



SESHDRI RAO
GUDLAVALLERU ENGINEERING COLLEGE
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
SeshadriRao Knowledge Village, Gudlavalleru-521356, Krishna (Dt), AP,
India



A

Report on

IIC Calendar Activity

In view of

**Programming with Arduino and Raspberry Pi with Radar Sensors
for IOT Applications**

For

Workshop on Prototype/Process Design and Development

“Innovation”

Thrust area: Validation and Innovation & Business Model Development

On

11th to 16th March

By

SRGEC TECHDOC

Innovation and Incubation cell

For the Academic Year

2023-24

Quarter-III

Semester-II



**Ministry of
Education**
Government of India



**MoE's
INNOVATION CELL**
(GOVERNMENT OF INDIA)



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)



| | |
|------------------------|--|
| Semester 2 | Thrust area: Validation and Innovation & Business Model Development |
| | Quarter-III |
| Theme | Innovation |
| Activity Name | Programming with Arduino and Raspberry Pi with Radar Sensors for IOT Applications For Workshop on Prototype/Process Design and Development. |
| Mode of Conduct | Offline |
| Time | One Week, 11 th to 16 th March |
| Participants | Students: 255 Attended Faculty: 15 Attended |

Objective:

The workshop aims to provide participants with comprehensive knowledge and practical skills in prototype and process design and development, fostering innovation and problem-solving capabilities.

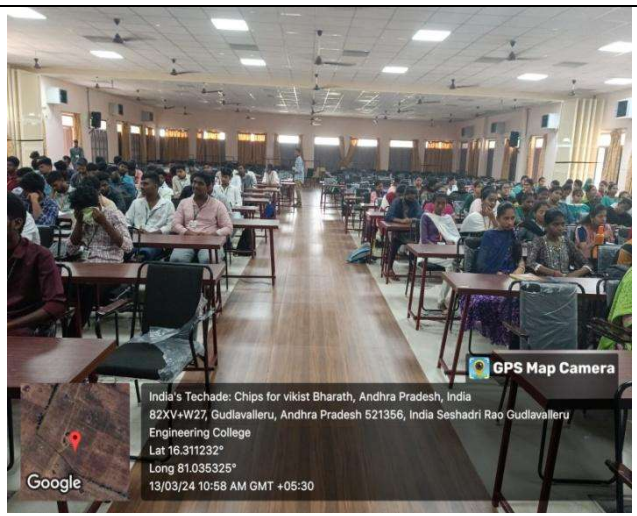
Exemplary:

From the 11th to the 16th of March 2024, Dr. D. Prabhakar, the Internship Coordinator of IIC, SRGEC, and Ms. N. Dr. K. Kalyan Raj, a distinguished faculty member, co-led a transformative workshop on Prototype/Process Design and Development. This workshop, an essential event on the IIC Calendar, served as a dynamic platform for participants to gain hands-on experience and insights into the intricacies of designing and developing prototypes and processes. Through a series of engaging sessions, Dr. P. Srihari, Director, Sri Shasha Prayathi Technologies Pvt. Ltd., Bangalore guided participants through the fundamental principles and methodologies of prototype design, emphasizing the importance of conceptualization, iteration, and validation in the product development lifecycle. Practical exercises and case studies provided attendees with opportunities to apply theoretical concepts to real-world scenarios, fostering a deep understanding of the prototyping process.

Moreover, the workshop explored various approaches to process design and optimization, equipping participants with the tools and techniques to streamline workflows, enhance efficiency, and minimize costs in manufacturing and production environments. **Dr. P. Srihari, Director, Sri Shasha Prayathi Technologies Pvt. Ltd., Bangalore** shared their expertise and practical insights, guiding participants through the intricacies of process mapping, optimization strategies, and quality assurance methodologies.

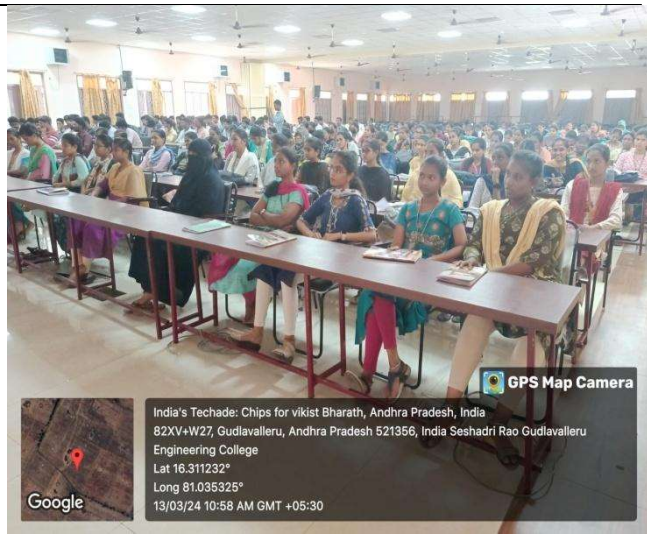
An integral component of the workshop was its interactive nature, with participants encouraged to collaborate, brainstorm ideas, and share best practices. Through group activities and discussions, attendees gained diverse perspectives and collective wisdom, enriching their learning experience and fostering a collaborative spirit of innovation.

By the conclusion of the workshop, participants emerged equipped with the knowledge, skills, and confidence to tackle complex challenges in prototype and process design and development. Dr. D. Prabhakar and Ms. N. Dr. K. Kalyan Raj's exemplary leadership and expertise were instrumental in orchestrating an event that empowered participants to drive innovation, enhance productivity, and achieve excellence in their respective fields.





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Gudlavalleru, Andhra Pradesh, India
922R+QXM, Gudlavalleru, Andhra Pradesh 521356, India
Lat 16.352022°
Long 81.042888°
14/03/24 11:46 AM GMT +05:30



GPS Map Camera
India's Techade: Chips for viksit Bharath, Andhra Pradesh, India
82XV+W27, Gudlavalleru, Andhra Pradesh 521356, India Seshadri Rao Gudlavalleru Engineering College
Lat 16.311232°
Long 81.035325°
13/03/24 10:58 AM GMT +05:30



GPS Map Camera
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Gudlavalleru, Krishna, 521356, AP, India
Lat 16.352035, Long 81.042345
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Note : Captured by GPS Map Camera



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Lat 16.352103°
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GPS Map Camera
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922V+V6P, Gudlavalleru, Andhra Pradesh 521356, India
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GPS Map Camera
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