



**Detailed Report**

on

# **Entrepreneurship-Cum-Skill Development**

Programme (E-SDP) Under

**Raising and Accelerating MSME Performance**

(RAMP Programme)

Nodal Agency

APMSME Development Corporation (APMSMEDC)

Partner Agency

**MSME Technology Centre (Visakhapatnam)**

**Venue: Lakireddy Bali Reddy College of  
Engineering**

**September-17, 2025 to October- 25, 2025**

# **Report on Entrepreneurship-Cum-Skill- Development on** **“Build IOT Applications with RTOS”**

- Event Type** : Hands on Training
- Supporting Agency** : AP MSME Development Corporation with partner agency MSME Technology Centre (Visakhapatnam) under RAMP Scheme.
- Date/Duration** : 20 Days
- Technical Training : 17-09-2025 to 20-09-2025 &  
06-10-2025 to 17-10-2025
- Entrepreneurship Training : 21-10-2025 to 25-10-2025 .
- Name of the Co-ordinators** : Dr.K.Ravi Kumar and Dr.B.Y.V.N.R.Swamy
- Name of Resource Persons** : 1. Mr. P. Gopala Krishna  
2. Mr. Siva Nageshwara Rao  
3. Mr. N. Venkateswarlu  
4. Mr. D. Mohan Kumar
- Target Audience** : V Sem Students
- Total No.of Participants** : 120
- Objective of the Event** : 1. To provide Hands on Training on building of IoT applications using RTOS.  
2. To provide the knowledge and exposure on programming using STM microcontroller in Linux environment.  
3. To provide Entrepreneurship skills and Start-Up opportunities.
- Outcome of event** : Students are able to write embedded programs for IoT applications using STM Microcontroller in Linux environment. Students gain awareness on industry required technological skills. Further the students acquainted with entrepreneurship skills and procedures for establishing start-ups.

## **Description / Report on Event :**

Inauguration of “Entrepreneurship-Cum-Skill- Development” held on 17-09-2025. Dr.K.Murali Krishna, Head Training Dept & Principal, MSME Technology Centre and G.Prasada Reddy, Deputy General Manager, MSME Technology Centre, Visakhapatnam hosted the inaugural session and discussed the importance of skill development and training under RAMP scheme. Dr.K.Appa Rao, principal and HoDs of Electronics and Communication

Department, Mechanical Department and Aerospace Department shared the views on training and the skills to be delivered in training programme.



**Dr.K.Apparao**, Principal, addressing the students during Inaugural Session



**Dr.K.Murali Krishna**, addressing the students during Inaugural of training programme

The training started with industrial opportunities and importance of embedded skills in industry. Importance of basic C programming, basics of electronics is discussed. Students have given assignments on C programming. Software installation procedures are discussed and made students to install themselves. Software required for embedded programming in Linux environment, VMware and STM programming are discussed and given hands on, on installment of software. Different applications using STM microcontroller board are explained and provided Hardware for hands on. LED blinking application is simulated and observed the output using hardware STM microcontroller. WIFI module interface with STM microcontroller is discussed and shown its implementation. Later Hands-on session on the same is performed by students. Also the integration of temperature and humidity sensors using STM microcontroller and information update on Cloud is implemented using STM microcontroller. Different protocols along with MQTT are discussed. Coming to TTOS concepts the task communication and synchronization concepts are discussed.

In entrepreneurship training sessions the skills required for start-ups are discussed. Discussed the importance of leadership qualities. Discussed the importance of patents and created awareness on how to file patent. Created awareness on venture capitalists for support in establishment of startups. Students were sensitized on their ambitions, failures, strengths, short term goals and LEAN business Canvas. In business Canvas students identified problems and needs and discussed existed alternatives and revenue streams. Total Four Batches each of 30 are undergone the training programme.

### **Batch I**



## Batch 2



## Batch 3



## Batch 4



### Day Wise Report :

#### 17/09/25 (Wednesday)

The MSME Embedded Systems Training began with an inaugural session that introduced the objectives and structure of the program. Trainers explained how embedded systems serve as the backbone of modern technologies such as IoT, robotics, and automation. We were introduced to the C programming language, which forms the foundation for embedded applications, and learned about its syntax, structure, and significance in microcontroller programming. Practical examples like “Hello World” helped us understand program execution. Industrial experts also discussed the wide range of career opportunities available in the embedded domain and how embedded engineers contribute to both hardware and software design. The trainers highlighted MSME’s vital role in providing industry-oriented skill development and shared an overview of the training schedule and modules, encouraging students to stay consistent and focus on project-based learning.

A demo session demonstrated how the training would be implemented in practical labs, and the objectives and expected outcomes were clearly defined. We interacted with mentors to clarify initial doubts, and real-time industry examples made the session engaging and informative. The training team emphasized teamwork, discipline, and logical reasoning in programming, while motivational talks by the instructors inspired us to think practically and creatively. The day concluded with a feedback session from participants, marking a strong start

to the training journey and motivating us to approach upcoming technical sessions with renewed enthusiasm.

### **18/09/25 (Thursday)**

The session on Thursday focused on setting up the software environment required for practical embedded systems work. Participants were guided through the installation of VMware, a virtualization platform that allows running multiple operating systems on a single machine. Detailed steps were provided for creating a virtual machine and configuring it to run Ubuntu, which is widely used in embedded and open-source development. The trainer explained the benefits of using a virtual environment, such as ease of testing, isolation from the host system, and flexibility in experimenting with different configurations. Students learned how to navigate the VMware interface, allocate resources like memory and storage, and troubleshoot common installation issues. The session emphasized the importance of having a stable and properly configured development environment before starting any programming exercises or hardware simulations.

After the installation, participants explored basic Ubuntu functionalities and file management techniques. They learned essential commands for navigating directories, creating and editing files, and managing permissions. The practical demonstration helped students gain confidence in using the Linux terminal, which is crucial for embedded system programming and microcontroller interfacing. The trainer also discussed best practices for organizing project files and using version control in a virtual environment. By the end of the day, students were able to successfully set up their virtual machines and perform basic operations in Ubuntu, laying the groundwork for more advanced programming and simulation exercises in the upcoming sessions. The day effectively balanced theory with hands-on practice, ensuring all participants were comfortable with their development setups.

### **19/09/25 (Friday)**

The Friday session focused on introducing participants to the fundamentals of Linux and embedded systems. Students were guided through basic Linux commands such as file navigation, creating and editing files, and managing directories. The trainer emphasized the importance of Linux in embedded systems development, as it provides a stable and flexible platform for programming and hardware interfacing. Practical demonstrations were conducted to ensure that participants could confidently execute commands and manage files using the terminal. The day also included an overview of embedded systems, explaining their architecture, real-time operation, and applications across various industries. Students learned how software interacts with hardware components and how programming is used to control devices.

In addition to Linux, the session covered the classic “Hello World” program as a first step in understanding C programming within embedded systems. The trainer explained each line of the program, helping students grasp the concept of syntax, compilation, and execution. The practical execution of this simple program reinforced the theoretical aspects of programming and introduced debugging techniques. Students also discussed the relevance of this foundational program in understanding input/output operations and the flow of execution. By the end of the day, participants had gained confidence in using Linux commands and writing basic programs, establishing a strong base for subsequent practical exercises in embedded programming.

## **20/9/25 (Saturday)**

On Saturday, the training delved deeper into the embedded systems engineering roadmap. The session outlined the career path, essential skills, and technologies required for a successful journey in embedded systems. Participants were introduced to the step-by-step learning path, including microcontrollers, real-time operating systems, and hardware-software interfacing. The trainer highlighted the importance of understanding both hardware and software aspects and encouraged hands-on practice for building practical skills. Students gained insights into industry-standard tools and development boards used in embedded systems projects.

The practical session involved simulation of basic C programs such as arithmetic operations, ASCII value handling, and conditional statements. Students were guided to write, compile, and debug these programs, reinforcing their theoretical knowledge through hands-on exercises. The trainer assigned an additional task to prepare algorithms and flowcharts for C programming, helping students visualize program logic and structure before coding. This combination of simulation and assignment ensured participants could effectively translate their understanding into real applications. By the end of the day, students were well-prepared to tackle more complex programming tasks and develop logical thinking skills essential for embedded systems development.

## **06/10/25 (Monday)**

Monday's session began with checking the previously assigned algorithms and flowcharts, ensuring participants had understood and implemented them correctly. This review helped clarify doubts and reinforced the importance of structured programming and logical design. The trainer then introduced documentation related to STM32 microcontrollers, guiding students on how to download datasheets, reference manuals, and programming guides. Understanding this documentation was emphasized as crucial for developing embedded applications on STM32 platforms.

The second part of the day focused on the architecture and features of STM32 microcontrollers. Students learned about the different families, memory organization, peripheral modules, and real-time capabilities. The trainer discussed how STM32 microcontrollers are widely used in industry due to their performance, low power consumption, and flexibility. Practical examples were shared, illustrating the application of STM32 in robotics, IoT devices, and automation systems. By the end of the day, participants were comfortable navigating documentation, understanding microcontroller architecture, and preparing for practical programming exercises using STM32 boards.

## **07/10/25 (Tuesday)**

Tuesday's session expanded on STM32 microcontrollers, emphasizing architecture, features, and applications. Students were taught about ARM Cortex cores, peripheral integration, clock configuration, and power management. The trainer highlighted real-world use cases, showing how STM32 microcontrollers are used in industrial, automotive, and IoT projects. Participants gained an understanding of the importance of selecting the right microcontroller based on application requirements.

Practical exercises included the installation and setup of STM32CubeIDE, the integrated development environment for STM32 microcontrollers. Step-by-step guidance was provided for creating new projects, configuring microcontroller settings, and compiling programs. The session also included instructions on creating GitHub accounts for version control and collaborative coding. By the end of the day, participants had successfully set up STM32CubeIDE, understood the microcontroller architecture, and were ready to begin coding and simulating programs on STM32 platforms.

### **08/10/25 (Wednesday)**

On Wednesday, the focus was on familiarizing participants with STM32CubeIDE and writing their first basic programs. The trainer explained the interface, toolchain, and workflow for developing embedded applications. Students learned to create new projects, configure pins, and write simple code using STM32CubeIDE. The session emphasized understanding peripheral initialization and proper project structuring for real-time embedded applications.

The practical session involved simulating a basic LED blinking program. Students configured GPIO pins, wrote code to toggle the LED, and simulated execution within the IDE. This exercise helped participants understand how software controls hardware and introduced debugging techniques. The session reinforced programming concepts, microcontroller configuration, and the practical application of embedded systems principles. By the end of the day, students could confidently write and simulate basic programs on STM32, preparing them for more advanced exercises.

### **09/10/25 (Thursday)**

Thursday's session focused on extending the concepts learned earlier by simulating the "Hello World" program on STM32 microcontrollers. Participants were guided on configuring UART communication and understanding serial output. The trainer explained how microcontrollers interact with peripherals and the role of embedded software in controlling hardware functions.

The practical session allowed students to implement and run the program using STM32CubeIDE. They observed serial output via the console, gaining hands-on experience with input/output operations. The session emphasized the importance of debugging, code validation, and ensuring proper peripheral configuration. By the end of the day, participants had strengthened their understanding of microcontroller programming, peripheral management, and simulation techniques in STM32 environments.

### **10/10/25 (Friday)**

Friday's session introduced students to different types of communication buses used in embedded systems, such as I2C, SPI, and UART. The trainer explained their roles, advantages, and application scenarios. Students learned how buses facilitate communication between microcontrollers and peripheral devices.

The practical part involved simulating an LED controlled by a switch using STM32CubeIDE. Participants configured GPIO pins for input and output, wrote code to read switch states, and toggle the LED accordingly. This exercise provided hands-on experience in

combining hardware inputs and outputs with embedded programming. By the end of the day, students were comfortable with bus communication concepts and practical hardware interfacing using STM32 microcontrollers.

### **11/10/25 (Saturday)**

Saturday's session began with the installation of Tera Term, a terminal emulator used for serial communication with microcontrollers. The trainer explained how to configure Tera Term for UART communication, emphasizing its importance in debugging and monitoring microcontroller programs.

Students also learned about memory files and their role in storing program data and configuration settings. Additionally, participants created accounts on Rightech, a platform for IoT and embedded systems development. Hands-on exercises ensured students could establish serial communication, observe program outputs, and manage microcontroller memory. By the end of the day, participants had gained practical skills in monitoring, debugging, and interacting with STM32 microcontrollers using external tools.

### **13/10/25 (Monday)**

Monday focused on embedded communication modules and their applications. The trainer explained the principles of UART communication, data transmission, and error handling. Students learned how embedded systems communicate with other devices and the significance of proper protocol implementation. The session also highlighted different communication standards used in embedded systems and their practical relevance in real-world applications. Students were encouraged to discuss scenarios where UART would be preferred over other communication protocols, enhancing their conceptual understanding. The importance of timing, baud rate configuration, and signal integrity was also emphasized, preparing students for accurate implementation in projects.

A practical exercise involved simulating a UART transmitter program using Tera Term. Participants wrote code, transmitted data, and observed serial output on the terminal. The session emphasized debugging techniques, code optimization, and ensuring reliable communication. Students also explored the use of buffers and interrupt-driven communication to handle data efficiently. By the end of the day, students had a clear understanding of communication modules, could implement basic UART transmission in STM32 microcontrollers, and were confident in troubleshooting common communication issues.

### **14/10/25 (Tuesday)**

Tuesday's session expanded on the previous day by covering operating systems in embedded systems. The trainer explained the role of OS in managing resources, tasks, and peripherals in real-time applications. Students were introduced to basic concepts such as task scheduling, multitasking, and inter-process communication. The session also highlighted the differences between simple loop-based execution and OS-managed task execution, giving participants a better understanding of efficiency in embedded systems. Real-world examples of OS use in consumer electronics and industrial automation were discussed to connect theory with practice.

The practical part involved simulating a UART receiver program. Participants configured the microcontroller to receive data from Tera Term and display it on the console. This exercise helped students understand bidirectional communication and the interaction between software and hardware. Additional exercises demonstrated how to handle data overflow and synchronize transmission and reception effectively. By the end of the day, participants were able to implement both transmission and reception of UART data, debug communication errors, and reinforce their embedded systems communication skills.

### **15/10/25 (Wednesday)**

Wednesday focused on real-time operating systems (RTOS) and general-purpose operating systems (GPOS). The trainer explained the differences between the two, their types, and their applications in embedded systems. Participants learned the importance of task management, scheduling policies, and system reliability in real-time applications. The session also included discussions on task priorities, preemption, and context switching to highlight the advantages of RTOS over conventional OS for time-sensitive tasks. Students were encouraged to relate these concepts to real-life systems such as automotive controllers and medical devices.

The practical session involved simulating the `rtos_led_toggle` program. Students configured tasks to toggle LEDs at specific intervals, gaining hands-on experience with multitasking and RTOS concepts. The session emphasized the importance of timing, synchronization, and task prioritization in real-time systems. Students experimented with different task intervals and observed the effect of scheduling on LED toggling accuracy. By the end of the day, participants had a strong understanding of RTOS principles, multitasking implementation, and were confident in applying these concepts to STM32-based projects.

### **16/10/25 (Thursday)**

Thursday's session concentrated on FreeRTOS, a widely used real-time operating system for embedded systems. The trainer explained its architecture, including task creation, scheduling, and inter-task communication mechanisms. Students learned how FreeRTOS enables multitasking and improves system responsiveness in embedded applications. The session also covered practical considerations such as memory management, stack allocation, and task synchronization techniques for efficient system performance. Examples of FreeRTOS applications in robotics and IoT systems were discussed to demonstrate its real-world impact.

The practical exercises focused on task creation, syntax explanation, and simulation of task-based programs. Participants implemented multiple tasks, observed their execution, and debugged any issues encountered. Students also explored inter-task communication using queues and semaphores, reinforcing synchronization concepts. The session reinforced theoretical knowledge with hands-on programming, emphasizing the importance of task management, resource allocation, and system stability. By the end of the day, students had acquired practical experience in FreeRTOS, were able to implement multitasking programs, and were well-prepared for advanced embedded systems projects.

### **17/10/25(Friday)**

Friday's session focused on wireless communication modules used in embedded systems, specifically Bluetooth and Wi-Fi modules. The trainer began by explaining the principles of

Bluetooth communication, including pairing, data transmission, and low-power operation. Students learned about the different types of Bluetooth modules, their specifications, and typical applications in IoT and consumer electronics. The session also introduced Wi-Fi modules, highlighting how they enable microcontrollers to connect to networks and the Internet for remote monitoring and control. Students gained insight into real-world use cases, such as smart home devices, wearable electronics, and industrial automation, where these modules are commonly used.

In the practical session, participants implemented simple projects using Bluetooth and Wi-Fi modules, such as sending and receiving data between microcontrollers and mobile devices. The afternoon was dedicated to feedback and discussion, where students shared their learning experiences, challenges faced, and suggestions for improvement. The HOD and resource person also delivered short speeches, appreciating the students' participation, encouraging further exploration in embedded systems, and emphasizing the importance of continuous learning and practical experimentation. By the end of the day, students had hands-on experience with wireless communication modules and a deeper understanding of their real-world applications, combined with insights from peer and expert feedback.

### **21/10/25(Tuesday)**

In the morning session, an Entrepreneurship meeting was conducted to encourage students to think innovatively and develop leadership qualities. The session highlighted how entrepreneurship helps in building confidence, problem-solving skills, and creativity. Experts explained the importance of setting goals, planning strategies, and staying motivated in one's journey toward success. In the afternoon session, the discussion began with the definition of IoT (Internet of Things) — a technology that connects physical devices through the internet to collect and share data, making systems smarter and more efficient. The concept showed how IoT plays a vital role in industries, homes, and cities to bring automation and innovation.

The session then moved on to the concept of empowerment, which means gaining confidence, knowledge, and the ability to make decisions independently. Students were guided to set limited goals, reaction goals, and desired goals — where limited goals focus on small achievements, reaction goals come from challenges faced, and desired goals represent long-term dreams. To inspire us, examples of great personalities like Elon Musk and Deepa Malik were discussed. Elon Musk's vision and innovation in technology reflect transformation and dedication, while Deepa Malik's courage and determination show true empowerment. The session concluded with a motivational talk on focus, reminding us that staying determined and consistent is the key to transforming our goals into achievements.

### **22/10/25(Wednesday)**

The session emphasized the importance of parents in shaping our character, values, and future. Parents are our first teachers who guide us with unconditional love, support, and motivation. They help us differentiate right from wrong and encourage us to follow our dreams with confidence. Along with this, the discussion focused on the growing influence of artificial intelligence and automation, which are transforming every field. Students were motivated to adapt to new technologies and develop innovative thinking to stay ahead in this fast-changing

world. Automation not only saves time but also improves accuracy, helping industries become more efficient and smarter.

Sir also suggested reading valuable books such as *The Psychology of Money*, *The Power of the Subconscious Mind*, and *SMART Goals*, which help in developing positive thinking and better financial understanding. We were also guided to learn about SWOT analysis to identify our strengths and weaknesses, and to improve through skill development. The importance of emotional intelligence and affirmation was highlighted for maintaining balance and confidence in life. Students were inspired to practice manifestation — believing in one's dreams and working consistently to achieve them. The session concluded with the message that true success comes from continuous learning, focus, and a positive mindset guided by both knowledge and family support.

### **23/10/25(Thursday)**

The session began with affirmation checking, encouraging students to start their day with positive thoughts and self-belief. Affirmations help in building confidence, focus, and a strong mindset. To explain the importance of dedication and self-learning, the story of Ekalavyudu was discussed. Despite being denied formal mentorship, Ekalavyudu's determination and respect for his guru helped him achieve excellence, teaching us the real value of mentorship and self-discipline. The discussion inspired us to value our teachers, guides, and parents who help shape our journey toward success.

The second part of the session introduced the concept of Industry 5.0, which focuses on collaboration between humans and intelligent machines. It highlights how technology and human creativity work together to build a smarter, more sustainable future. Industry 5.0 supports society by creating personalized products, improving efficiency, and promoting green and circular economy models where resources are reused and waste is minimized. The session also covered market awareness and change management, helping students understand how industries adapt to new trends and innovations. Overall, the session motivated us to be innovative, adaptable, and responsible citizens who contribute positively to both technology and society.

### **24/10/25(Friday)**

The session introduced the concept of Lean Methodology in Startups, which focuses on building a business idea step by step with minimal resources and maximum efficiency. It helps startups reduce waste, test ideas quickly, and understand customer needs before investing heavily. Through this approach, entrepreneurs can identify what works and what doesn't by using real feedback. This connects to Lean Management, which aims to improve productivity, reduce unnecessary steps, and create more value for customers using fewer resources. The main goal is to achieve continuous improvement through teamwork, innovation, and smart decision-making.

Along with technical knowledge, the importance of Emotional Intelligence and Self-Confidence was discussed. Emotional intelligence helps individuals manage their emotions, build strong relationships, and make balanced decisions even under pressure. Self-confidence encourages entrepreneurs to believe in their ideas and face challenges positively. The concept of Product Value was explained as the worth a customer finds in a product, based on how well it

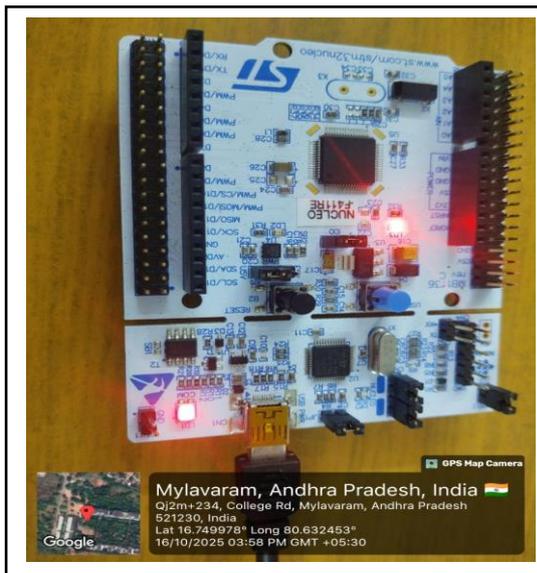
solves their problem. To develop products effectively, startups should first create an MVP (Minimum Viable Product) — a basic version of the product with essential features used to test the market and gather feedback. This process saves time, reduces risks, and helps build a successful and customer-centered startup.

### 25/10/25 (Saturday)

The session began with sir taking feedback from all participants, allowing everyone to share their learning experiences and suggestions. Later, sir explained the concept of MPMC (Microprocessor and Microcontroller), which plays a vital role in automation and embedded systems. The discussion continued with various funding options for startups, such as Seed Funding, PMEGP (Prime Minister’s Employment Generation Programme), VLS (Venture Loan Scheme), and Angel Investors — all of which support entrepreneurs in developing and expanding their business ideas. We also learned about the importance of preparing a Compliance Report, which ensures that startups follow government rules, tax laws, and ethical business standards.

In the next part, sir discussed the types of business structures such as sole proprietorship, partnership, and private limited companies. He also explained GST (Goods and Services Tax) and its types — CGST, SGST, IGST, and UGST — highlighting how it simplifies taxation across India. The session included details on MSME classifications based on investment and turnover, showing how micro, small, and medium enterprises contribute to the economy. Sir also mentioned patent powers, encouraging innovation and protection of original ideas. Finally, the Lean Six Segment concept was introduced, focusing on efficiency, cost reduction, customer value, and continuous improvement. The session was very informative, linking theory with practical aspects of entrepreneurship and innovation.

### Hardware Photos



**STM32 Microcontroller board and its use in building IoT application**



## స్కిల్ డెవలప్ మెంట్ పై వర్క్ షాప్

ప్రజాశక్తి-మైలవరం : స్థానిక లకిరెడ్డి బాలీరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఎపిఎంఎస్ఎంఇ డెవలప్ మెంట్ కార్పొరేషన్ ఆధ్వర్యంలో ఎంటర్ ప్రెన్యూర్ షిప్ కం స్కిల్ డెవలప్ మెంట్ ప్రోగ్రామ్ ను ఎంఎస్ఎంఈ టెక్నాలజీ సెంటర్ డిప్యూటీ జనరల్ మేనేజర్ జి.ప్రసాద రెడ్డి ప్రారంభించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ప్రపంచ బ్యాంకు మద్దతుతో, ఎంఎస్ఎంఈ మంత్రిత్వ శాఖ భారత ప్రభుత్వ సొసైటీ సహకారంతో ఈ కార్యక్రమం నిర్వహించబడుతుందన్నారు. ఎల్బిఆర్సి ఈ కళాశాల ప్రిన్సిపల్ డాక్టర్ కె.అప్పారావు మాట్లాడుతూ యువ ఇంజనీర్లకు ఒక ముఖ్యమైన సామర్థ్యాన్ని పెంపొందించే కార్యక్రమంగా ఈ వర్క్ షాప్ పనిచేస్తుందన్నారు. కార్యక్రమంలో కళాశాల ప్రసిడెంట్ జి.శ్రీనివాసరెడ్డి, వివిధ విభాగాల హెచ్ఓడిలు పాల్గొన్నారు.

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# శుక్ల, మధ్య, చిన్న తరహా పరిశ్రమల ఏర్పాటుపై శిక్షణ



డాక్టర్.మురళి కృష్ణుని సత్కరిస్తున్న ప్రెస్సిపాల్ అప్పారావు తదితరులు

మైలవరం, అక్టోబర్ 21 (ఆంధ్ర ప్రభ) : శుక్ల, మధ్య, చిన్న తరహా పరిశ్రమల స్థాపనకై నైపుణ్యాన్ని పెంపొందించుకునేందుకు శిక్షణా తరగతులు ఎంతగానో ఉపయోగ పడుతాయని విశాఖపట్టణంలోని బి క్నాలజీ సెంటర్ శిక్షణాధిపతి, ప్రెస్సిపాల్ డాక్టర్. కె. మురళి కృష్ణ పేర్కొన్నారు. స్థానిక లకిరెడ్డి బాలీరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఆంధ్రప్రదేశ్ స్కిల్ డెవలప్ మెంట్ కార్పొరేషన్ ( ఆ కాఃఊ) ఆధ్వర్యంలో జరుగుతున్న శిక్షణ తరగతులు ముంగళవారం ముగిసాయి.ఎంటర్

ప్రెన్యూర్ షిప్ కమ్ స్కిల్ డెవలప్ మెంట్ ప్రోగ్రామ్ ఆంధ్రప్రదేశ్ లోని ఎన్టీఆర్ జిల్లాలో ప్రారంభించిన ఎం ఎస్ఎం ఇ పర్సాన్లెస్ రైజింగ్ అండ్ యాక్సిల రేటింగ్ (ఆః) పథకం కింద ఎంటర్ ప్రెన్యూర్ షిప్ అండ్ స్కిల్ డెవలప్ మెంట్ ప్రోగ్రామ్ (ఊఃఊ) ను ప్రపంచ బ్యాంకు మద్దతుతో స్కిల్ డెవలప్ మెంట్ కార్పొరేషన్, మంగళగిరి, విశాఖపట్టణంలో బిక్నాలజీ సెంటర్, రాష్ట్ర మంత్రిత్వ శాఖ, భారత ప్రభుత్వ సొసైటీ సహకారంతో అమలు చేస్తోంది.ఈ పథకాన్ని మైలవరం ఎమ్మెల్యే వసంత

కృష్ణ ప్రసాద్, ఎన్టీఆర్ జిల్లా జిల్లా కలెక్టర్ జి.లక్ష్మీశ, ఎన్టీఆర్ జిల్లా డీఎస్ జీఎం మధ్య పర్యవేక్షణలో (ఊ - ాఊ) లు నిశితంగా పరిశీలించి ఈ కార్యక్రమాన్ని లకిరెడ్డి బాలీరెడ్డి కాలేజీ ఆఫ్ ఇంజనీరింగ్, మైలవరంలో నిర్వహించడానికి అనుమతించారు. ఈ సందర్భంగా మాట్లాడుతూ శుక్ల, చిన్న మరియు మధ్య తరహా పరిశ్రమల (కాఃఊ) మంత్రిత్వ శాఖ ద్వారా అమలు చేయబడే ఒక శిక్షణా కార్యక్రమానికి హాజరై మురళి కృష్ణ మాట్లాడుతూ నైపుణ్యాభివృద్ధి, వ్యవస్థాపక నైపుణ్యాలను మెరుగుపరచడానికి ఈ శిక్షణ రూపొందించబడిందని అన్నారు.ఈ వర్క్ షాప్ లో పాల్గొన్న విద్యార్థిని విద్యార్థులకు పరిశ్రమలకు అవసరమైన నైపుణ్యాలను మెరుగుపర్చుకోవడానికి నాలుగు వారాల పాటు శిక్షణ ఇచ్చామని తెలిపారు.కళాశాల ప్రెస్సిపాల్ డా.కె. అప్పారావు మాట్లాడుతూ ఈ వర్క్ షాప్ యువతను వ్యవస్థాపకత, ప్రత్యామ్నాయ కెరీర్ల వైపు ప్రేరేపించడం, నిర్మాణాత్మక శిక్షణా మాడ్యూల్ల ద్వారా

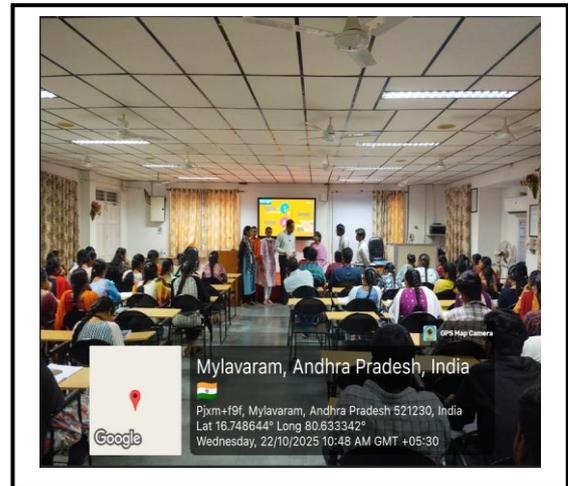
సాంకేతిక, సాఫ్ట్ నైపుణ్య అభివృద్ధిని అందించడం, విద్యార్థులు కొత్త స్టార్ట్ అప్స్ లను ప్రారంభించడానికి, ఉన్న వ్యాపారాలను అభివృద్ధి చేయడానికి ఉపాధిని పెంచడానికి వీలు కల్పించడం, కోసం రూపొందించబడ్డాయని, ఇటు వంటి వర్క్ షాప్ లను విద్యార్థిని, విద్యార్థులు సద్వినియోగం చేసుకోవా లని కోరారు. ఈ పథకం కింద లకిరెడ్డి బాలీరెడ్డి కళాశాల ఆఫ్ ఇంజనీరింగ్ లో మొత్తం ఎనిమిది (ఊఃఊ) వర్క్ షాప్ లు ప్రారంభమయ్యాయని తెలియ జేశారు. ఎన్టీఆర్ జిల్లాలోని అన్ని అసెంబ్లీ నియోజకవర్గాల నుండి 240 మందికి పైగా నమోదు చేసుకున్నారు, ఈ సందర్భంగా ప్రెసిడెంట్ శ్రీ.జి.శ్రీనివాసరెడ్డి, డీన్ (ఇండస్ట్రి రిలేషన్స్) డా.వి.సూర్య నారాయణ, వివిధ విభాగాల విభాగాధి పతులు జిల్లాలో ఇటువంటి కార్యక్రమా లను నిర్వహించినందుకు ఆంధ్రప్రదేశ్ ప్ర భుత్వానికి, స్కిల్ డెవలప్ మెంట్ కార్పొరేషన్, మంగళగిరి వారికి కృతజ్ఞతలు తెలిపారు. అంతరం డాక్టర్, మురళి కృష్ణుని సత్కరించారు.

# Geo Tag Photos during Technical Sessions

(From 17-09-25 to 20-09-25 & From 06-10-25 to 17-10-25 )



## Geo Tag Photos during Entrepreneur Training Sessions (From 21-10-2025 to 25-10-2025)



28.10.2025

HoD, ECE