



**UTTARAKHAND BOARD OF TECHNICAL EDUCATION**  
**JOINT ENTRANCE EXAMINATION AND TRAINING, RESEARCH DEVELOPMENT CELL, DEHRADUN**  
**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME**

**BRANCH NAME – ELECTRICAL ENGINEERING**

**SEMESTER – VI**

Subject Code	Subject	L	T	P	T O T	EVALUATION SCHEME						Total Marks	Credit Point
						Internal			External				
						Theory	Practical	Theory		Practical			
						Max Marks	Max Marks	Max Marks	Hrs.	Max Marks	Hrs.		
Period/Weeks													
086004	Utilization of Electrical Energy	5	-	3	8	20	30	50	2.5	50	3.0	150	7
086001	Non-Conventional Energy Sources	5	-	3	8	20	30	50	2.5	50	3.0	150	7
086003	SCADA, PLC & Microcontrollers	5	-	3	8	20	30	50	2.5	50	3.0	150	6
086002	Application of Computer Software in Electrical Engineering	4	-	4	8	20	25	50	2.5	50	3.0	145	6
086005	Project Work	-	-	8	8	-	80	-	-	200	4.0	280	4
086052	Industrial Exposure (Assessment at Institute Level) +	-	-	-	-	-	25	-	-	-	-	25	3
016054	General Proficiency #	-	-	4	4	-	25	-	-	-	-	25	1
016055	Employability Skills	4	-	-	4	25	-	50	2.5	-	-	75	1
<b>Total</b>		<b>23</b>	<b>-</b>	<b>25</b>	<b>48</b>	<b>105</b>	<b>245</b>	<b>250</b>	<b>-</b>	<b>400</b>	<b>-</b>	<b>1000</b>	<b>35</b>

# General Proficiency will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, NCC, NSS, and cultural activities etc.

+ Industrial visit compulsory to minimum 2 Industries or Departments.

**Note:** 1. Each period will be 50 minutes. 2. Each session will be of 16 weeks. 3. Effective teaching will be at least 12.5 weeks.

**Branch Code - 08**