

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:	Digital Electronics-I		
Course Code:	DEC-302		
Program:	Diploma		Semester III
Credits:	T-4	P-2	Total= 06
Course Outcome			
1	To understand about code conversion and 1's,2's,9's and 10's complement.		
2	To know about binary,weighted,non-weighted,excess 3 code,gray code and BCD code.		
3	To know about different types of codes,boolean algebra law & De morgan's theorem.		
4	To understand about boolean function and boolean law.		
5	To know about combinational logic circuit,adder,subtractor & decoder.		

Course Title:	Electronics Devices & Circuits-I		
Course Code:	DEC-303		
Program:	Diploma		Semester : III
Credits:	T-4	P-2	Total-6
Course Outcome			
1	To be able to understand the Semiconductors and their types		
2	To understand the P-N junction diode		
3	To get to know about various diodes with the help of their construction & working		
4	To be able to understand about the applications of various diodes & transistors		
5	To understand the construction & working of Bipolar junction transistor		

Course Title:	Electronic Instrumentation		
Course Code:	DEC-304		
Program:	Diploma		Semester III
Credits:	T-4	P -2	Total =6
Course Outcome			
1	Basic Knowledge of measuring instruments parameters.		
2	To understand how different types of bridges used and its application.		
3	To know how signals are generated using different signal generators and their analysis.		
4	Introduction of CRO and its applications.		
5	To know how one form of energy is converted into other form by Transducers.		

Course Title:	Electronics 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:	Electronic Workshop		
Course Code:	DEC-306		
Program:	Diploma	Semester-III	
Credits:	T-Nil	P-4	Total-4
Course Outcome			
1	Introduction of Various Electronic Components		
2	Introduction of Various Electronic Equipments		
3	Various Soldering Techniques		
4	Able to Understand PCB Layouts and its Design		
5	To Provide ability to design Minor Project		

Course Title:	Professional Skill-I		
Course Code:	DEC-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		