Discipline **Electronics & Telecommunication Engg.**	Semester: - **4th**	Name of the Teaching Faculty: - Lipipuspa Behera & Biswanita Sahu
Subject: - ELECTRICAL MACHINE LAB	No of Days/per Week Class Allotted: - **4p/week**	Semester From: 14th February 2023 to 23rd May 2023 No. of weeks:15 weeks
Week	**Class Day**	**Theory/ Practical Topics**
1st	1st	1. Study different parts of DC Generator. (theory)
	2nd	1. Study different parts of DC Generator. (practical)
2nd	1st	2. Run a DC shunt Generator (theory)
	2nd	2. Run a DC shunt Generator (practical)
3rd	1st	3. Connect and run DC Motor (series, shunt and compound motor with suitable stators connections & measure speed.). (theory)
	2nd	3. Connect and run DC Motor (series, shunt and compound motor with suitable stators connections & measure speed.) (practical)
4th	1st	3. Connect and run DC Motor (series, shunt and compound motor with suitable stators connections & measure speed.) (practical)
	2nd	3. Connect and run DC Motor (series, shunt and compound motor with suitable stators connections & measure speed.) (practical)
5th	1st	4. Study 3 point & 4 point starter. (theory)
	2nd	4. Study 3 point & 4 point starter. (practical)
6th	1st	4. Study 3 point & 4 point starter. (practical)
	2nd	5. Study speed Control of DC shunt motor(field and armature control method) (theory)
7th	1st	5. Study speed Control of DC shunt motor(field and armature control method) (practical)
	2nd	5. Study speed Control of DC shunt motor(field and armature control method) (practical)
8th	1st	6. Parallel operation of DC generators. (theory)
	2nd	6. Parallel operation of DC generators. (practical)
9th	1st	7. Connect & run a 3- I.M. with the help of DOL & star-delta stator. (theory)
	2nd	7. Connect & run a 3- I.M. with the help of DOL & star-delta stator. (practical)
10th	1st	7. Connect & run a 3- I.M. with the help of DOL & star-delta stator. (practical)
	2nd	8. Determine voltage regulation of transformer by direct loading. (theory)
11th	1st	8. Determine voltage regulation of transformer by direct loading. (practical)
	2nd	9. Identify the terminals of a transformer perform short circuit & open circuit test & find the losses & efficiency. (theory)
12th	1st	9. Identify the terminals of a transformer perform short circuit & open circuit test & find the losses & efficiency. (practical)
	2nd	9. Identify the terminals of a transformer perform short circuit & open circuit test & find the losses & efficiency. (practical)
13th	1st	10. Parallel operation of Transformers(only single Phase) (theory)
	2nd	10. Parallel operation of Transformers(only single Phase) (practical)
14th	1st	11. Construct switch board& Series Board using cut-out, switches, plugs, holder and two ways Switch. (theory)
	2nd	11. Construct switch board& Series Board using cut-out, switches, plugs, holder and two ways Switch. (practical)
15th (EXTRA CLASS)	1st	11. Construct switch board& Series Board using cut-out, switches, plugs, holder and two ways Switch. (practical)
	2nd	11. Construct switch board& Series Board using cut-out, switches, plugs, holder and two ways Switch. (practical)

Signature of Teaching Faculty