

Date: 22.01.2025

### Activity Based Learning

Name of Course Instructor : Dr.G.L.N.Murthy  
 Course Name & Code : Analog Communications & 23EC07  
 L-T-P Structure : 3-0-0 Credits : 3  
 Program/Sem/Sec : B.Tech/IV/B A.Y. : 2024-25

**Name of the Topic : Review on the concepts of Amplitude Modulation**

**Type of innovative teaching methodology : Quiz**

**Objectives : To make the student recollect the fundamental concepts and equip himself/herself the ability to attempt competitive exams like GATE.**

**NPTEL/Youtube/Open domain etc Video Link : Nil**

**Outcome : Strengthening the fundamental concepts**

**Geotag photos**



<b>Course Instructor</b>	<b>Course Coordinator</b>	<b>Module Coordinator</b>	<b>HOD</b>
Dr.G.L.N.Murthy	Dr.B.Poornaiah	Dr.M.V.Sudhakar	Dr.G.Srinivasulu



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada  
Accredited by NAAC with "A" Grade and NBA (ECE, EEE, CSE, IT & MECH) Under Tier-I  
L B Reddy Nagar, Mylavaram-521 230, NTR District, Andhra Pradesh.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

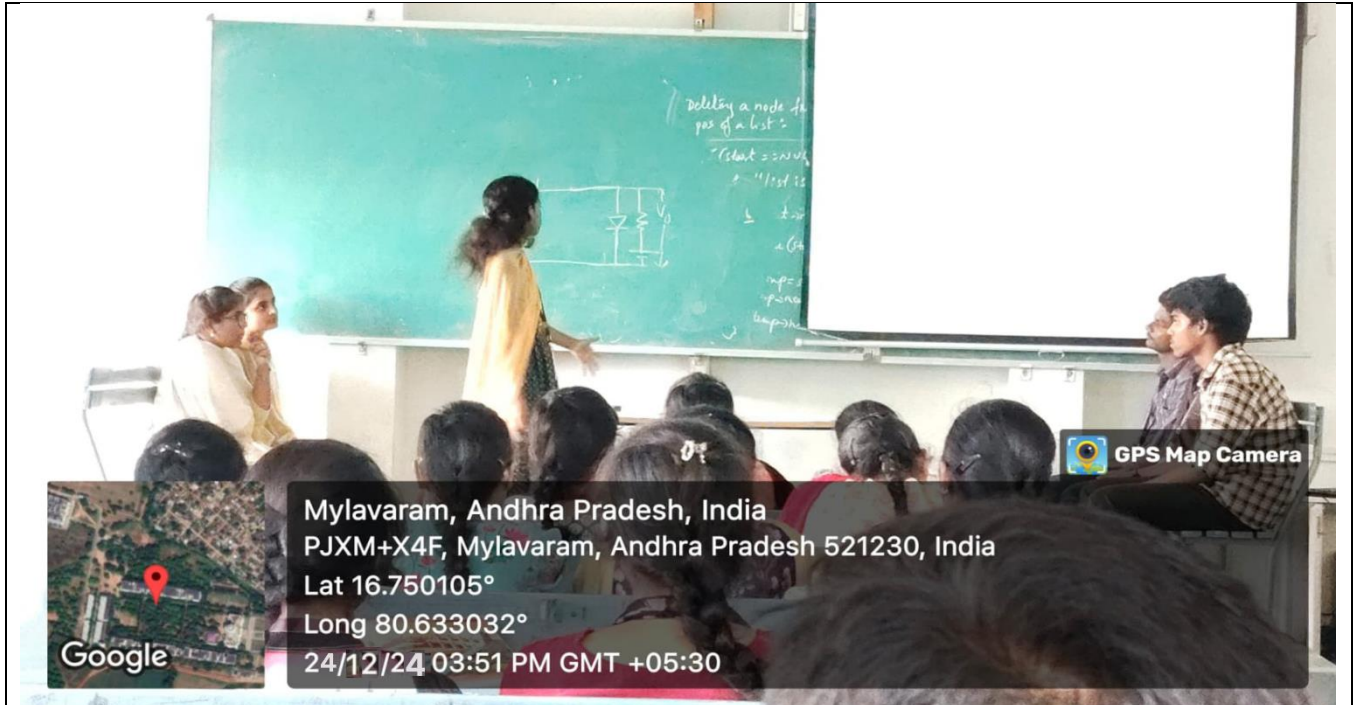
### Topics Covered under Innovative teaching techniques

Date: 24.12.2024

Name of Course Instructor : Dr. K.RaniRudrama  
Course Name & Code : Microwave Engineering – 20EC17  
L-T-P Structure : 3-0-0 Credits : 3  
Program/Sem/Sec : B.Tech., ECE.Vi-Sem., Section- B A.Y. : 2024-25  
Name of Technique : **Group discussion**

**Objective** : After gaining knowledge about Cavity resonators, this session is aimed at exposing the students about the applications of resonators as microwave frequency meters. The student will be exposed to the need of microwave frequency meters in RADAR communication. Discussed on microwave frequency C--band RADAR applications.

**Outcome** : Students will gain exposure on RADAR transmitters.



**Course Instructor**

Dr. K.RaniRudrama

**Course Coordinator**

Dr. K.RaniRudrama

**Module Coordinator**

Dr.M.V.Sudhakar

**HOD**

Dr. G.Srinivasulu



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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Topics Covered under Innovative teaching techniques

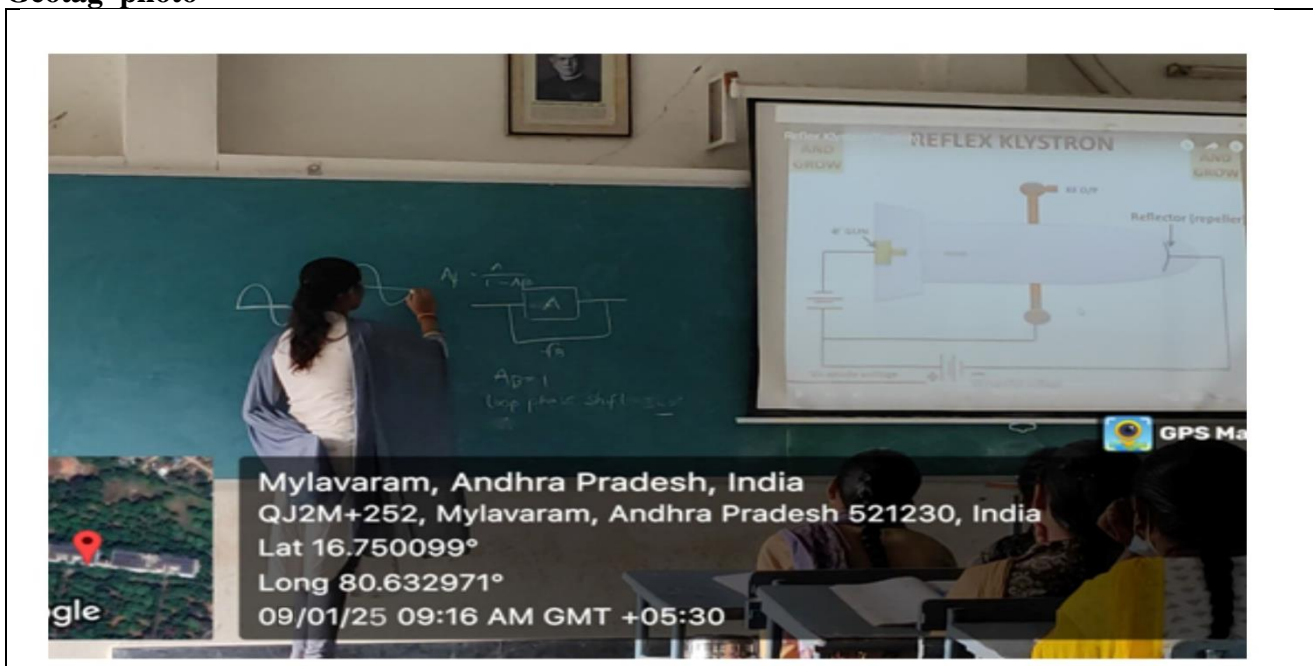
Date: 09.01.2025

Name of Course Instructor : Dr. K.RaniRudrama  
Course Name & Code : Microwave Engineering – 20EC17  
L-T-P Structure : 3-0-0 Credits : 3  
Program/Sem/Sec : B.Tech., ECE., VI-Sem., Section- B A.Y. : 2024-25  
Name of Technique : **Flipped class**

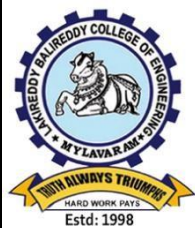
**Objective** : After gaining knowledge about Reflex klystron Oscillator this session is aimed at exposing the students about the applications of microwave sources at Microwave Applications.

**Outcome** : Students will gain exposure on Microwave sources.

#### Geotag photo



Course Instructor	Course Coordinator	Module Coordinator	HOD
Dr. K.RaniRudrama	Dr. K.RaniRudrama	Dr.M.V.Sudhakar	Dr. G.Srinivasulu



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Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, NTR Dist, Andhra Pradesh, India.

Department of Electronics and Communication Engineering

Date:26/09/2024

## Topics Covered using Innovation teaching methodology

Name of Course Instructor : Dr P. Rakesh Kumar  
Course Name & Code : Basic Electrical & Electronic Engineering  
L-T-P Structure : 3-0-0 Credits 3  
Program/Sem/Sec : ECE/I/A A.Y. :2024-25

Name of the Topic : Debate on Basic Electronics

Type of innovative teaching methodology : Debate

**Objectives** : To provide students and the valuable instructor information about current knowledge and provide the means to test progress towards learning objectives.

NPTEL/Youtube/Open domain etc Video Link :

**Outcome** : Debates serve as valuable forums for intellectual exchange, skilldevelopment, and constructive dialogue on a wide range of topics.

## Geotag photos



**Course Instructor**

Dr P.Rakesh Kumar

**Course Coordinator**

Dr P.Rakesh Kumar

**Module Coordinator**

Dr.T.Satyanarayana

**HOD**

Dr.G.Srinivasulu



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L.B.Reddy Nagar, Mylavaram-521230, NTR Dist, Andhra Pradesh, India.

Department of Electronics and Communication Engineering

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date:23/03/2024

### Topics Covered using Innovation teaching methodology

Name of Course Instructor : Dr P. Rakesh Kumar

Course Name & Code : Basic Electrical & Electronic Engineering

L-T-P Structure : 3-0-0 Credits 3

Program/Sem/Sec : E C E /II/A A.Y. :2023-24

Name of the Topic : **Basic Electronics**

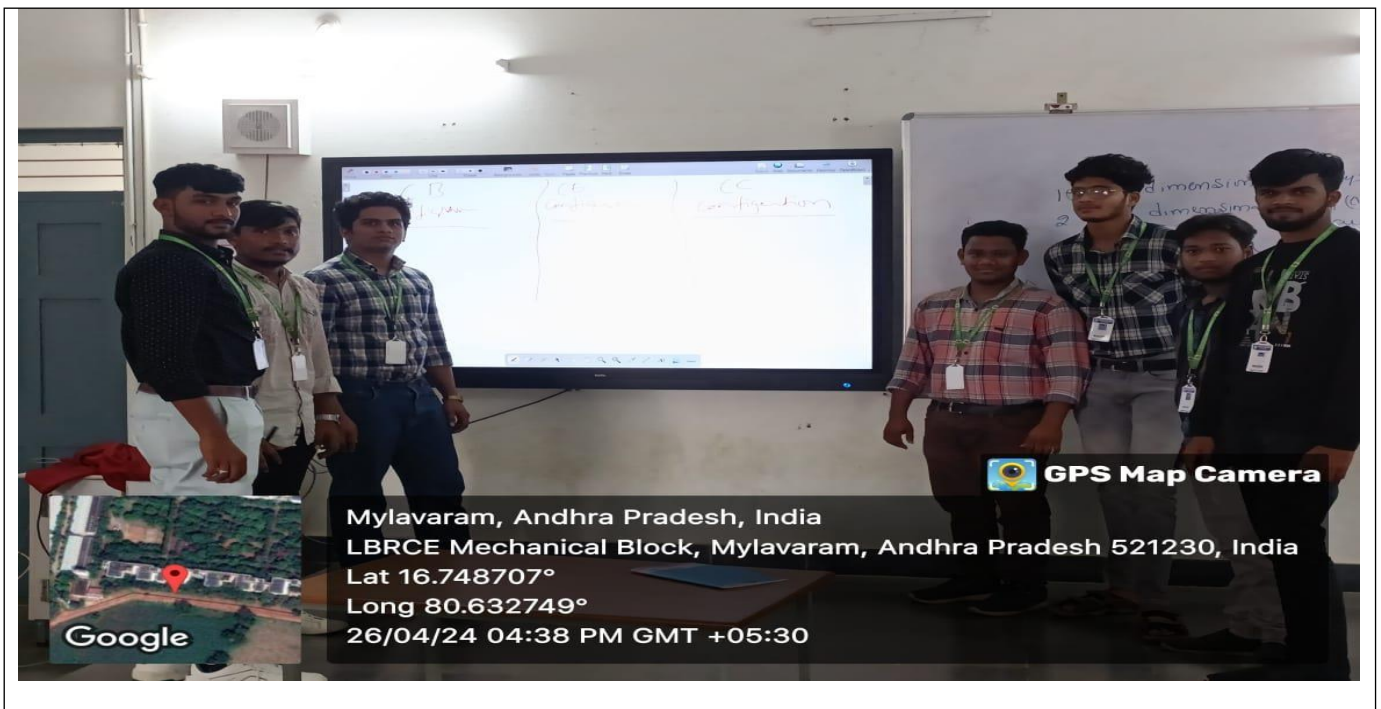
Type of innovative teaching methodology : Debate

**Objectives** : To promotes problem solving and innovative thinking, and helps students to build links between words and ideas that make concepts more meaningful.

**NPTEL/Youtube/Open domain etc Video Link :**

**Outcome** : Debates serve as valuable forums for intellectual exchange, skilldevelopment, and constructive dialogue on a wide range of topics.

Geotag photos



**Course Instructor**

Dr P.Rakesh Kumar

**Course Coordinator**

Dr P.Rakesh Kumar

**Module Coordinator**

Dr.T.Satyanarayana

**HOD**

Dr.G.Srinivasulu



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**  
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NAAC Accredited with CGPA of 3.20 on 4-point scale at 'A' Grade  
NIRF-2022 (Positioned in the Band of 251-300 in the Engineering Category)  
NIRF-2023 (Positioned in the Band of 101-150 in the Innovation Category)  
NBA Accredited under Tier-I (ECE, EEE, CSE, IT, ME, CIV, ASE)  
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L.B.Reddy Nagar, Mylavaram-521230, N.T.R Dist., Andhra Pradesh, India.  
**Department of Electronics and Communication Engineering**

Date:26.10.2024

**Topics Covered using Innovation teaching methodology**

Name of Course Instructor : Mr. CH.Mallikharjuna Rao  
Course Name & Code : STLD – 23EC04  
L-T-P Structure : 3-0-0-3 Credits: 3  
Program/Sem/Sec : B.Tech/ECE/III Sem-Sec-C A.Y. : 2024-25

**Name of the Topic** : Design of Shift registers

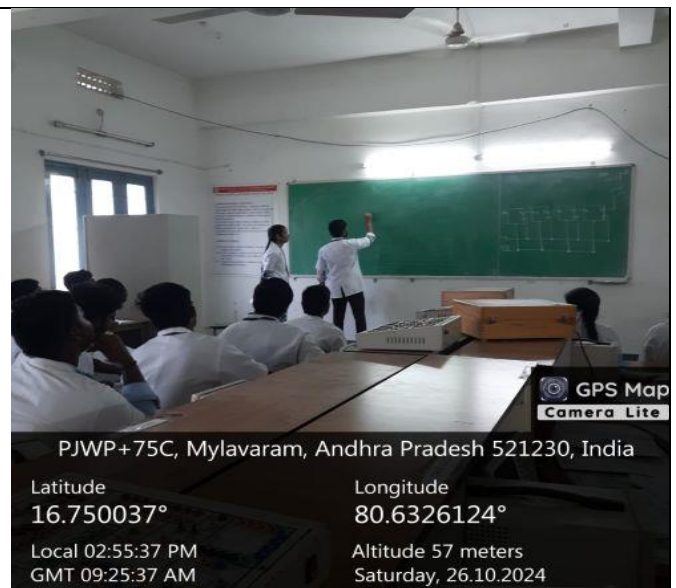
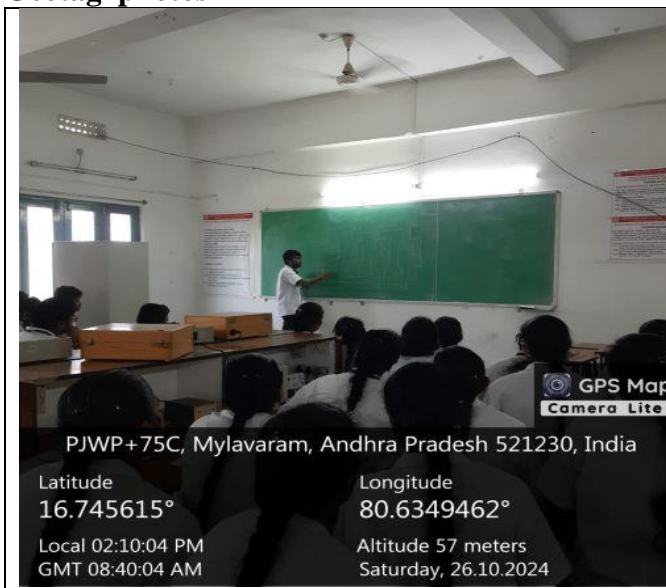
**Type of innovative teaching methodology** : Problem Solving Session

**Objectives** : Problem-solving session is helps to identify, analyze, and resolve issues or challenges effectively and efficiently by the students.

**NPTEL/ Youtube /Open domain etc Video Link** : ----

**Outcome:** Incorporating problem-solving activities into the classroom not only supports academic development but also prepares students with essential life skills for future challenges such as Enhanced Critical Thinking, Improved Collaboration Skills, Better Understanding of Subject Matter...etc.

**Geotag photos**



<b>Course Instructor</b> CH.Mallikharjuna Rao	<b>Course Coordinator</b> CH.Sivaramakrishna	<b>Module Coordinator</b> Dr. P.Lachi Reddy	<b>HOD</b> Dr. G. Srinivasulu
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**Department of Electronics and Communication Engineering**

Date: 30.10.2024

**Topics Covered using Innovation teaching methodology**

Name of Course Instructor : Mr. CH.Mallikharjuna Rao  
Course Name & Code : STLD – 23EC04  
L-T-P Structure : 3-0-0-3 Credits: 3  
Program/Sem/Sec : B.Tech/ECE/III Sem-Sec-C A.Y. : 2024-25

**Name of the Topic** : Design Synchronous & Asynchronous Counters

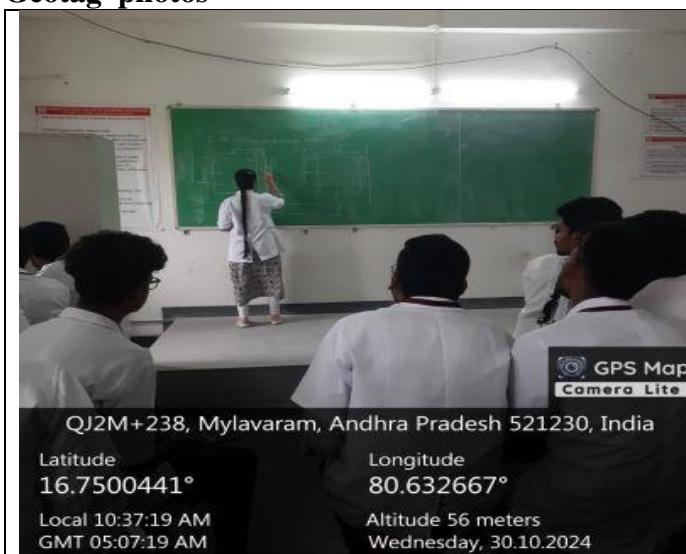
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**Geotag photos**



<b>Course Instructor</b>	<b>Course Coordinator</b>	<b>Module Coordinator</b>	<b>HOD</b>
CH.Mallikharjuna Rao	CH.Sivaramakrishna	Dr. P.Lachi Reddy	Dr. G. Srinivasulu



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**Department of Electronics and Communication Engineering**

Date:04.11.2024

**Topics Covered using Innovation teaching methodology**

Name of Course Instructor : Mr. CH.Mallikharjuna Rao  
Course Name & Code : STLD – 23EC04  
L-T-P Structure : 3-0-0-3 Credits: 3  
Program/Sem/Sec : B.Tech/ECE/III Sem-Sec-C A.Y. : 2024-25

**Name of the Topic** : Finite State Machines

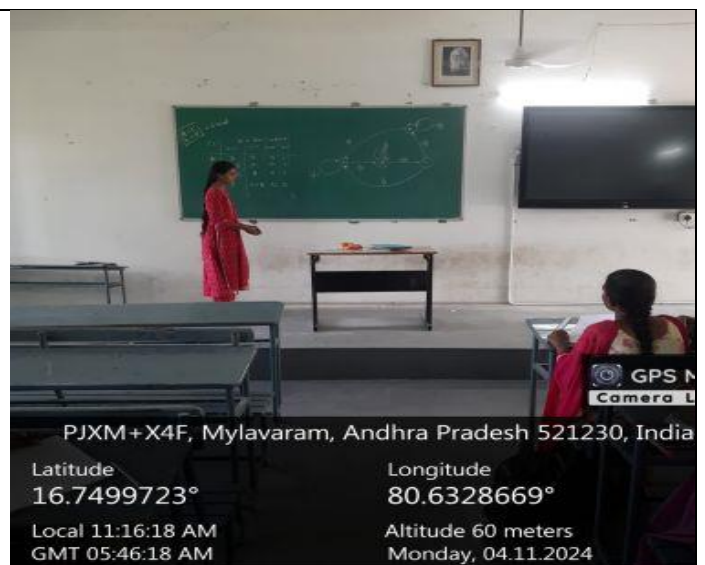
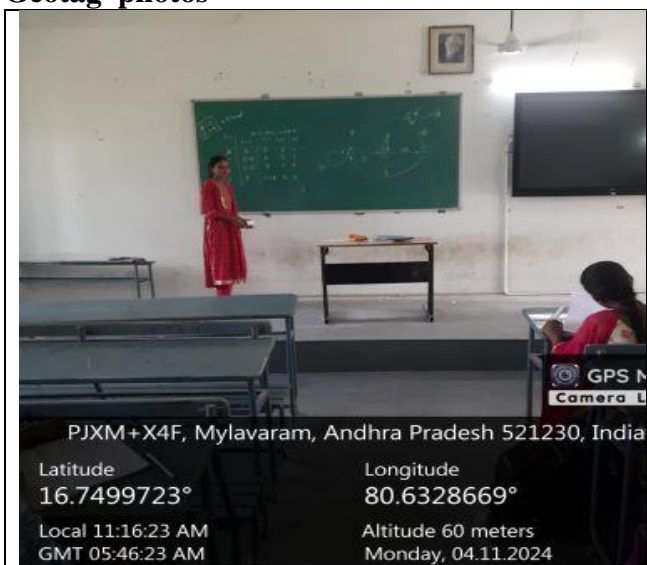
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