GOVERNMENT OF ANDHRA PRADESH

OFFICE OF THE
DIRECTOR OF TECHNICAL EDUCATION
ANDHRA PRADESH :: MANGALAGIRI

Cir.Memo.No. H/ Sector Edge Courses　　　　　06/12/2024

Sub:　Technical Education – Academic – Commencement of **Sector Edge Courses** for 4th semester polytechnic students – Mandated – Certain Instructions – Issued – Regarding.

Ref:　As per the instructions of DTE

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It is to inform that in today's rapidly evolving job market, polytechnic students must go beyond their core curriculum to acquire specialized skills that align with industry demands. Every region has distinct industrial clusters based on the local economy's needs. These clusters often require a workforce with diverse skill sets, not just from core branches but also from other disciplines that complement their operations.

To address these interdisciplinary demands, students must possess at least a foundational understanding of the concepts relevant to the industry they aspire to join. To this end, it is proposed to impart students with skills that they require based on the industrial cluster at their region. Accordingly, it is hereby introduce **Sector Edge Courses** for the 4th semester students of Polytechnics.

Sector Edge Courses are specialized add-on skill-courses tailored to address the specific needs of students based on industry clusters or sectoral demands. These courses focus on equipping students with relevant skills to excel in targeted domains by aligning their learning pathways with the needs of identified clusters/ sectors. These courses empower students to meet the challenges of an interconnected and interdisciplinary job market, giving them a competitive edge in recruitment.

Course Structure and Schedule

> **Timings:　Every Monday and Thursday, from 3:30 PM to 5:00 PM.**
>
> **Duration: 40 contact hours per course, comprising of 30 hours of theoretical instruction and 10 hours allocated for hands on training at relevant industry (to be conducted during the summer vacation).**

The list of Sector Edge Courses is annexed herewith. Do note that this list is neither exhaustive nor conclusive; additional Sector Edge Courses may be included in the due course upon vetting by relevant industry stakeholders. The said courses shall be commenced for all

branches listed in the annexure.

      In this connection, the Principals of Government Polytechnics listed in the annexure are hereby instructed to commence Sector Edge Courses at their Polytechnic with the existing faculty from **09.12.2024** and take necessary measures for smooth conduct of the same.

      In this context, the Regional Joint Directors of both AU and SVU Regions are hereby informed to oversee the seamless implementation of the Sector Edge Courses in their respective regions.

      Further, Secretary, SBTET, AP is hereby informed to issue curriculum for the annexed Sector Edge Courses and monitor the implementation and continuous assessment of the Sector Edge Courses.

      Strict adherence to these instructions is mandated, and progress shall be reviewed periodically.

DIRECTOR

Copy to
Principals of all Government Polytechnics
Regional Joint Directors, AU and SVU regions
Secretary, SBTET, AP for necessary action.

ANNEXURE
List of Sector Edge Courses

1. East & West Godavari

AQUA	Electrical	Food processing- Automation & SCADA	East & West Godavari

SI No	INST CODE	District	Name of the Polytechnic	Branch
1	10	East Godavari	Andhra Polytechnic, Kakinada	Electrical & Electronics
2	67	East Godavari	G.M.R. Polytechnic, Yetapaka	
3	528	East Godavari	Government Polytechnic, Draksharamam	
4	529	East Godavari	Government Polytechnic, Anaparthi	
5	531	East Godavari	GMR, Polytechnic, Rampachodavaram	

| 6 | 192 | West Godavari | Government polytechnic, Kalidindi | |
| 7 | 532 | West Godavari | GMR, Polytechnic, K.R. Puram | |

2. Chittoor

Electronics	Electrical	Industrial Automation, Safety Protocols, PLC & SCADA	Chittoor

SI No	INST CODE	District	Name of the Polytechnic	Branch
1	18	Chittoor	S.V. Govt Polytechnic, Tirupati	Electrical & Electronics
2	59	Chittoor	Government Polytechnic for Women, Palamaneru	Electrical & Electronics
3	101	Chittoor	Dr. Y C James Yen Govt Polytechnic, Kuppam	Electrical & Electronics
4	166	Chittoor	Government Polytechnic, Chandragiri	Electrical & Electronics
5	185	Chittoor	Government polytechnic, Satyavedu	Electrical & Electronics
6	200	Chittoor	Government Polytechnic, Kalikiri	Electrical & Electronics

3. North Andhra (Srikakulam, Vizianagaram & Visakhapatnam)

PHARMA	Chemical	Process Safety in Pharma Industry.	Visakhapatnam

SI No	INST CODE	District	Name of the Polytechnic	Branches
1	65	Visakhapatnam	Government Institute of Chemical Engineering, Visakhapatnam	Chemical Engineering

DIRECTOR