DEPARTMENT OF PRODUCTION ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-620015.

<table>
<tr><td colspan="5">COURSE OUTLINE</td></tr>
<tr><td>Course Title</td><td colspan="4">Engineering Graphics</td></tr>
<tr><td>Course Code</td><td>MEIR12</td><td colspan="2">No. of Credits</td><td>02</td></tr>
<tr><td>Department</td><td colspan="4">Production Engineering</td></tr>
<tr><td>Course Faculty</td><td colspan="4">Mr. A.Dhinakar (+91-9488043708),

Mr.G.Seshanand (+91-9003885275),

Mr. V. M. Vijay Aravindhan (+91-9788642965),

Mr. V. Chakkravarthy(+91-9677747673).</td></tr>
<tr><td>Course Type</td><td>Core course</td><td>✓</td><td>Elective course</td><td></td></tr>
<tr><td colspan="5">Course overview</td></tr>
<tr><td colspan="5">• Fundamental of Drawing and Standards.
• Geometrical Constructions and conic sections.
• Orthographic projections of points, lines, planes and solids.
• Sections, Intersections and developments of solids.
• Isometric and Perspective Projections.</td></tr>
<tr><td colspan="5">Course objectives</td></tr>
<tr><td colspan="5">• To practise construction methods of various geometric curves.
• To understand Orthographic Projection and orthographic views.
• To Construct Isometric views for corresponding orthographic views.

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COURSE TEACHING AND LEARNING ACTIVITIES				
S. No	**Week**	**Date**	**Topic**	**Mode of Delivery**
1.	1st Week	-	Conic Sections	Practical
2.	2nd Week	-	Cycloids	
3.	3rd Week	-	Projection of Points	
4.	4th Week	-	Projection of Lines	
5.	5th Week	-	Projection of Planes	
6.	6th Week	-	Projection of Solids	
7.	7th Week	-	Sections of solids and Development of surfaces	
8.	8th Week	-	Isometric Projections	

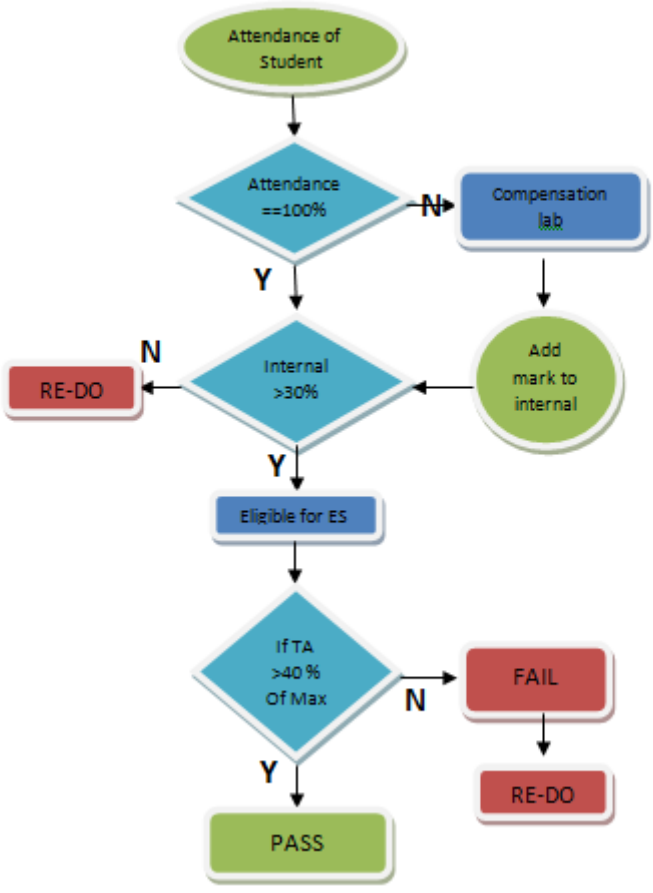
COURSE ASSESSMENT METHODS				
S.No.	**Mode of Assessment**	**Syllabus**	**Duration**	**% Weightage**
1	Regular practical lab	-	*150 Minutes	75
2	End Practical Examinations	-	180 Minutes	25
Total Assessment			23 Hrs	100

*150 minutes for one experiment (Total – 8 Expt.)

ASSESSMENT

1. Attending all the assessments is MANDATORY for every student.
2. If any student is not able to attend any of the Lab section due to genuine reason, student is permitted to attend the compensation Lab at the end of the semester
3. Students are expected to score minimum 30% of the maximum mark of the class in the internals to attend the end semester examination in addition to the attendance requirement.
4. Finally, every student is expected to score minimum 40% of the maximum mark of the class in the total assessment (internal and external) to pass the course. Otherwise the student would be declared fail and 'F' grade will be awarded. Further he can take up only re-do or summer term course.

Refer the following flow chart for more clarity:



ACADEMIC HONESTY & PLAGIARISM

1. All the students are expected to be genuine during the course work. Taking of information by means of copying simulations, assignments, looking or attempting to look at another student's paper or bringing and using study material in any form for copying during any assessments is considered dishonest.
2. Tendering of information such as giving one's program, simulation work, assignments to another student to use or copy is also considered dishonest.
3. Preventing or hampering other students from pursuing their academic activities is also considered as academic dishonesty.
4. Any evidence of such academic dishonesty will result in the loss of marks on that assessment. Additionally, the names of those students so penalized will be reported to the class committee chairperson and HoD of the concerned department.
5. Students who honestly producing ORIGINAL and OUTSTANDING WORK will be REWARDED.

ADDITIONAL COURSE INFORMATION

The faculty is available for consultation at times as per the intimation given by the faculty.

FOR APPROVAL

Course Faculty _____ CC-Chairperson _____ HOD _____

Dean (Academic) **Director**