SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMEN STUDIES
(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

CHUDA for Preparation of In-Principle Layout Patterns (IPLPs) under LRS

Report on Preparation of In-Principle Layout Patterns (IPLPs) under LRS - CHUDA

Title of the Event: Preparation of In-Principle Layout Patterns (IPLPs) under LRS
Organized by: Planning Officer, Chittoor Urban Development Authority (CHUDA), Chittoor
Target Audience: II B.Tech, III B.Tech& IV B.Tech civil engineering Students
Date & Venue:

- **Orientation Training:** 03-08-2026 to 04-08-2026
- **Practical Training:** 05-08-2026 to 07-08-2026
- **Venue:** CHUDA Office, Chittoor

Collaboration between SITAMS, Chittoor (Autonomous) and CHUDA for Preparation of In-Principle Layout Patterns (IPLPs) under LRS

Introduction:

CHUDA in collaboration with SITAMS, Chittoor (Autonomous), is preparing In-Principle Layout Patterns (IPLPs) under the Layout Regularization Scheme (LRS) to support systematic and compliant urban planning. This initiative integrates academic expertise with government planning efforts while providing practical learning opportunities for students.

Objectives

1. To prepare accurate and standardized In-Principle Layout Patterns (IPLPs) under the Layout Regularization Scheme (LRS) in accordance with CHUDA guidelines and urban planning regulations.
2. To strengthen collaboration between academia and government by providing students with practical exposure to GIS-based mapping, surveying, and urban planning practices.

Description of the Event:

Strengthening Urban Planning through Academic–Government Collaboration

The **Sreenivasa Institute of Technology and Management Studies (SITAMS), Chittoor (Autonomous)**, in collaboration with the **Chittoor Urban Development Authority (CHUDA)**, proposes to undertake the preparation of **In-Principle Layout Patterns (IPLPs)** under the **Layout Regularization Scheme (LRS-2020)**. This collaborative initiative aims to support CHUDA in addressing the large number of pending LRS applications while providing Civil Engineering students with valuable practical exposure to urban planning and infrastructure development.

The preparation of IPLPs is a critical step in the regularization of unauthorized layouts. An IPLP is a technical planning drawing prepared by incorporating existing site conditions along with statutory planning regulations, including existing and proposed roads, road widening, open spaces, Master Plan roads, unsold plots, and land to be surrendered to the local authority. Since the preparation of these drawings involves extensive AutoCAD drafting, mapping, measurements, and technical verification, CHUDA has sought the academic support of SITAMS to supplement its limited technical manpower.

Under this collaboration, **2nd 3rd and 4th year Civil Engineering students** of SITAMS will participate in the preparation of IPLPs under the guidance of the **Head of the Department, Civil Engineering**, faculty coordinators, and CHUDA technical officers. Prior to the commencement of the work, CHUDA will conduct comprehensive orientation and training programmes covering LRS provisions, IPLP preparation procedures, DT&CP standards, AutoCAD templates, colour

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coding, road widening norms, open space calculations, and quality control measures. Students will apply their engineering knowledge in a real-world environment while gaining practical experience in technical drafting, surveying, layout planning, and government planning procedures.

The collaboration is expected to generate significant benefits for all stakeholders. CHUDA will receive valuable technical assistance in expediting the preparation of IPLPs, thereby facilitating the timely processing of LRS applications. SITAMS students will benefit through hands-on learning, enhanced AutoCAD proficiency, exposure to urban planning practices, and improved employability in planning, infrastructure, consultancy, and government sectors. Faculty members will also gain opportunities to mentor students in solving practical engineering problems and strengthen industry and government engagement.

Quality assurance will remain a key component of the programme. Every IPLP prepared by students will be thoroughly examined by CHUDA Technical Officers, verified with Master Plans and village maps, and reviewed for dimensional accuracy and statutory compliance before approval by the competent authority. While students will contribute to the preparation of drawings, the technical responsibility for the final approval and implementation of the IPLPs will remain entirely with CHUDA.

This partnership between **SITAMS, Chittoor (Autonomous)** and **CHUDA** exemplifies a meaningful academia–government collaboration that promotes experiential learning, technical skill development, and public service. By combining academic expertise with practical governance needs, the initiative will contribute to the efficient implementation of the Layout Regularization Scheme, enhance students' professional competencies, and support planned and sustainable urban development in the Chittoor region.

CHUDA OFFICE ORIENTATION DAY:



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Conclusion

The collaboration between SITAMS, Chittoor (Autonomous), and CHUDA successfully bridged academic learning with practical urban planning. The programme enabled students to apply engineering concepts in real-world planning projects while supporting CHUDA in implementing the Layout Regularization Scheme efficiently. This initiative serves as a model for future academia–government partnerships that promote innovation, experiential learning, and sustainable urban development.

STUDENT DETAILS FOR IPLPS LAYOUT WORK

S NO	STUDENT NAME	ROLL NUMBER	YEAR	MOBILE NUMBER	Signature of the student
01	M.VISHNUVARDHAN	24755A0101	IV YEAR	7416981213	
02	KR LOKESH	25755A0101	III YEAR	9490208896	
03	N TEJESH	25751A0104	II YEAR	9703200276	
04	BV MAHESH	25751A0101	II YEAR	7799141498	
05	M JAGAN	25751A0103	II YEAR	6309125450	
06	P MUTHU KUMAR	25751A0105	II YEAR	9686177863	
07	K BHAGATH	25751A0102	II YEAR	9381379650	

k. Prudvi
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PRINCIPAL

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