



SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Department of Electrical and Electronics

Number of programmes where syllabus revision was carried out

SL. NO.	COURSE CODE	COURSE OFFERED
1	SEE4053	AC Machines Lab

Name of the Course: **AC MACHINES LAB**

Course Code : **SEE4053**

Unit	Content	Remarks
	<p>SUGGESTED LIST OF EXPERIMENTS</p> <ol style="list-style-type: none"> 1. Regulation of Alternator by EMF and MMF method 2. Regulation of Alternator by Potier method 3. Regulation of salient pole Alternator by slip test 4. Load test on 3 phase Alternator 5. Synchronizing and parallel operation of three phase Alternator with infinite bus bar 6. V curve and inverted V curves of synchronous motor 7. Brake load test on Three phase squirrel cage induction motor 8. Load test on Three phase slip ring induction motor 9. Load test of Single phase induction motor 10. Equivalent circuit of Single phase induction motor 11. Circle diagram and performance of Three phase induction motor 12. Study on Characteristics of induction generator <p>SUGGESTED LIST OF EXPERIMENTS</p> <ol style="list-style-type: none"> 1. Regulation of Alternator by EMF and MMF method 2. Regulation of Alternator by Potier method 3. Regulation of salient pole Alternator by slip test 4. Load test on 3 phase Alternator 5. Synchronizing and parallel operation of three phase Alternator with infinite bus bar 6. V curve and inverted V curves of synchronous motor 7. Brake load test on Three phase squirrel cage induction motor 8. Load test of Single phase induction motor 9. Equivalent circuit of Single phase induction motor 10. Circle diagram and performance of Three phase induction motor 	<p align="center">Theory related experiments are included</p>