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SETHU TIMES

SETHU INSTITUTE OF TECHNOLOGY

AN AUTONOMOUS INSTITUTION | ACCREDITED WITH 'A++' GRADE BY NAAC
Pulloor-626 115, Kariapatti Taluk. Viruthunagar District.



NEWSLETTER'23

INFOLITE

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Founder & Chairman

MR.S.MOHAMED JALEEL, B.Sc., B.L.,

The founder and Chairman, Mr. S. Mohamed Jaleel, B.Sc., B.L., strongly believes that providing quality technical education is a noble service to the society. He has great ambition to provide excellent academic ambience and higher education in south Tamil Nadu. He has been serving the needy ever since his school days. He was an illustrious student at St. Joseph's College, Trichy. He came out with flying colors and joined law and was awarded a Degree of Bachelor of Law by Madras Law College. With a vision to impart technical knowledge to the economically, socially and industrially backward people, the Founder & Chairman established Sethu Institute of Technology at Pulloor village near Kariapatti in Virudhunagar District in the year 1995. He has been successful in his pursuit of offering quality education to rural poor. Thousands of rural students are being benefited by his philanthropic attitude. His outstanding service to the humanity has crowned him with many awards like Communal Harmony Award by Victoria Edward Hall, Madurai.

He is the President of self-financing Engineering College Management Association of Anna University - Tirunelveli. He was a member of the Vice-Chancellor search committee of Madurai Kamaraj University in the year 2001. He was also nominated as Syndicate Member of the Anna University - Tirunelveli in the year 2008. His service to the rural people is a constant endeavour that makes him a living legend. It is the courage and conviction of our Chairman that has taken Sethu Institute of Technology to soaring heights within a span of twenty eight years.

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Chief Executive Officer

MR.S.M.SEENI MOHAIDEEN, B.Com.,M.B.A.

He is a trust member of Sethu Educational Trust and also the Chief Executive Officer. He is a personality with heterogeneous abilities that map into performances. He did his Master's in Business Administration. He is a former syndicate member of Tamilnadu Open University. He is the Chairman of the Tamilnadu Women's Football Committee and also the former President of the Tamilnadu Football Association. He devotes himself ardently to promote excellence in Administration, Industry Institute Interaction, Accreditation, Faculty Appraisal, Placement and Sports activities in the college. He is the inventor of about 30 inventions. Sethu Institute of Technology is crowned with his outstanding contribution in Intellectual Property Rights. His desire, commitment and accomplishments brighten up the lives of SITians.

Joint Chief Executive Officer

**MR.S.M.SEENI MOHAMED ALIAR MARAIKKAYAR,
B.E.,M.B.A.(UK)**



He is the trust member of Sethu Educational Trust and also the Joint Chief Executive Officer. He did his Bachelor's in Engineering at Sethu Institute of Technology and his Master's in Business Administration at Coventry University, London, UK. He has been inducted into the management team to take the institution into new dimension. He is armed with an infallible spirit of fortitude awakening in raising a gamut of educational exploits to the highest peak of excellence. He possesses excellent problem solving skills and astute leadership qualities. He envisages world-class education to students who would in turn create an indelible impact on the society. The joint chief executive officer has obtained a grant of Rs. 50 Lakhs for his R&D projects.



Director-Administration

MS.S.M.NILOFER FATHIMA, B.E.,M.B.A, (Ph.D)

She is the trust member of Sethu Educational Trust and also the Director-Administration. She is an efficient administrator and she meticulously plans for the growth and development of the institution. Ms.S.M.NiloferFathima did her twofold MBA in Madurai Kamaraj University and Anna University.

She has perfect blend of Professional Excellence and Intellectual Accomplishments. As the Director of Administration, she empowers the college to promote excellence in engineering, technical and professional education.

Director R&D

DR.S.M.NAZIA FATHIMA, B.Tech., M.E., Ph.D.,



She is the trust member of Sethu Educational Trust and also the Director-R&D. She is a prominent Scholar with comprehensive proficiency in research and development activities.

As the Director of R&D, she is an indomitable personality with a vision to fortify the institution through her novel ideas in the expanse of research. She is a technical prodigy and her expertise pilots the institution in the path of glory.

The Director - R&D obtained an award of Rs.11 lakhs under the DST – Lockheed Martin – Tata Trusts IIGP 2.0 University challenge 2019.

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Principal

DR.G.D SIVAKUMAR, B.E., M.E., Ph.D.,

Dr.G.D Sivakumar , B.E.,M.E.,Ph.D., is an able administrator and a committed teacher with more than twenty five years of teaching and research experience. He has specialized in Mechanical Engineering and has a flair for research in various fields like Kanban Systems, Optimization, Heuristics, Lean Manufacturing. He is a true inspiration to everyone. His unwavering dedication to our students and staff is evident in everything he does. With years of experience as an educator, he has a deep understanding of what it takes to create a positive learning environment.

He leads by example and encourages his team to strive for excellence in all areas. Under his guidance, Sethu Institute Of Technology has flourished, with increased student achievement and a strong sense of community. What sets him apart is his commitment to creating a safe and inclusive college culture. he works tirelessly to ensure that all students feel valued and supported, regardless of their background or abilities. His kindness and compassion are felt by everyone who walks through the doors of Sethu Institute of Technology.

We are truly fortunate to have such an incredible leader at the helm of our college. He is a shining example of what can be achieved when someone has a true passion for education and a deep love for their students. We are proud to call him our principal, and we know that he will continue to inspire us all for years to come.

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DEAN (CS & IT)

DR.S.SIVA RANJANI, B.E.,M.E.,Ph.D

She is the Professor and Dean (CSE and IT) of Sethu Institute of Technology. She is well experienced and dedicated teacher service for more than 16 years in academics and research. She has published papers in more than 15 International Journals in peer-reviewed Journals. She has attended more than 20 conferences. She is a recognized supervisor at Anna University and has produced three doctorates. She is awarded "Lilavati Award" in the year 2022 by AICTE, New Delhi for the service rendered by her in the field of Literacy and Life skills. She is approachable and supportive, creating an open-door policy for students and faculty to discuss their concerns and ideas. She is also an excellent listener, taking into account the feedback and suggestions of others to make informed decisions that benefit everyone.

HOD-IT

DR. M. POOMANI (ALIAS) PUNITHA, B.Tech., M.E., Ph.D.,



Dr. M. Poomani@punitha, B.Tech., M.E., Ph.D., is the HOD of Information Technology. She is a Vibrant person with more than 15 years of Teaching Experience. She has published papers in more than 5 Domestic & International Journals. She is working towards connecting young minds to strive towards Success and Achievements. She is known for her Wonderful Administration and High Achievements. She is always looking for new opportunities to improve the department's performance, whether it's by introducing new programs or courses, creating new research initiatives, or improving the quality of teaching and learning. She is also a strategic thinker who has a clear vision for the future of the department.

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FACULTY

There's no word in the language I revere more than teacher



Dr.S.Siva Ranjani

M.Poomani@punitha

Dr.C.Parameswari

Dr.G. Susan Shiny

Dr.V. Akilandeswari

Mr.G. Sivakumar

Mrs.G. Rajalakshmi

Mr.P. Ashok Ram

Mrs.P. Swapna

Mr.S. Parameswaran

Mr.S. Durai Pandi

Mrs.M Sanmuga Priya

Mrs.E.Selvamanju

Mr.J.Marimuthu

Mr.S.Karthick

Mrs.S.Archana Devi

Mrs.J.Suganya Sheshathri

Mr.V Arivu Pandeewaran

Mrs.V Lekhaa

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SETHU INSTITUTE OF TECHNOLOGY INFORMATION TECHNOLOGY

COLLEGE VISION

To promote excellence in technical education and scientific research for the benefit of the society.

COLLEGE MISSION

- To provide quality technical education to fulfill the aspiration of the student and to meet the needs of the Industry
- To provide a holistic learning ambience
- To impart skills leading to employability and entrepreneurship
- To establish effective linkage with Industries
- To promote Research and Development activities
- To offer services for the development of society through Education and Technology

DEPARTMENT VISION

To promote excellence in producing competent IT Professionals to serve the society through technology and research

DEPARTMENT MISSION

- Producing competent professionals in information and communication technologies
- Educating the students with the state of the art computing environment and pedagogical innovations
- Encouraging entrepreneurship and imparting skills for employability
- Establishing collaboration with IT and allied industries
- Promoting research in information and communication technology to improve the quality of human life
- Offering beneficial service to society by imparting knowledge and providing IT solutions

PROGRAM OUTCOMES

1. Apply the knowledge of mathematics, basic science, computer, and communication. Fundamentals to solve complex problems in Information Technology. **[Engineering Knowledge]**

2. Identify, formulate, review research literature, and analyze complex problems reaching concrete conclusions using principles of mathematics, Engineering sciences, and Information Technology. **[Problem Analysis]**

3. Design solutions for complex information and communication engineering problems and design system components or processes that meet realistic constraints for public health, safety, cultural, societal, and environmental considerations. **[Design/Development of Solutions]**

4. Conduct investigations of complex Information technology related problems using research based knowledge and research methods including design of experiments, analysis and interpretation of data to provide valid conclusions through synthesis of information. **[Conduct investigations of complex problems]**

5. Create, select and apply appropriate techniques, resources and modern IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. **[Modern Tool Usage]**

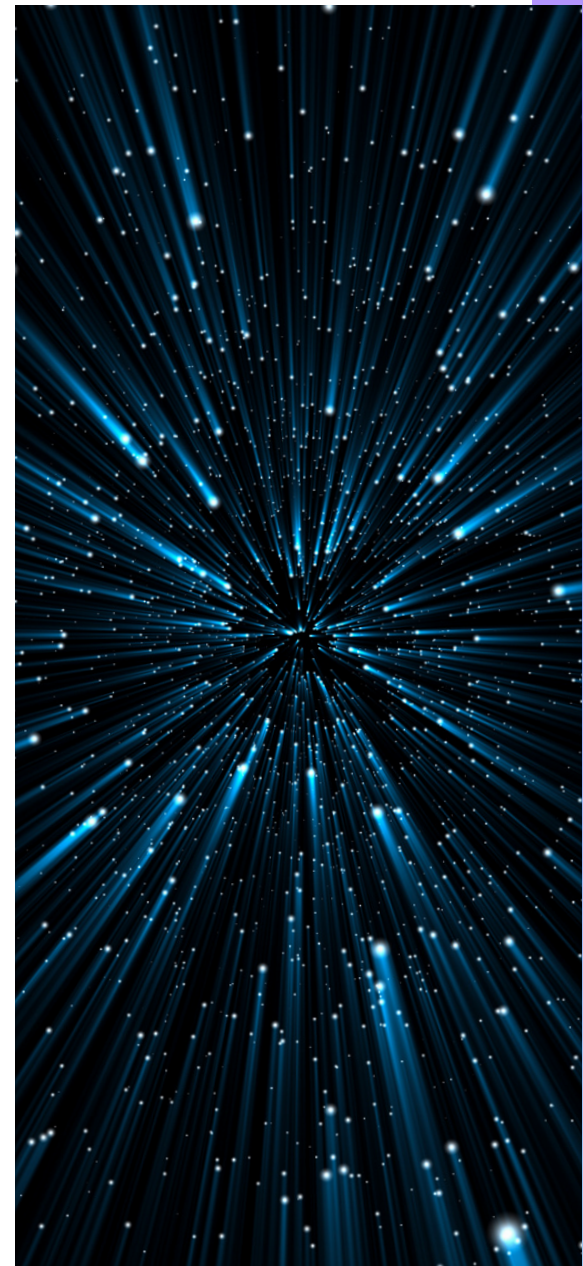
6. Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and consequent responsibilities relevant to professional engineering practice. **[The Engineer and Society]**

7. Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development. **[Environment and sustainability]**

8. Apply ethical principles and commit to professional ethics and responsibilities through the norms of professional engineering practice. **[Ethics]**

9. Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings. **[Individual and Team Work]**

10. Communicate effectively with the engineering community and the society at large by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. **[Communication]**



11. Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member or leader in a team, to manage projects in multidisciplinary environment. **[Project Management and Finance]**

12. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in broadest context of technological change. **[Life-long Learning]**

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PLACED STUDENTS OF 2019-2023



ABISHEK M
Aspire, Aptean



ARUN PANDIYAN R
Abserve tech



BALA GANESH V
White Collar Networks



BABUSANKAR S
Chella Software



BATHRI NATH V
Solartis



DIVYA DHARSHINI R
Concentrix



DHARSINI V
Great Innovous,
Concentrix, Jilaba



GANESH KUMAR S
Q spiders



EDWIN FRANCIS C
Aspire



HARISHKUMAR M
Concentrix



GOKUL VIGNEESH S
Concentrix,
Abservetech



GEETHA S
Aspire



JAAFFER ZARIEEF A
Crystel Delta



JANANI M
Concentrix, Vinsup



LIVINKA S
Renault Nissan



LATIFA BANU A
Concentrix,
Vinsup , Rinex

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KAMALAMBIKA K
Abservetech



KARTHIKA B
Renault Nissan



KAVITHA P
Concentrix ,Vinsup



MENAGA S
Renault Nissan



MANIKANDAN R K
TCS



MITHUN RAJ S
TCS



MOHAMED KAZHALI K
Concentrix



MOHAMED AATHIL O M
Renault Nissan



NITHYA JAYASHRI P
Cognizant



NIYAZKHAN Z
Cognizant, Solartis



NIVAS V R
TCS



PRAVEEN C
Renault Nissan



RAM KUMAR Y
JILABA,
CONCENTRIX



RAM KUMAR M
ONE YES INFO
SOLUTIONS



SAMYUKTHA P
RENAULT NISSAN



PREMA A
Aspire

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SRI HARI V
Solartis



SUBIKSHA T S
Concentrix, Vinsup



SUDHANKARTHICK K
Renault Nissan



SUDHARSAN G
Renault Nissan



SUTHEESH KUMAR P
Concentrix



SWETHA P
Renault Nissan



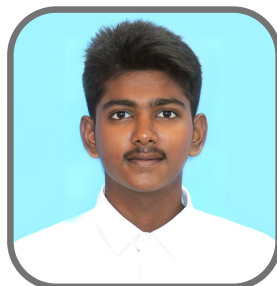
THILAK S
Renault Nissan



VELMANI B
Aspire



KARTHICBABU K G
Concentrix,
Abservetech



PREMKUMAR S
Centizen



ANANTHA KUMAR S
SL Lumax



RAGURAM S
SL Lumax

GUEST LECTURES ORGANIZED



Session a guest lecture on "Learn Start-up and Minimum Viable Product/Business" for Third Year students on 06.09.2022 between 11.00 am to 01.00 pm at Smart Class Room. Guest Lecture delivered by our Alumni Mr. Jobin Christon Raj.V (Batch: 2016 – 2020), Proprietor, Sofseed Technologies, Madurai.

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Guest Lecture on "Opportunities and Exposures in It Industries " for Third Year students on 03.08.2022 between 02.30 pm to 04.00 pm at Software Freedom Lab. Guest Lecture delivered by our Alumni Ms.R.Swarnalatha (Batch: 2015 – 2019), Associate Consultant, Infosys.

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Department of Information Technology and Institute Innovation Council session on "Successful Start-ups in India" for Second & Third Year students on 28.02.2023 between 11.00 am to 01.00 pm at Smart Class Room. Guest Lecture delivered by Mr.Nishanth A K, Director Operations, Securitaz Technologies.

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Guest Lecture on Information Security and Cloud Computing event was conducted on 24.01.2023.

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WOMEN CENTRIC PROJECT CONTEST



Idea level project contest under the theme Women Centric challenges was conducted on 06.03.2023.

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WOMEN'S SDG HACKATHON



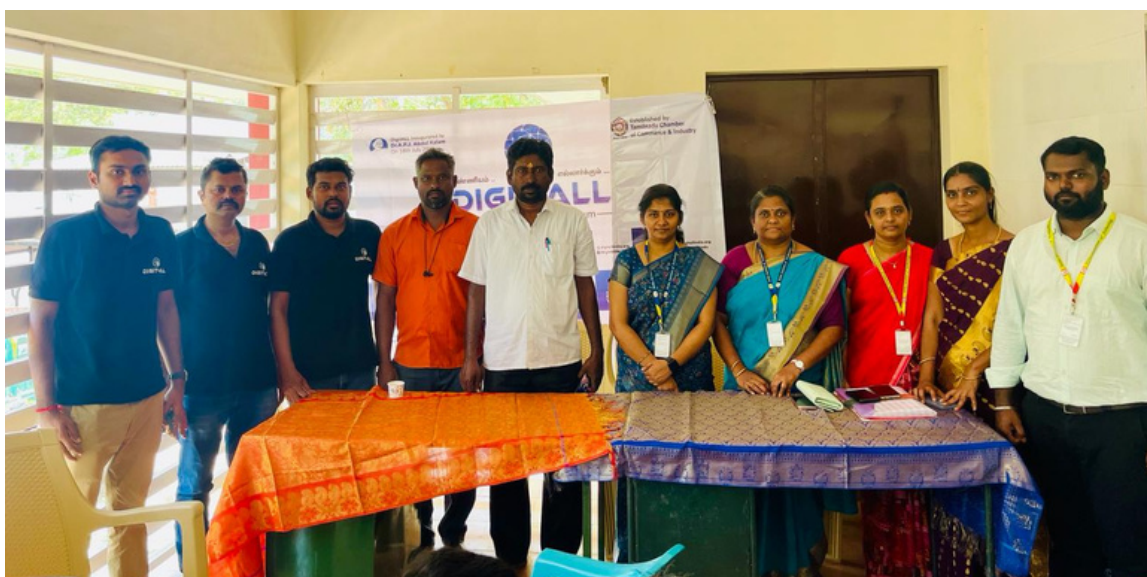
Women's Hackathon on SDG goals jointly organised with start-up tamilnadu

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EXTENSION ACTIVITY

Skill Development Training

Aviyur village



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Skill Development Program for Rural People Kallupatti village



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MEMORANDUM OF UNDERSTANDING



MOU with DigitAll

Sethu Institute of Technology received award for the college that supports skill development programs for the rural people in association with Digitall on 14.10.2023 continuously by the Department of Information Technology

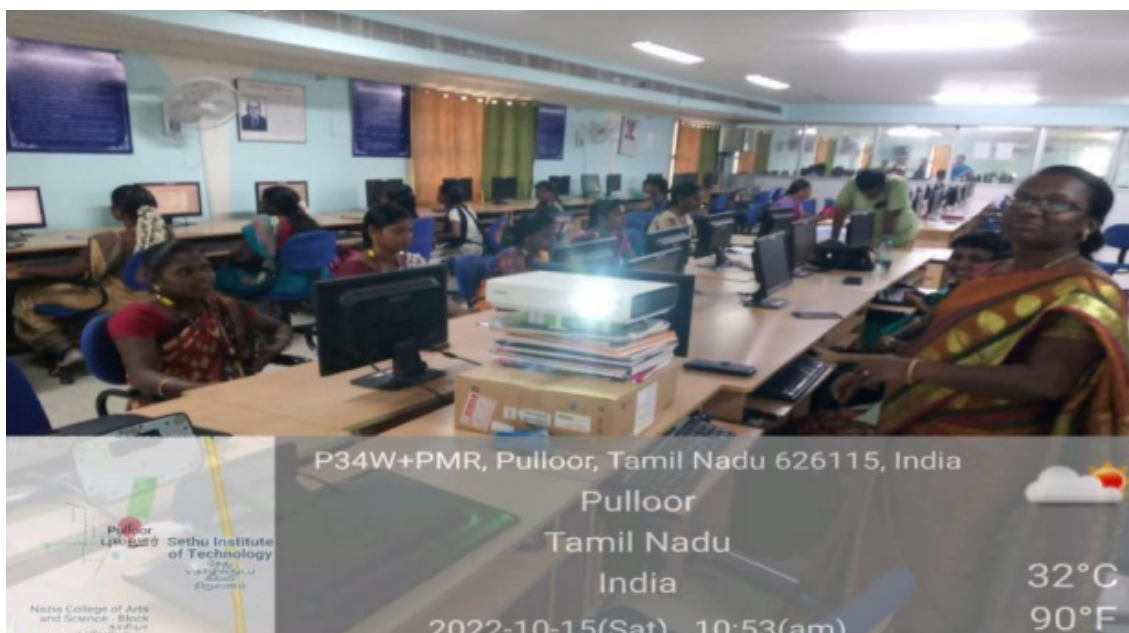
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FACULTY DEVELOPMENT PROGRAM

Title: FDP on Research Proposals



FACULTY DEVELOPMENT PROGRAM FOR NON-TEACHING FACULTY



The Hands-On Training on “MS-Word & MS-Excel” on 15th October 2022 from 10.00 AM to 04.00 PM for Non- Teaching Staff.

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EXTERNAL MOCK INTERVIEWS



Mock Interview conducted 10th October 2022

RECOGNITION IN REPUTED MAGAZINES AND NEWSPAPERS

Pasumai Vikatan

பசுமை விகடன்
மன்னின் வளமே மக்கள் வளம்
25.6.2023 இதழில்

க்யூ.ஆர்.கோடு, செல்போன் செயலி, ஜி.பி.எஸ்... குப்பை மேலாண்மை சிறப்பாக நடைபெற நவீன யுக்தி... கலக்கத்து கல்லூரிமீன் கண்காட்சிப்பு!

PasumaiVikatan.com | YouTube: youtube.com/PasumaiVikatanChannel | Follow us: @PasumaiVikatan

க்யூ.ஆர்.கோடு, செல்போன் செயலி, ஜி.பி.எஸ்... குப்பை மேலாண்மை சிறப்பாக நடைபெற நவீன யுக்தி... கலக்கத்து கல்லூரிமீன் கண்காட்சிப்பு!

நகர்ப்புறங்களில் அன்றாடம் வீழ்ந்தோரும் குவியும் குப்பைகளால், கசாதார சீர்கேடுகள் ஏற்படுவது வாடிக்கையாகி விட்டது. உள்நாட்டி அமைப்புகள் மற்றும் பொதுமக்களின் அடைவியமைய செயல்பாடுகள் இத்தகு முக்கிய காரணம். வீடுகள் மற்றும் வணிக நிறுவனங்களில் தினசரி வெளிநேறப்படும் குப்பைகளை... மட்டும் பொருள்கள், மட்காத பொருள்கள் எனப் பொதுமக்கள் தரம் பிரித்துத் தர வேண்டும். அவற்றைத் தரம் வார்ப்பு பணியாளர்கள் முறையாகக் கையாள் வேண்டும். கத்திரிப்பு மையங்களுக்கு அவை விலையாகக் கொண்டு செல்லப்பட்டு, தொய்வல்லாமல் மறுமுறி செயல்பட வேண்டும்... இப்படியாகப் பெருமபலான நகரங்களில் திடக்கழிவு மேலாண்மை திட்டம் நடைமுறையில் இயங்கும்.

இத்தகுநிதது அறிந்தகொள்ள, விடுதலர் மையம், காரியபாட்டியில் உள்ள 'சேது இன்ஜினியரிங் கல்லூரி'யில் இத்தகு கழிவு மேலாண்மை செயல்பாடு செயல்படுத்தப்படுகிறது. இதில் உள்ள உள்நாட்டி நனை வசதிகள் கடைபிடிக்கப்படுவதோடு, தங்களுடைய உடமைகளைச் செல்வபே செய்வோர்களுக்குப் பரிசுக்கும் வழங்கி வகைப்படுத்தி வழங்குகள்.

இத்தகுநிதது அறிந்தகொள்ள, விடுதலர் மையம், காரியபாட்டியில் உள்ள 'சேது இன்ஜினியரிங் கல்லூரி'க்குச் செல்வோர் குப்பை மேலாண்மைக்கான யுக்திமீன் திட்டம் குறித்து தயக்கம் செய்யாதீர்கள்.

புகை விடல்
25-6-2023

க்யூ.ஆர்.கோடு ஒட்டுவது

தொழில்நுட்பத்துறைத் தலைவர் சிவகுமார், "நீண்டகாலமாகத் தீர்க்க முடியாமல் உள்ள சமூக நலன் சார்ந்த ஏதேனும் ஒரு பிரச்சனைக்கு யுக்திமீன் முறையில் தீர்வு காண வேண்டும் என எங்கள் கல்லூரிமீன் தலைவர் தொழில்நுட்பத்துறை பேராசிரியர் கஜம் மாணவர்களும் கலத்தாலோசித்தோம். அப்போது உருவாகுதான் யுக்திமீன் முறையில் குப்பை மேலாண்மை திட்டம். இது தொடர்பாக, கசாதார ஆய்வாளர்களிடம் பெரி குப்பை மேலாண்மைமீன் எனவேனும் குறியாகுகள், இடப்பாடுகள் உள்ள என விவாதித்தோம். மட்டும் கையாடிக் கழிவுகள், காடுகள், அடம்பெட்டிகள் உள்ளிட்ட மட்டும் குப்பைகளையும், பாதித்தினை வளம், உடைந்த மீனாண்டிக் பொருள்கள் உள்ளிட்ட மட்காத குப்பை களையும் ஒன்றாகச் சேர்த்துக் கொண்டு செயல்படுத்தும் வாய்ப்பைப் போடுகிறார்கள். இதைத் தரம் பிரித்துத் தர வேண்டும் என்ற கோரியோம். இடப்பாடுகள் இல்லாததால் ஆய்வாளர் குப்பைமீன் குறித்து விடத்து, கசாதார சீர்கேடுகள் ஏற்படுவதாகத் தெரிவித்தார்கள். மேலும், குப்பைகளை அகற்றுவது தொடர்பும், அதை மறுமுறி செய்வது வரையிலும், உள்நாட்டி அமைப்புகளின் அதிகாரிகள் மற்றும் தொழிலாளர்களிடம் காணப்படும் அவதூறியும் தீர்வாகச் சீர்கேடுகளை இத்தப் பிரச்சனைக்கு ஒரு முக்கியக் காரணம் எனத் தெரிவித்தார்கள்.

இது தொடர்பாக, எங்கள் கல்லூரிப் பேராசிரியர்களும் மாணவர்களும் சேர்த்து, சேது இன்ஜினியரிங் கல்லூரிமீன் மையம், காரியபாட்டியில் உள்ள 'சேது இன்ஜினியரிங் கல்லூரி'யில் இத்தகு கழிவு மேலாண்மை செயல்படுத்தப்படுகிறது. இதில் உள்ள உள்நாட்டி நனை வசதிகள் கடைபிடிக்கப்படுவதோடு, தங்களுடைய உடமைகளைச் செல்வபே செய்வோர்களுக்குப் பரிசுக்கும் வழங்கி வகைப்படுத்தி வழங்குகள்.

அவ்வாறு தொகுத்து வெளி, பேராசிரியர் பரமேஸ்வரி, "இத்த செயலிக்கு, அரசின் அங்கீகாரம் பெறுவதற்கான முயற்சிகள்

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க்யூ.ஆர்.கோடு ஒட்டுவது

ஒருவாரம் தொடர்ந்த இத்தப் பணிமீன், அனைவரும் வெகு சீக்கிரத்தில் விஷயம் களைக் கற்றுக்கொண்டனர்.

கசாதாரப் பணியாளர்கள் செயலியை எளிதில் புரிந்துகொண்டு பயன்படுத்தும் அளவுக்குத் தமீர், ஆர்வமும் என இருமொழிகளிலும் செயலி வழங்கப்பட்டுள்ளது. படித்துப் பயன்படுத்த முடியாத கசாதாரப் பணியாளர்கள், எளிதில் புரிந்துகொள்வதற்கு ஏதுவாக வண்ணங்கள் அடிப்படையில் செயலியைப் பயன்படுத்தவதற்கும் வழிவகைச் செயல்பட்டுள்ளது.

ஒரு மாதத்தில், எத்தெத் விட்டும் உரிமையாளர்கள், குப்பைகளைச் சிறப்பாகப் பிரித்துக் கொடுத்தார்களோ, அதை மதிப்பெனக் அடிப்படையில் களைகிட்டு, தகராடரி நிர்வாகத்தின் மூலம் பரிசு வழங்கினோம். சிறப்பாகச் செயல்பட்ட தயக்கம் பணியாளர்களையும் கௌரவப் படுத்தினோம்.

கோடுணை முறையில் தங்கள் செயல்படுத்திய இத்த யுக்திமீன் திட்டம், திருவல்லம் கசாடரி நிர்வாகத்துறைக்குத் திடுபி அளித்தோம், அத்த தகராடரிக்கு உட்பட்ட அனைத்துவார்டுகளிலும் இதைச் செயல்படுத்த திட்டம் மீட்டிடுகோடுள்ளனர். அடுத்தகட்டமாக, மதுரை மாநகராட்சி மீளும் இத்த செயலியை செயல்படுத்தி வந்தகால ஆயத்தப் பணிகள் தற்போது தொடங்கப்பட்டுள்ளன எனத் தெரிவித்தார்.

அவ்வாறு தொகுத்து வெளி, பேராசிரியர் பரமேஸ்வரி, "இத்த செயலிக்கு, அரசின் அங்கீகாரம் பெறுவதற்கான முயற்சிகள்

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THE TIMES OF INDIA, TRICHY / MADURAI
TUESDAY, MARCH 7, 2023

TIMES

Now, app helps you earn a gift for waste segregation

Students Design App For Sanitation Workers

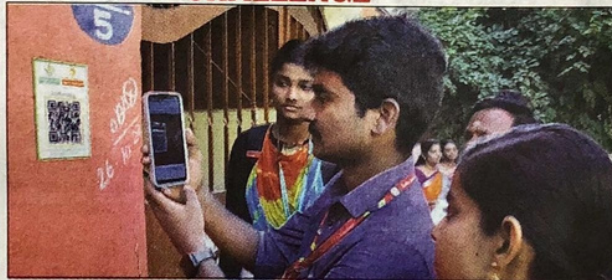
vivanesh.parthiban
@timesgroup.com

Madurai: Students of Sethu Institute of Technology have designed an application called 'W-credit (waste to wealth)' for sanitation workers, using which the workers can award points to residents for waste segregation at source by scanning QR codes put up on the wall of every house.

In association with NGO Nallor Vattam and help of health committee chairman of Madurai corporation council D Jeyaraj, the civic body will be implementing this as a pilot project in 500 houses of Krishnapuram Colony of ward 16.

In the last two days, the students have put up QR code stickers at 150 houses on six streets. They have also trained the sanitation workers on using the application. Jeyaraj said the top three residents who get most points in

EVERYDAY CHALLENGE



WASTE TO WEALTH: Students of Sethu Institute of technology scan QR codes in Krishnapuram Colony of Ward 16 in Madurai

Pics: S Lenin

the next one month will be receive à sari each as gift. If a resident does not segregate the waste, he will be awarded one point. For partial segregation, a resident will get three points and for perfect segregation, five points. If the door is locked, a resident will not get any points.

In January 2022, the students had implemented the project at 150 houses of Thirumangalam municipality. The app was developed by the students with the help of faculty S Siva Ranjani, C Parameswari and S Rathnamala. It bagged first prize of the ministry of housing and urban affairs in the software

edition of hackathon held in Jaipur in August 2022.

Parameswari said, "After studying solid waste management of the city in 2019, we decided to develop a web-based application for waste segregation. Around 600 tonnes of unsegregated waste is being sent to Vellaikal dumping yard every day, and it is a tiring process to segregate it."

Siva Ranjani said, "The application can track the movement of sanitary workers, their attendance and, at the user's end, the number of points earned."

M Abhishek, one of the students who is part of the

project, said, "Initially, the residents were hostile to allow us to put up a sticker on their wall. Eventually, they understood the cause of the project and supported us."

Jeyaraj said that during the second phase, they are planning to try out the app at 500 houses in Indira Nagar Colony, adjacent to Krishnapuram Colony. "Within this week, we have planned to organise a meeting for the students with the corporation commissioner and the city health officer. If the application reaps success, it can be implemented in other wards of the corporation," he added.

► Waste generated in Madurai corpn | **750 tonnes**

► Solid waste sent to 35 micro composting centres | **140 tonnes**

► Total solid waste sent to Vellaikal yard | **650 tonnes**

► Total organic waste generated in corporation | **320 tonnes**

Students of Sethu Institute of Technology have designed an application called 'W - credit (waste to wealth)' for sanitation workers, using which the workers can award points to residents for waste segregation at source by scanning QR codes put up on the wall of every house.

SETHU TIMES

TAMIL SANGAMAM PROGRAM ON 03.04.23



SETHU TIMES



INTER COLLEGE SYMPOSIUM ON 24.02.24



SETHU TIMES

INTER COLLEGE SYMPOSIUM ON 24.02.24



தினகர்

3/4



மாணவர்களுக்கு பரிசு



► சேது பொறியியல் கல்லூரியில் தகவல் தொழில்நுட்ப துறை சார்பில் நடந்த கருத்தரங்கில் தொழில்நுட்பம் மற்றும் தொழில்நுட்பம் -அற்ற போட்டிகளில் வெற்றி பெற்ற மாணவர்களுக்கு சிறப்பு விருந்தினர் டிஸைட் இந்தியா சைபர் செக்யூரிட்டி நிறுவன உதவி மேலாளர் குரு பிரகாஷ் சான்றிதழ்கள் மற்றும் பரிசுகளை வழங்கினார்.

SETHU TIMES



PONGAL CELEBRATION'S ON 13.01.23



SETHU TIMES

AWARDS AND ACHIEVEMENTS OF FACULTY



**Onion Grand Challenge-2023(Stage-1)
from Department of Consumer Affairs
with Rs.75,000 Cash Price**



**Award Received from
Digit All Sangamam-2022**

SETHU TIMES



AWARDS AND ACHIEVEMENTS OF FACULTY



Dr.S.Siva Ranjani, Dr.S.Rathnamala, Dr.C.Parameswari ,G.Rajalakshmi recieved Lilavati award by AICTE for literary and lifeskills category on 8.3.22



Dr.S.Siva ranjani, Dr.S.Rathnamala, Dr.C.Parameswari Recieved 2 lakhs cash prize from maharashtra pollution control board for E-waste Hackathon on 29.09.23

SETHU TIMES



AWARDS AND ACHIEVEMENTS OF STUDENTS

Smart India Hackathon-2022

Title: Suggesting a solution to help municipal bodies maximize solid waste collection with their given resources.



Abishek M, Edwin Francis, Velmani, Sunya, Sakthi priya, got First Prize with 1 Lakh Cash award in Smart India Hackathon-2022 on 26.08.2022

SETHU TIMES

PLI Blockathon



Sri Santh.M, Akshath Sachdeva G, Vittal Kumar M got third prize with 1 Lakh cash award in PLI blockathon at Sathayabama University at 23.09.2022

SETHU TIMES

Madurai Hackathon



M.V Karpaga sneha ,M Ishika sachdeva ,M.Mahalakshmi ,M.Divya bharathi got fourth prize with Rs. 8000 cash award in Madurai Hackathon at 14.08.2022

SETHU TIMES

Arambam startup context



G.AkshatSachdeva ,M Ishika sachdeva K.Jeyagurudev
got fourth prize in Arambam the startup context
Hackathon at 09.11.2022

SETHU TIMES

OLYMPIA IDEA PRESENTATION



M.Vittal Kumar got second prize in Olympia Idea Presentation at 14.10.2022

SETHU TIMES

Dev Hack



Sri Santh.M, Akshath Sachdeva.G, Dinesh kumar.R, Jeyagurudev.K got fourth prize with 12,000 rupees cash prize in devhack conducted at Thiyagarajar engineering college madurai in 27.01.2023.

SETHU TIMES

SDG Hackathon



M.Srisanth,R.Dineshkumar, K.Jeyagurudev got fourth prize in SDG Hackathon in PSNA at 30,31 march 2023

P.Lokesh (2nd yr) won Rs.10,000 in Kalaingar Nootrandu Tamil Speech Competition on 09.10.23

P.Lokesh (2nd yr) won Rs.5,000 in Anna University Regional Campus on 12.10.23

SETHU TIMES



Midtown Digital Awards



SETHU TIMES



Mr.Hemnath(Final yr) Won Mr.Tamilnadu sub jr & Mr.virudhunagar mens physique

SETHU TIMES



M.Dinesh Kumar (Final yr) Received Karthi Digital Awards 2022 on 13.02.23 for best gaming youtuber



SPORTS ACHIEVEMENTS



P.K.Vignesh, K.Praveen (2nd yr) Received Anna University Zone on 31.10.23 for Football Championship

SPORTS ACHIEVEMENTS



A.Vijay (2nd yr)
Received District level
CM Trophy on
05.02.23 for Silambam



PUBLICATIONS

Akilandeswari, V., Kumar, A., Thilagamani, S., Subedha, V., Kalpana, V., Kaur, K., & Asenso, E. (2022). Minimum Latency-Secure Key Transmission for Cloud-Based Internet of Vehicles Using Reinforcement Learning. *Computational Intelligence and Neuroscience*, 2022.

Susan Shiny, G., & Muthu Kumar, B. (2022). E2IA-HWSN: Energy Efficient Dual Intelligent Agents based Data Gathering and Emergency Event Delivery in Heterogeneous WSN Enabled IoT. *Wireless Personal Communications*, 122, 379-408.

Inigo, S. A., & Kumar, R. (2022). Real-Time Emotion Recognition System using Facial Expressions and Soft Computing methodologies.

Dr. S. Rathnamala, Dr. C. Parameswari, Sobana R.S, Veera Lakshmi.M, IoT based Smart Farming System, *Journal of IoT in Social, Mobile, Analytics, and Cloud* (ISSN: 2582-1369) Volume 5, Issue 2, Pages 119-127,2023

Mrs S.Rathnamala, Survey on Bleeding Detection in Wireless Capsule Endoscopy "International Conference on Recent Advances in Engineering Technologies"

Dr. C. Parameswari, Dr. S. Rathnamala, Ms. R. Aasifa Banu Ms. V. Vinothini, A Smart Storage System and Non-Invasive Technique for Spoilage Detection, *Journal of IoT in Social, Mobile, Analytics, and Cloud*, June 2023, Volume 5, Issue 2, Pages 128-136, 2023

Rajalakshmi Gurusamy, Dr.G.Susan Shiny, A.Prema, V.Dharsini, A.Latifa Banu, Intelligent Vehicle Damage Assessment and Cost Estimator Insurance, *International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)* ISSN: 0976-1353 Volume 30 Issue 3 – April 2023.

Gurusamy, Rajalakshmi, and Siva Ranjani Seenivasan. "DGSLSTM: Deep Gated Stacked Long Short-Term Memory Neural Network for Traffic Flow Forecasting of Transportation Networks on Big Data Environment." *Big Data* (2022).

J. Rajalakshmi*, S. Siva Ranjani" Optimal and Energy Effective Power Allocation Using Multi-Scale Resource GOA-DC-EM in DAS", *Intelligent Automation & Soft Computing*, vol. 34, no.2, pp. 1049–1063, 2022.

Dr S.Siva Ranjani, Mrs S.Rathnamala, FERAL AND VITAL HEALTHCARE MONITORING SYSTEM FOR PREGNANT WOMEN USING IoT "International Conference on New Scientific Creations In Engineering & technology (ICNSCET)"



Akilandeswari V, Dr.Sivaranjani , Velmani B , Subiksha INTELLIGENT REMOTE PATIENT MONITORING DEVICE USING MACHINE LEARNING, "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23)"5th and 6th April 2023,PP 63

V.Akilandeswari, S.Thilak , C.Praveen , M.Prasanna Kasi AN INTERACTIVE VR/AR-BASED EDUTECH IMMERSIVE ONLINE LEARNING PLATFORM FOR AUTISM SPECTRUM DISORDER(ASD) CHILDREN "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23), "5th and 6th April 2023,PP 63

V.Akilandeswari , N.Subash, T.Shiva shankaran, V.Vinothini SMART WATCH DOG: SMART INTELLIGENT TRACKING CAMERA, "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23), "5th and 6th April 2023,PP 63

V.Akilandeswari, K.Aruna Sakthi PLANT DISEASE IDENTIFICATION USING DEEP LEARNING, "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23)", 5th and 6th April 2023,PP 63

K.ArunaSakthi V.Akilandeswari STUDENTS SECURITY SYSTEM USING RFID,"Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23), "5th and 6th April 2023,PP 63

Dr.S.Rathnamala,Dr.C.Parameswari,Ms.V.Vinothini,Ms.R.AasifaBanu,"Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23), " 5th and 6th April 2023,PP 63

E.Selvamanju , Sri Hari V, Mohammed Umar Yashik , Harishkumar , CROP PREDICTION AND SOIL ANALYSIS USING GRADIENT BOOSTING FRAMEWORK (LIGHTGBM), "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23), " 5th and 6th April 2023,PP 63

K. Kamalambika ,P. Kavitha , S. Brendha ,Dr.G. Susan Shiny,G. Rajalakshmi, DRIVER SAFETY SYSTEM "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23)," 5th and 6th April 2023,PP 63

Dr.G. Susan Shiny ,Dr.Hyils Sharon Magdalene, Mrs.G.Rajalakshmi, K.Sunya, K.Vannamathi, RAILWAY TRACK OBJECT AND CRACK DETECTION "Proceedings of International Conference on Emerging Trends in Information and Communication Technologies(ETICT 2K23)," 5th and 6th April 2023,PP 63

SETHU TIMES



Dr.G.Susan Shiny,Mrs.G.Rajalakshmi,,
Dr.A.Hyils Sharon Magdalene, M.Ishika
Sachdeva, M.V.Karpaga Sneha, ,M.Muthu
Nivetha, SMART JACKET FOR BIKE RIDER'S
SAFETY "Proceedings of International
Conference on Emerging Trends in
Information and Communication
Technologies(ETICT 2K23), "5th and 6th
April 2023,PP 63

Ms.Swapna, N.Sakthipriya, S.Nithya Sri,
J.Janet Reni, SMART INVIGILATOR,
"Proceedings of International Conference on
Emerging Trends in Information and
Communication Technologies(ETICT 2K23),
"5th and 6th April 2023,PP 63

Dr. A .Hyils sharon magdalene, Dr.G . Susan
Shiny, Mrs. G. Rajalakshmi, R K Manikandan,
O M Mohamed aadhil, M Faisal nisath,
VOICE CONTROLLED SMART WHEELCHAIR
WITH AUTOMATICMEDICINE DISPENSER
"Proceedings of International Conference on
Emerging Trends in Information and
Communication Technologies(ETICT 2K23),
"5th and 6th April 2023,PP 63

Swapna P, ENHANCED DATA SECURITY
USING COLORS AND ARMSTRONG
NUMBERS, "Proceedings of International
Conference on Emerging Trends in
Information and Communication
Technologies(ETICT 2K23), "5th and 6th
April 2023,PP 63

Mr.G.Sivakumar, Dr.C.Parameswari, V.Bathri
Nath, S.Ganesh Kumar, S.Gokul Vigneesh,
Plant Leaf Disease Identification using Deep
Learning Technique, "Proceedings of
International Conference on Emerging
Trends in Information and Communication
Technologies(ETICT 2K23), "5th and 6th
April 2023,PP 63

Dr.A.Hyils Sharon Magdlene Dr.G.Susan
Shiny.G.Rajalakashmi, , J.Naveen,
M.Umapathy, IOT BASED (SOS) WOMEN
SAFETY "Proceedings of International
Conference on Emerging Trends in
Information and Communication
Technologies(ETICT 2K23), "5th and 6th April
2023,PP 63

K. Mohamed kazhali , O. Narendraprasath , P.
Swetha , Dr.G. Susan Shiny ,Dr.Hyils Sharon
Magdalene,AUTONOMOUS VACCUM
CLEANING ROBOT "Proceedings of
International Conference on Emerging Trends
in Information and Communication
Technologies(ETICT 2K23), "5th and 6th April
2023,PP 63

Sobana R.S, Dr S.Rathnamala, Dr
C.Parameswari, Veera Lakshmi.M, IOT BASED
SMART FARMING SYSTEM "Proceedings of
International Conference on Emerging Trends
in Information and Communication
Technologies(ETICT 2K23), "5th and 6th April
2023,PP 63

Rajalakshmi,Siva Ranjani, Development of
10GHz Asymmetrical feed patch Antenna for
IoT Application AICTE Sponsored
International Conference on Modern Research
and Computations in Electrical Technology

R&D ACTIVITIES

Received 12.75 lakhs from MSME Idea Hackathon 1.0 for the project “Smart Assistive Robot for Hearing Impaired Children” by Dr.V.Akilandeswari

Received 12.75 lakhs from MSME Idea Hackathon 2.0 for the project “AREdutech Interactive Robo for Autism Spectrum Disorder Children” by Dr.V.Akilandeswari

Received 5 lakhs from Ministry of Consumer Affairs for the project “Automated Grading Machine (Stage 2)” by Dr.V.Akilandeswari & Dr.M.Poomani@Punitha

Received Rs.75,000 from Ministry of Consumer Affairs for the project “Hyperspectral-supported Remote Sensing Device for Precision Agriculture Tomato Cultivation” by Dr.V.Akilandeswari

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