Course Title:	**Electrical & Electronics Engineering Materials**		
Course Code:	**DIP-321**		
Program:	**Diploma**		**Semester -III**
Credits:	**T-4**	**P-Nil**	**Total-4**
Course Outcome			
1	**Properties and applications of various conducting Materials**		
2	**Properties and applications of various Insulating Materials**		
3	**Properties and applications of various Magnetic Materials**		
4	**Properties and applications of various Semiconductor Materials**		
5	**Properties and applications of various Special Purpose Materials**		

Course Title:	**Electrical Machine - I**		
Course Code:	**DEE-302**		
Program:	**Diploma**		**Semester III**
Credits:	**T-4**	**P-2**	**Total= 06**
Course Outcome			
1	**An ability to use technical study and concepts learnt during the graduation practically in the D.**		
2	**Become Familiar with the curricular structure of Single Phase Transformer**		
3	**Become Familiar with the curricular structure of Three Phase Transformer Connection**		
4	**Acquire knowledge about various types of Three Phase Machines - Generator, Motor and 3 Ph**		
5	**Acquire knowledge about various types of Single Phase Induction Motors**		

Course Title:	**Electrical Instrumentation**		
Course Code:	**DEE-303**		
Program:	**Diploma**		**Semester : III**
Credits:	**T-4**	**P-2**	**Total-6**
Course Outcome			
1	**Classification of measuring instruments and types of errors**		
2	**Construction and operation of electrical measuring instruments,shunt and multipliers**		
3	**Detail description of wattmeter and energy meter in balanced and unbalanced condition**		
4	**Measurement of resistance and importance of earth resistance**		
5	**Measurement of inductance and capacitance,construction of frequency meter**		

Course Title:	**Electronic Circuit**		
Course Code:	**DEE-304**		
Program:	**Diploma**		**Semester III**
Credits:	**T-4**	**P -2**	**Total =6**
Course Outcome			
1	**Discussion about feedback amplifiers.**		
2	**Discussion about oscillators.**		
3	**Discussion about power amplifiers.**		
4	**Discussion about FET construction.**		
5	**Introduction of differential amplifier and it's applications.**		

Course Title:	**Electrical Circuit Analysis**		
Course Code:	**DIP-325**		
Program:	**Diploma**		**Semester: III**
Credits:	**T-4**	**P-2**	**Total-6**
Course Outcome			
1	**Introduction & discussion of D.C. network theory circuits & its concept**		
2	**Introduction & discussion of A.C. network theory**		
3	**Concept of resonance in A.C. circuits**		
4	**Discussion about phase A.C. circuits**		
5	**discussion about steady state analysis**		
Course Title:	**Electrical Workshop**		
Course Code:	**DEE-306**		
Program:	**Diploma**		**Semester-III**
Credits:	**T-Nil**	**P-4**	**Total-4**
Course Outcome			
1	**Connection of various electrical components for domestic and industrial purpose.**		
2	**Understand basic construction and operation of various laboratory equipments.**		
3	**Identify and understand importance of various electrical and electronics components.**		
4	**Understanding of various electrical and electronic components for making various projects.**		
5	**Perform basic maintenance and troubleshooting of house hold equipments, energy saving etc.**		

Course Title:	**Professional Skill-I**		
Course Code:	**DIP-307**		
Program:	**Diploma**		**Semester-III**
Credits:	**T-Nil**	**P-2**	**Total-2**
Course Outcome			
1	**Team Work and Leadership qualities of a Leader**		
2	**Task Planning and its Execution**		
3	**Business communication and its necessary skills**		
4	**Various forms of Communication**		
5	**Report writing and its various formats**		