



SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Accredited with B⁺⁺ Grade by NAAC

(A CHRISTIAN MINORITY INSTITUTION)

Jeppiaar Nagar, Old Mamallapuram Road, Chennai 600 119.



FACULTY OF ELECTRICAL AND ELECTRONICS

Minutes of Board of Studies Meeting held on 05-11-2016

Venue: Conference Hall, Central Library, Sathyabama University, Chennai-119

- The Faculty Head, Dr.E.Logashanmugam greeted and welcomed all members of Board of studies. The HODs of ECE, EEE, E&I, E&C and ETCE under the Faculty of Electrical and Electronics, Staff members from the faculty attended the meeting to have an effective interaction with the members as and when required.
- Dr.V.Sivachidambaranathan, Prof.& Head, Dept. of Electrical and Electronics Engineering requested Dr.Rameshbabu, Faculty/EEE to present the curriculum revisions before the board.
- He presented the old and new syllabus for AC machines Lab before the board and discussed the valid additions made in the syllabus.
- The meeting ended with vote of thanks from the Faculty Head Dr.E.Logashanmugam.

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 method2. Regulation of Alternator by Potier method3. Regulation of salient pole Alternator by slip test4. Load test on 3 phase Alternator5. Synchronizing and parallel operation of three phase Alternator with infinite bus bar6. V curve and inverted V curves of synchronous motor7. Brake load test on Three phase squirrel cage induction motor8. Load test on Three phase slip ring induction motor9. Load test of Single phase induction motor10. Equivalent circuit of Single phase induction motor11. Circle diagram and performance of Three phase induction motor12. 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 method2. Regulation of Alternator by Potier method3. Regulation of salient pole Alternator by slip test4. Load test on 3 phase Alternator5. Synchronizing and parallel operation of three phase Alternator with infinite bus bar6. V curve and inverted V curves of synchronous motor7. Brake load test on Three phase squirrel cage induction motor8. Load test of Single phase induction motor9. Equivalent circuit of Single phase induction motor10. Circle diagram and performance of Three phase induction motor	<p>Theory related experiments are included</p>