science & Engineering

### NAME OF THE WEBINAR:

Webinar on “**Bamboo in Architecture & develop rural students & Clients**” Organized by The Institution of Engineers (India) Computer Society of India, Trichy.

**DATE : 23.01.2024**

### PARTICIPANT LIST:

- ❖ Ms. P.Parvathi Associate Professor /CSE
- ❖ Mr.A.J.Arunpari AP/CSE
- ❖ Mr.R.Ayyappakumaran AP/ECE
- ❖ Ms.P.Sivapriyanga AP/ECE
- ❖ Ms.M.Ishwarya AP/ECE





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# Electronics & Communication Engineering

## NAME OF THE WEBINAR:

Webinar on “**Sustainable Electronics**” Organized by The Institution of Engineers (India) Computer Society of India, Trichy.

**DATE :** 18.01.2024

## PARTICIPANT LIST:

- ❖ Ms.A.Jenifer Nirosha AP/ECE
- ❖ Ms.D.Saranya AP/ECE





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**NAME OF THE EVENT: Sardar Unity Trinity Quiz**

**DATE : 23.01.2024**

**PARTICIPANT LIST:**

❖ Mr.R. Sarathbabu AP/ECE







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# Electricals & Electronics Engineering

## NAME OF THE WEBINAR:

Webinar on “**Sustainable Electronics**” Organized by The Institution of Engineers (India) Computer Society of India, Trichy.

**DATE :** 18.01.2024

## PARTICIPANT LIST:

- ❖ Ms.M.A Madhumathi AP/EEE





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## NAME OF THE WEBINAR:

Webinar on “**Bamboo in Architecture & develop rural students & Clients**” Organized by The Institution of Engineers (India) Computer Society of India, Trichy.

**DATE :** 23.01.2024

## PARTICIPANT LIST:

- ❖ Ms.M.A Madhumathi AP/EEE





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## Civil Engineering

### NAME OF THE COURSE:

**National Convention Day Webinar on the Theme: "Bamboo in Architecture & to develop rural students & Clients" Organized by The Institution of Engineers (India), held virtually.**

**DATE : 23-01-2024**

### PARTICIPANT LIST

- ❖ **Mr.S.Sundarraaj HOD/Civil**
- ❖ **Mr.P.Siva AP/Civil**
- ❖ **Ms.U.Vaishnavi AP/Civil**





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# Civil Engineering

**NAME OF THE EVENT : IDEAS FOR THE VISION -VIKSIT BHARAT@2047**

**DATE : 23-01-2024**

**PARTICIPANT :**

❖ **Mr.D.Vinothraj AP/MECH**





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NAME OF THE EVENT : SMART INDIA HACKATHON 2023

DATE : 23-01-2024

PARTICIPANT :

❖ Mr.D.Vinothraj AP/MECH AS A EVALUATOR.





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## SEC@PRESS

### புதுக்கோட்டை சுதர்சன் பொறியியல் கல்லூரியில் வளாக நேர்காணல்



புதுக்கோட்டை, ஜன.23-

புதுக்கோட்டை சுதர்சன் பொறியியல் கல்லூரியில் மாபெரும் வளாக நேர்காணல் நேற்று நடைபெற்றது. இதில் கோவை சக்தி கியர்ஸ் நிறுவனத்தின் மனித வள மேம்பாட்டு அதிகாரிகள் நேர்காணலை இரண்டு சுற்றுகளாக நடத்தி இறுதி ஆண்டு இயந்திரவியல் பொறியியல் துறையை சார்ந்த 12 மாணவர்களைத் தேர்வு செய்தனர். இதில் மாணவர்களின் திறனை அறிய அறிவு பரிசோதனை நடத்தப்பட்டது.

நேர்காணலை கல்லூரி முதல்வர் கு.ஸ்ரீநிவாஸன் துவக்கி வைத்தார். நிகழ்ச்சியை துவக்கி வைத்து அவர் கூறுகையில் மாணவர்களின் திறனறிவு ம்

இயந்திரவியல் திறன் மேம்பாடும் வேலை வாய்ப்பிற்கு எவ்வளவு முக்கியம் என்பதை அறிவுறுத்தினார். இந்நிகழ்ச்சியை கல்லூரியின் வேலைவாய்ப்பு ஒருங்கிணைப்பாளர் மற்றும் செயற்கை நுண்ணறிவு மற்றும் தரவு அறிவியல் துறை தலைவர் சூ. ஜானஜோசப் ஏற்பாடு செய்திருந்தார். தேர்வு செய்யப்பட்ட மாணாக்கரை சுதர்சன் கல்வி நிறுவனத்தின் தாளாளர் விஜய்குமார், செயலாளர் அஜய்குமார் மற்றும் ஆம்பிவெஞ்சர்ஸ் தலைமை செயலதிகாரி ப்ரதீப்குமார் பாராட்டினர். இறுதியாக மாணவர்களுக்கு பணி நியமன ஆணைகளை கல்லூரி முதல்வர் கு.ஸ்ரீநிவாஸன் வழங்கினார்.

Placement news @Pudugai Varalaru dated  
January 23, 2024





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### சுதர்சன் கல்வி நிறுவனம் மற்றும் ஸ்ரீவாஞ்சி கல்லூரி இணைந்து சிறந்த பொறியியல் திறன்மிக்க மாணவர்களை கண்டெடுப்பதற்கான போட்டி

புதுக்கோட்டை : ஜன. 25-  
சுதர்சன் கல்வி நிறுவனங்களான சுதர்சன் பொறியியல் கல்லூரி, பாலிடெக்னிக் கல்லூரி மற்றும் ஸ்ரீவாஞ்சி கலை மற்றும் அறிவியல் கல்லூரி இணைந்து பி.எஸ்.பி.இ. 2024 என்ற பத்து மற்றும் பன்னிரெண்டாம் வகுப்பு பள்ளி மாணவ மாணவியர்களில் சிறந்த பொறியியல் திறன்மிக்க மாணவ மாணவிகளை கண்டெடுப்பதற்காகவே ஒவ்வொரு ஆண்டும் இப்போட்டி ஒருங்கிணைக்கப்பட்டு வருகிறது.

இதில் ஓவியப்போட்டி, அறிவியல் செயல் மாதிரிகள் (ப்ரோஜக்ட்), வினாடி வினா போன்ற வெவ்வேறு போட்டிகள் நடத்தப்பட்டது. சுதர்சன் கல்விக் குழுமத்தின் இயக்குனர் முனைவர் கு. ஸ்ரீநிவாஸன் துவக்க உரையாற்றுகையில் கல்லூரியின் சிறப்பு



அம்சங்களையும் இந்நிகழ்ச்சிக்கான நோக்கத்தையும் பள்ளி மாணவ மாணவிகளுக்கு எடுத்துரைத்தார். பள்ளிபடிப்பு மற்றும் பொறியியல் மாணவ மாணவிகள் சாதனைகளையும் பொறியியல் படிப்பின் முக்கியத்துவத்தையும் விளக்கமாக கூறினார்.

இவ்விழாவில் திருச்சி, புதுக்கோட்டை, தஞ்சாவூர், காரைக்குடி போன்ற இடங்களில் இருந்து 700க்கும் மேற்பட்ட பல்வேறு பள்ளி மாணவ மாணவிகள் கலந்துகொண்டு வெற்றி பெற்றனர்.

சுதர்சன் கல்வி குழுமத்தின் தலைமை மாணவர் சேர்க்கை அதிகாரி ஹேமலதா நன்றியுரை கூறி நிகழ்ச்சியை இனிதாக நிறைவு செய்தார். வெற்றி பெற்ற அனைத்து மாணவ மாணவிகளுக்கும் பரிசுகளும் சான்றிதழ்களும் வழங்கப்பட்டது. சுதர்சன் கல்வி குழுமத்தின் நிறுவன தலைவர் ஸ்ரீ வி.கே சுந்தரம், தாளாளர் ஸ்ரீ கே.விஜய் குமார், செயலாளர் ஸ்ரீ கே.அஜய்குமார், ஆம்பி வென்சர்ஸ் தலைமை செயல் அதிகாரி முனைவர். ரா.பிரதீப் குமார் அனைவருக்கும் பாராட்டுத் தெரிவித்தனர்.

BSBE 2024 news @Pudugai Varalaru  
dated January 25, 2024



BSBE 2024 news @Maalaimurasu dated  
January 26, 2024



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