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DEPARTMENT OF
SCIENCE & TECHNOLOGY



GITAM
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G-TEC

DST - GITAM TECHNOLOGY ENABLING CENTRE

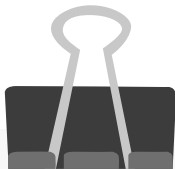
GITAM DEEMED TO BE UNIVERSITY

Technology Enabling Centre

Funded by the Department of Science & Technology,
Technology Development and Transfer Division

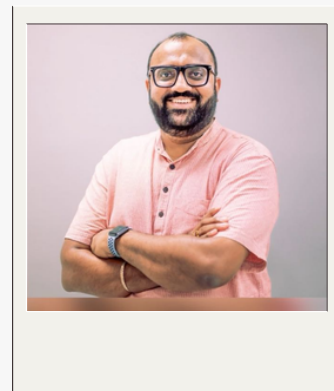
NEWSLETTER Volume 2 September 2024





Dear Readers,

I am pleased to present the second edition of the GITAM Technology Enabling Centre (G-TEC) Newsletter. As the Coordinator of G-TEC, I have personally experienced our progress in fostering innovation, collaboration, and technological advancements within our community. This newsletter is a testament to the dedication and hard work of our team, our partners, and all the brilliant minds we have had the privilege to work with.



At G-TEC, we aim to bridge the gap between academia and industry, creating a vibrant ecosystem where ideas can flourish and solutions to real-world challenges can be developed. Over the past year, we have identified key focus areas through extensive research and collaboration with academic institutions and industry leaders.

In this edition, you will find insights into the significant initiatives and events we have undertaken, including our recent roundtable on the food sector and health tech, which highlighted pressing challenges and innovative solutions in the respective sectors. We are also excited to host monthly roundtable discussions with stakeholders from various sectors to foster dialogue and generate innovative ideas.

I would like to extend my heartfelt thanks to Dr Krishna Kanth Pulicherla, Scientist, TEC Program Coordinator, Department of Science and Technology, Gol; Prof. K. Sankaran, Director, Centre for Biotechnology, Anna University, Chennai; and all the other Program Advisory Group (PAG) members, stakeholders, and the entire G-TEC team for their relentless pursuit of excellence and innovation. Your support and collaboration are the cornerstones of our success. We are building a future where technology and innovation drive sustainable development and economic growth.

Thank you for your continued interest and support for G-TEC. I hope you find this newsletter informative and inspiring.

Best Regards,
Prof. Raja P Pappu
Coordinator
DST GITAM Technology Enabling Center

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SECOND PROGRAM ADVISORY GROUP MEETING

We are delighted to share the highlights from the recent 2nd Program Advisory Group (PAG) meeting held on May 23, 2024, at GITAM Deemed to be University, Visakhapatnam. This significant event showcased the outstanding accomplishments of the DST-GITAM Technology Enabling Centre (DST-GTEC) and charted the future roadmap for technological advancements and opportunities. Prof. Raja P Pappu (DST G-TEC Coordinator & Dean of GSB), presented the impressive achievements and progress of GTEC. The session was addressed by Dayananda Siddavattam, Vice-Chancellor of GITAM Deemed to be University, and featured valuable insights from esteemed members.

Distinguished Attendees Included: Dr. Krishnakanth Pulicherla, Scientist, New Delhi; Dr. K Sankaran, Director, Centre for Biotechnology, Anna University; Dr. Meenakshi Singh, Chief Scientist, CSIR, New Delhi; Prof. Krishnashree Achuthan, TEC Coordinator, Amrita University, Kerala; Shri A. Krishna Balaji Garu, President, Laghu Udyog Bharati; Prof. Shankar Saripalle, Director, Centre for Innovation & Incubation, Gayatri Vidya Parishad College of Engineering, Visakhapatnam; Dr. Lalhmingliana Renthlei, Co-Coordinator, TEC, Mizoram University; Dr. Suraj Sharma, Guru Ghasidas Vishwavidyalaya Central University, Bilaspur, Chhattisgarh; Prof. Raja P Pappu, Dean of GITAM School of Business and Coordinator of GTEC; Dr. Satyanarayana V. Nandury Director, Research and Development Cell (RDC), GITAM; Dr. Visawanadha Chaitanya, Professors, GITAM School of Science; Mr. SomBhatt Ayyala Sastry, COO GTEC, Deputy Director, Industry Relations; Dr. Chandra Mouli KVVNR, Manager, GTEC; Alekhyia Maram, Assistant Manager, GTEC; Meghana Kallepalli, Jr. Officer, GTEC.



The PAG meeting celebrated GTEC's milestones and explored innovative solutions for the future. The committee members praised GTEC's achievements and provided valuable suggestions and scientific advice for future endeavours. All members' collaborative spirit and insightful contributions pave the way for transformative developments in technology and society. The session concluded with a Vote of thanks by Prof. K V Chaitanya, GITAM School of Sciences. We extend our heartfelt thanks to all the esteemed speakers and attendees for their invaluable support and engagement. Together, we are driving innovation and excellence at GITAM!



TECHNOLOGIES MINED

Smart Digit-sucking monitoring device



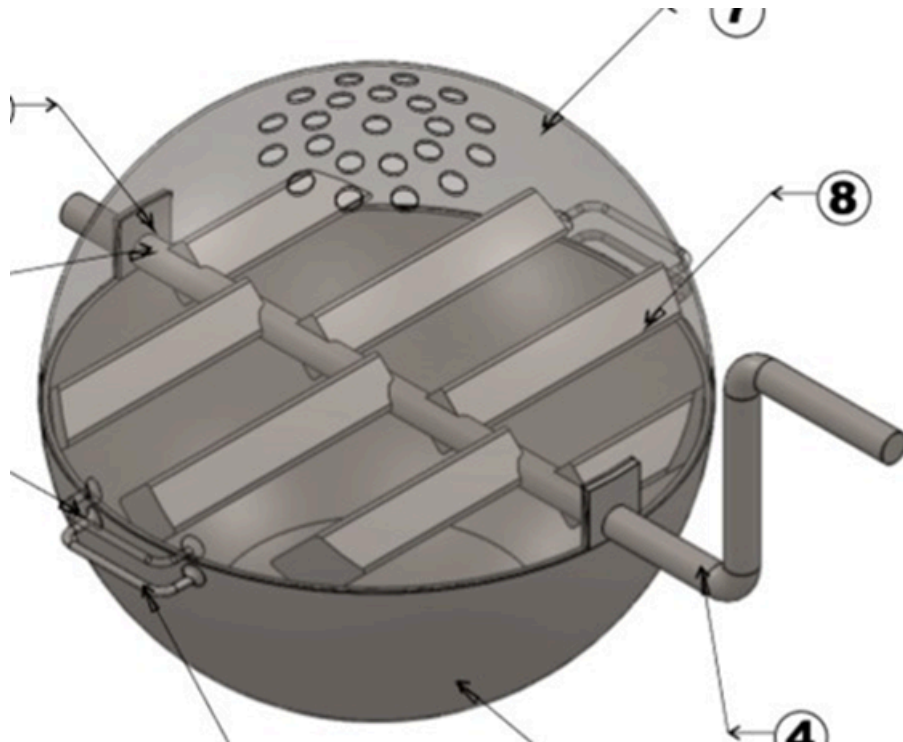
TRL Level: 06

Digit-sucking is often seen as an adaptive behaviour in young children, serving as a means of self-soothing and providing stimulation. This non-nutritive sucking habit is common during early childhood, and most children naturally outgrow it between the ages of 2 and 4. However, if digit-sucking continues beyond this period, it can lead to negative outcomes such as nail deformities or paronychia. Moreover, if the habit persists during the eruption of permanent teeth, it may result in malocclusion.

Applications:

- i. The device accurately tracks the amount of time a child spends sucking their thumb, providing valuable data for assessing the severity of the habit.
- ii. By capturing precise information on thumb-sucking habits, the device aids doctors in identifying the underlying issues and tailoring treatment plans to address them effectively.
- iii. The device records both the duration and frequency of thumb-sucking, allowing for continuous monitoring of the child's progress over time.
- iv. The collected data is saved in the MIT app, enabling long-term analysis and easy access for healthcare providers.

Hemispherical Frying Device



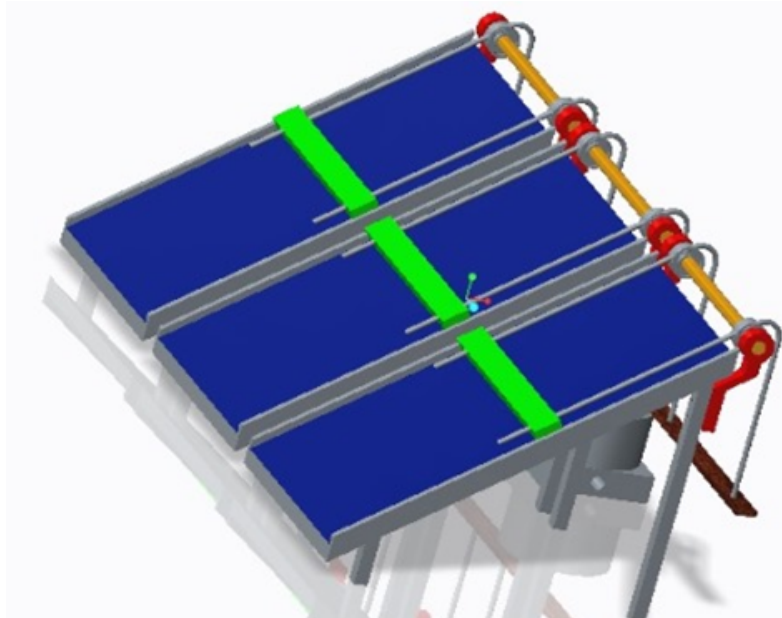
TRL Level: 05

The invention presents a simple, effective device for frying powdery substances, minimizing difficulties and hazards. It features an upper hemispherical frying pan and a top cover, with a rotating shaft and blade tips designed to match the pan's curvature geometry.

Applications:

- i. The device is specifically designed for frying powdery substances, making the process smoother and more efficient.
- ii. The clamped design and enclosed frying mechanism reduce the chances of accidents and hazards during the frying process.
- iii. The precisely designed blade tips ensure uniform contact with the pan's surface, resulting in even mixing and frying of the foodstuff.
- iv. The device can be used for various powdery substances, making it a versatile tool in both household and industrial kitchens.
- v. The simple design of the device allows for easy operation, even by those with minimal cooking experience.
- vi. The blade tip geometry can be customized according to the specific curvature of different frying pans, enhancing its adaptability and effectiveness.

A Solar Photovoltaic Panel Cleaning Apparatus



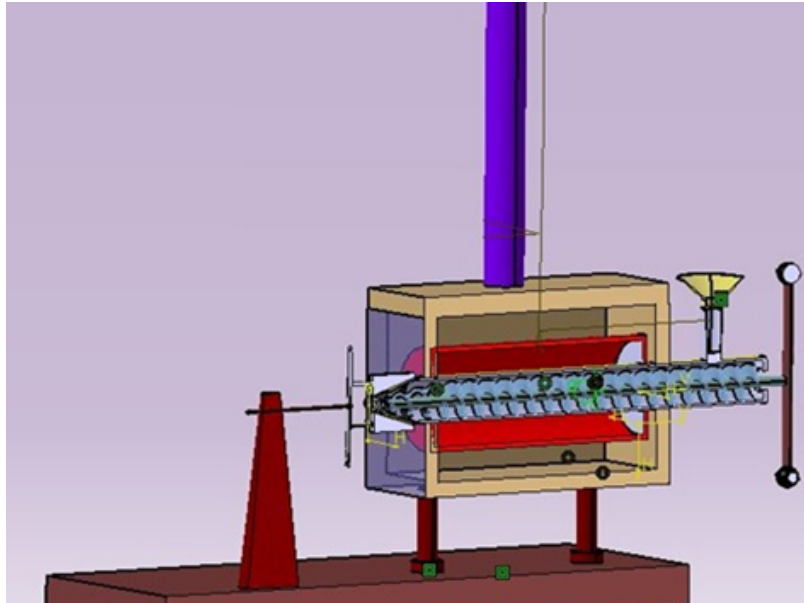
TRL Level: 04

The Solar Photovoltaic Panel Cleaning Apparatus is a cost-effective and efficient method for cleaning solar panels, using water buoyancy to facilitate brush movement and recirculating water for efficient resource usage, reducing manpower and water usage.

Applications:

- i .By using minimal electricity and relying on water buoyancy for brush movement, the device offers a low-cost solution for maintaining solar panel performance.
- ii. The system recirculates water between the collection and supply tanks, significantly reducing water consumption during the cleaning process.
- iii. The manual operation of the valve system allows for easy control of the cleaning process, minimizing the need for manpower.
- iv. The apparatus enables frequent cleaning of SPV panels, multiple times a day, if necessary, to prevent dirt buildup and maintain optimal energy output.
- v. The device can be adapted for various sizes of SPV installations, making it suitable for both residential and commercial solar panel systems.

A Lac processing device



TRL Level: 04

The disclosure introduces a lac processing device that efficiently melts and extracts lac from lac granules with minimal effort, either manually or automatically. It includes a heating furnace, liquid chamber, processing chamber, plunger, and scraping unit, ensuring user safety.

Applications:

- i The device ensures even heating of lac seeds, which contributes to consistent and high-quality lac extraction.
- ii. The design of the device minimizes exposure to potential hazards, such as burns, eye injuries, and respiratory issues, ensuring safer operation for users.
- iii. The device can operate in both semi-automatic and fully automatic modes, offering flexibility depending on user needs and resources.
- iv. The lac processing device does not require advanced control systems or programming, making it easy to operate and maintain, even for users with limited technical expertise.

Metal-ion substituted hydroxyapatite adsorbent for the removal of fluoride-ions from water

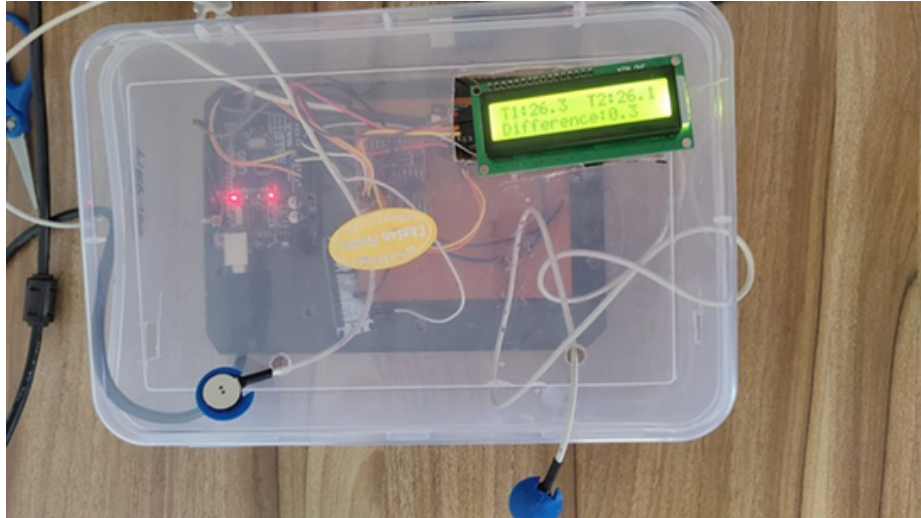
TRL Level: -07

A metal-ion substituted hydroxyapatite adsorbent with a 588 mg/g adsorption capacity has been developed for efficient fluoride ion removal from water, surpassing the performance of most active alumina adsorbents.

Applications:

- ii. The adsorbent is specifically designed to target and remove high concentrations of fluoride ions from water, making it highly effective in water purification processes.
- ii. With an adsorption capacity of 588 mg/g, the material offers superior efficiency, requiring less material to achieve desired purification levels compared to traditional adsorbents.
- iii. The adsorbent outperforms existing materials like alumina, making it a valuable tool in advanced water treatment facilities where high fluoride concentrations are a concern.
- iv. The material's ability to handle fluoride concentrations up to 2000 ppm allows it to be used in a wide range of applications, from residential water filters to industrial-scale water treatment systems.
- v. By effectively reducing fluoride levels in water, the adsorbent contributes to safer drinking water and helps mitigate the environmental impact of fluoride pollution.
- vi. Beyond fluoride removal, the principles behind this adsorbent could be adapted for the removal of other contaminants, broadening its potential applications in water purification.

Development of a non-invasive screening tool



TRL Level: 06

This novel laparoscopic apparatus empowers surgeons with greater intraoperative dexterity, potentially revolutionizing minimally invasive procedures.

Applications:

- i. Surgeons can use the apparatus to perform complex surgical procedures with higher precision and control, allowing for more intricate tasks during minimally invasive surgeries.
- ii. The apparatus can improve the performance of procedures minimizing patient discomfort and recovery time.
- iii. Surgeons can utilize the apparatus to enhance the accuracy and efficiency of the procedures.
- iv. The device can be adapted for use in pediatric surgeries, making it possible to address congenital abnormalities
- v. The apparatus can also serve as a valuable tool for surgical training and medical research, allowing practitioners to refine their skills and explore new techniques in a controlled environment

IoT-enabled solar-powered public lighting with hidden camera



TRL Level: 07

The IoT-enabled solar-powered public lighting system enhances security and safety in urban and remote areas. It integrates hidden camera surveillance, transmits high-resolution footage securely, and stores it on cloud platforms for real-time monitoring.

Applications:

- i. The solar-powered public lighting fixture with hidden camera surveillance enhances security and safety in both urban and remote areas.
- ii. The eco-friendly fixture securely transmits and stores high-resolution footage on IoT cloud platforms, allowing real-time monitoring and access to live or recorded video streams.
- iii. The innovative smart street light solution enhances personal safety and apartment security in urban environments, integrating with emergency alert systems and safety applications.

Sectoral Round Table Conference on Food Industry



DST GITAM Technology Enabling Centre (G-TEC) hosted an industrial meet focusing on the food sector, which was attended by industry leaders, academic figures, and research scientists, including Dr K. Sankaran, Dr Krishna Kanth, and Dr Meenakshi Singh. These experts shared valuable insights throughout the event.

The meeting commenced with a presentation on food technologies by Dr. U. Sreedhar, Principal Scientist at CIFT. Following this, Dr. Yogeswara Rao D and I initiated the round table meeting and facilitated the discussion.

During the round table, industry leaders highlighted challenges related to food laboratories, seafood exports, public awareness, and dependency on foreign markets. Dr. Balkumar Marthi, Dean of the Centre for Health & Wellness at GITAM, took note of these issues and committed to collaborating with G-TEC to address them.

The event concluded with a vote of thanks from Dr. Raja P. Pappu of DST G-TEC.

Sectoral Round Table Conference on the Health Tech Industry



The DST GITAM Technology Enabling Centre (G-TEC), organized a Health Technology Industry Meet. This event gathered industry leaders and academic experts to share insights on the latest advancements in health technology. Dr. Raja P. Pappu inaugurated the event with a warm welcome. Attendees had the chance to explore innovative health tech solutions.

Dr. Yogeswara Rao facilitated a round table discussion between industry and academia, emphasizing the collaborative efforts between GITAM Deemed University and AMTZ. He emphasized the significant potential of this partnership to drive innovation and progress in the health technology sector by integrating GITAM's academic expertise with AMTZ's advanced medical technology infrastructure, the collaboration aims to foster cutting-edge research and develop impactful healthcare solutions.

GITAM-TEC 3D Printing Workshop for NTPC



GITAM Technology Enabling Centre conducted a one-day workshop on 3D Printing for NTPC at VDC, GITAM Deemed to be University, Visakhapatnam. The workshop, led by Mr. Raja Kumar Bollem, Principal Venture Coach, covered the fundamentals of 3D Printing and Laser Cutting, along with an engaging hands-on session.



Participants worked with PLA material to create O-rings, providing them with practical experience and insight into the capabilities and potential applications of 3D Printing in their industries. This workshop demonstrated G-TEC's commitment to innovation and technology advancement through knowledge sharing, skill development, and practical learning in 3D Printing.

Intellectual Property Rights (IPR) Workshop



The DST GITAM-Technology Enabling Centre (G-TEC) conducted a two-day hands-on workshop on Intellectual Property Rights (IPR) on the 14th and 15th of March 2024 at GITAM University, Visakhapatnam. The event was attended by 44 academicians from GITAM and various colleges in and around Visakhapatnam.



The workshop featured expert presentations by Mrs. Uma Parameswaran, a registered Indian Patent Agent, and Mr. Ravindranadh Kacharam, who holds a diploma in Patent Law from NALSAR University. They conducted in-depth sessions on Patent Search, Patent Filing, Patent Databases, and various other aspects of IPR. This event provided an excellent platform for participants to deepen their understanding of Intellectual Property Rights, offering valuable insights into the processes and significance of protecting intellectual property.

Master class on Food Innovation



The Centre for Health & Wellness Innovation (CHWI), in collaboration with GITAM Technology Enabling Centre, successfully hosted a Master Class titled "Putting Food on the Table: Transforming Ideas to Brilliant, Successful Products" on July 4-5, 2024, at the Visakhapatnam Campus.

This enriching event featured four pre-eminent experts in Food Science & Technology, Innovation, and Food Safety—Navin Sharma, Shovan Ganguli, Shruti Pavagadhi, and Vilas Sinkar—who brought several decades of practical experience to the table.

The Master Class was specifically designed for Food Science & Technology faculty, start-up coaches, founders, and students. It offered a series of interactive sessions that provided deep insights into the practical aspects of navigating the Concepts to Commercialization.

The real-world examples presented during the sessions allowed faculty members to enrich their teaching by complementing theoretical principles with practical applications, ultimately aiming to create products and services that delight consumers.

The whole intention behind the Master Class was to augment the faculty's teaching experience with practical insights, fostering both fundamental and applied knowledge

CAPACITY BUILDING PROGRAMS

"Idea to impact from concept to commercialization"- e-Club, VDC GITAM



The GITAM e-club invited Dr. Chandra Mouli KVVNR, Manager, Technology Transfer, G-TEC, delivered a speech on the intricacies of Technology Readiness Levels (TRLs). The event consisted of invaluable insights into the journey from conceptualization to commercialization. His presentation provided a detailed roadmap for transforming innovative ideas into impactful, market-ready solutions.

Dr. Chandramouli elaborated on the various stages of TRLs, offering practical guidance on how to navigate each phase effectively. He emphasized the importance of understanding the commercialization process, which includes everything from initial research and development to market entry and scaling.

The "Idea to Impact" event underscored the importance of strategic planning, a thorough understanding of the technology lifecycle, and proactive engagement with the market. It reaffirmed the commitment to fostering innovation and transforming ideas into tangible, beneficial outcomes for society.

Technology Transfer and Commercialization workshop – Avanathi Institute of Engineering & Technology, Thagarapuvalasa



The Department of Basic Sciences and Humanities at Avanathi Institute of Engineering & Technology, Thagarapuvalasa, in collaboration with GITAM Technology Enabling Centre, organised a two-session seminar on Technology Transfer and Commercialisation tailored for undergraduate students and faculty.

Dr. KVVNR Chandra Mouli from G-TEC was the keynote speaker, delivering invaluable insights into the nuances of Technology Transfer and Commercialization. His presentation covered various critical topics, including the importance of Intellectual Property protection, the intricacies of licensing agreements, various funding options available for innovation projects, and effective market strategies to ensure successful commercialisation.

Dr. Mouli emphasized the significance of safeguarding intellectual property as a foundational step in the commercialization process. He also provided practical advice on navigating the complex licensing landscape, helping attendees understand how to negotiate agreements that can facilitate the transfer of technology while protecting the interests of all parties involved.

The seminar also highlighted various funding avenues, from government grants to private investments, essential for advancing technological innovations from concept to market. Dr. Mouli's discussion on market strategies offered a roadmap for effectively positioning and promoting new technologies in competitive markets.

How to Plan for a Startup and Legal & Ethical Steps – Lendi Institute of Engineering & Technology (A)



The event "How to Plan for a Startup and Legal & Ethical Steps," hosted in collaboration with GITAM Technology Enabling Centre by the Innovation and Incubation Cell (IIC) and the Entrepreneurship Development Cell (EDC) at Lendi College, provided an insightful platform for aspiring entrepreneurs and students.

The session aimed to equip participants with essential knowledge and practical steps for launching a successful startup, emphasising the importance of legal and ethical considerations in the entrepreneurial journey.

సాక్షి

పరిష్కార మార్గాలు

కనుగొనడమే విజయం ..

దేశం: ప్రతి పనిలోనూ సమస్యను గుర్తించి సాంకేతిక అనుసంధానం ద్వారా సూత్ర పరిస్థిర మార్గాలను కనుగొనడం స్టార్టప్లకు కీలక విజయం

మాట్లాడుతున్న విశాఖ సూత్రమని విశాఖకు చెందిన విశాఖ యూనివర్సిటీ అసిస్టెంట్ ప్రొఫెసర్ ఆఫీసర్ కేవీఎస్ఆర్ చంద్రమౌళి అన్నారు. జొన్నాడ వద్ద ఉన్న రెండ్ ఇంజనీరింగ్ కళాశాలలో ఎంట్రప్రెన్యూర్ డెవలప్మెంట్, ఇన్స్పైర్ వేషన్ ఇంక్యూబేషన్ సెల్ సంయుక్తంగా చౌటు ప్లాన్ ఫర్ స్టార్ట్, లీగల్ ఎడికల్ స్టెప్స్ అనే అంశంపై గురువారం సెమినార్ నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా హాజరైన చంద్రమౌళి మాట్లాడుతూ.. నేర్పుకున్న సాంకేతిక విద్యలో మెలకువలపై పట్టు సాధించాలన్నారు. కార్యక్రమంలో చైర్మన్ ప్రిన్సిపాల్ టి.హరిబాబు, నిర్వాహకులు పి.తిరుమల, ఏవీ హరారాజు, ఈసీఈ విభాగాధిపతి ఎం.రాజన్బాబు, అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.



D.Tallavalasa, Andhra Pradesh, India
2CC2+47F, D.Tallavalasa, Andhra Pradesh 535005, India
Lat 18.020064°
Long 83.400433°

MEMORANDUM OF UNDERSTANDING

The signing of a Memorandum of Understanding (MoU) between G-TEC and industries & Academic Institutions

The signing of a Memorandum of Understanding (MoU) between industries and G-TEC is a significant milestone that fosters collaboration and partnership between these entities. The MoU serves as a formal agreement that outlines the terms and conditions of cooperation, setting the stage for joint initiatives and shared goals.

S. No.	Name of Industry	Date of signing	Focus areas
1.	Apitoria	13/12/2023	Pharma
2.	Anagha Organics	15/07/2024	Agri tech
3.	SUG Creative	15/07/2024	Digital Marketing



MEMORANDUM OF UNDERSTANDING

The formalization of a Memorandum of Understanding (MoU) between Academia and G-TEC represents a momentous achievement that nurtures cooperation and alliance between these institutes. This MoU acts as a binding agreement that defines the terms and parameters of collaboration, paving the way for collaborative research and projects with common objectives.

S. No.	Name of Industry	Date of signing	Focus areas
1.	Bapatla Engineering College, Vijayawada Guntur	06/06/2024	Food Technology Automation AR/VR Pharmaceuticals Agriculture Smart Manufacturing
2.	Chalapti Engineering College	15/05/2024	
3.	BVC Amalapuram	06/06/2024	
4.	Aditya Pharmacy College, Surampalem	21/06/2024	
5.	RVRJC, Guntur	16/05/2024	
6.	Aditya Engineering college Surampalem	21/06/2024	

PROBLEM STATEMENTS

Smart Manufacturing

Problem: Portable Laser Welding Machine

Statement: Laser welding technology offers precise and efficient means of joining materials, which is particularly valuable for MSMEs involved in manufacturing, metalwork, and fabrication processes. The ability to create strong and high-quality welds with minimal heat-affected zones not only enhances product durability but also reduces material waste. Additionally, laser welding machines can improve production speed, lower operational costs, and require less post-welding cleanup, making them a cost-effective investment for MSMEs aiming to enhance their manufacturing capabilities, product quality, and overall competitiveness in the market.

Problem: Solar Mobile Generator

Statement: The requirement for a solar mobile generator is crucial in various applications, particularly in scenarios where portable, renewable power sources are needed. This technology is valuable for off-grid and remote locations, emergency situations, outdoor events, and mobile power needs. Its key features include a compact design with integrated solar panels, energy storage capabilities, and inverters, which enable the conversion of solar energy into electricity for charging devices, running appliances, and powering essential equipment. This innovative solution offers independence from conventional energy sources, making it an essential choice for both environmentally-conscious consumers and businesses with a need for portable, renewable energy solutions.

PROBLEM STATEMENTS

Agriculture Machinery

Problem: Machinery with Tangential Threshing Technology

Statement: Tangential threshing involves a drum with a rotating concave (a curved or slotted surface) that operates at a tangential angle to the drum's rotation. As the harvested crop passes through this mechanism, the tangential motion creates a shearing effect that helps separate the grain from the straw and other plant material. The tangential action is designed to be gentle on the grain while effectively threshing and separating it from the crop residue. This technology is used to improve the efficiency and effectiveness of threshing and separation processes in harvesting machinery, particularly in the context of crops with grains that need to be separated from the plant material. It is one of several mechanisms used in combine harvesters to ensure a clean and efficient harvest.

Problem: Machinery with Straw Walker Mechanism

Statement: The straw walker mechanism is a critical component in many combine harvesters, which are used for harvesting crops like wheat, barley, and other small grains. The straw walker mechanism helps separate the grain from the straw and chaff as part of the threshing and separation process. This technology typically involves a series of oscillating, grid-like slats or walkers that move back and forth to gently convey the straw and chaff while allowing the separated grain to fall through to be collected. It plays a crucial role in separating and cleaning the harvested crop, ensuring that only the valuable grains are collected while the straw and chaff are directed out of the machine.

Problem: Soil Productivity Detection Technology (AI or IoT-based)

Statement: A technology to detect soil productivity, particularly those based on Artificial Intelligence (AI) or the Internet of Things (IoT), offers a comprehensive solution for assessing and optimizing soil conditions. This technology would revolutionize agriculture by offering accurate and data-driven insights into soil conditions.

PROBLEM STATEMENTS

Sea Food Industry

Problem: Saltwater Issue - Corrosion and rusting of equipment

Statement: The company is experiencing significant issues with saltwater in its processing plant, which is causing corrosion and rusting of equipment. Despite having installed both a softener plant and a Reverse Osmosis (RO) plant, these measures have not been effective. The primary objective is to meet the standards set by IS 10500 and IS 4251 to ensure that production processes remain uncompromised.

Problem: Post-Lethality Recontamination in RTE Products - Controlling biofilm formation on equipment

Statement: Post-Lethality Recontamination in RTE Products - Controlling biofilm formation on equipment.

Petrochemical Industry

Problem: Zero Liquid Discharge Issue in Effluent Treatment

Statement: To develop a solution for achieving Zero Liquid Discharge (ZLD) in the effluent treatment process.

THRUST AREAS OF GITAM – TEC

- Smart Manufacturing
- Agri Tech
- Health Tech
- Food Technology
- Material Science
- Waste Management
- Toys

MoU's with Academia	23
MoU's with Industries	9
Technologies identified	37
Technologies mined	1264
Technologies transferred	1
Capacity Building for Industry & Academia	15

JOIN US FOR

14th International Conference on Sustainable Waste Management -Circular Economy and IPLA Global Forum 2024

International Society of Waste Management Air and Water

**GITAM (Deemed to be) University**

Visakhapatnam, Andhra Pradesh, India - 530045

HYBRID MODE**November 28
to
December 1**About the Conference:

The GITAM School of Business is honored to host the 14th edition of the International Conference on Sustainable Waste Management - Circular Economy (IconSWM-CE) & IPLA Global Forum 2024. This prestigious event is one of the most significant global gatherings dedicated to addressing pressing issues related to waste management, resource efficiency, and the transition to a circular economy.

This year's conference will bring together around 800 delegates from nearly 60 countries, including policymakers, industry experts, academics, researchers, and environmentalists, to discuss and explore innovative solutions to the global challenges of waste management and resource conservation.

Dr. Y L P Thorani

Convenor

14th IconSWM-CE & IPLA GF,
GITAM, Visakhapatnam, India

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Prof. V Srinivas

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HoD, Dept. of
Mechanical Engineering



**Prof. K Viswanatha
Chaitanya**

Co-Coordinator

Professor, Life Sciences



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**Assistant Manager,
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**Sai Meghana
Kallepalli**

**Junior Officer
Operations**

STAY CONNECTED WITH G-TEC

Thank you for reading the latest edition of the GITAM Technology Enabling Centre (G-TEC) Newsletter! We hope you found the updates and insights informative and inspiring.

As we continue to advance our mission of fostering innovation, research, and collaboration, we encourage you to stay connected with us and participate in our various initiatives.

- Join our Events and Workshops to Enhance your Knowledge
- Collaborate with Us for Technology Transfer and Development

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Best regards,

The G-TEC Team

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THANK YOU

Together, let's drive innovation and make a difference!