



K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

An Autonomous Institution

Affiliated to Anna University Chennai, Approved by AICTE New Delhi,
ISO 9001:2015 & ISO 14001:2015 Certified Institution, Accredited with 'A+' grade by NAAC

Samayapuram, Tiruchirappalli – 621 112, Tamilnadu, India.

Format No.: TLP-05
Issue No.:01
Issue Date: 01.09.21

ACADEMIC YEAR : 2022-23 **DEPARTMENT** : EEE
PROGRAMME : B.E. **SEMESTER** : VII
COURSE CODE : OML751 **COURSE TITLE** : Testing of Materials
COURSE INSTRUCTORS : Mr. S.Dinesh

CASE STUDY

S.no.	Description	CO	Blooms Taxonomy Level
1	A guide to electrical materials	CO1	BTL 2
2	Selection of Electrical Engineering Materials?	CO1	BTL 4
3	Selection of Materials Used for Electrical Contacts	CO1	BTL 4
4	Electric Motor Material: Designing Rotor & Stator Components	CO1	BTL 2
5	Materials Used for Heating Elements	CO1	BTL 2

COURSE COORDINATOR **CC-HEAD** **IQAC COORDINATOR** **HOD**



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CASE STUDY

S.no.	Description	CO	Blooms Taxonomy Level
1	Tensile Test of Electrical Conductors	CO2	BTL 2
2	Low-Cycle Fatigue Testing for Electric Motors	CO2	BTL 2
3	Material Testing in the Electronics Industry	CO2	BTL 2

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CASE STUDY

S.no.	Description	CO	Blooms Taxonomy Level
1	Non-Destructive Testing of Green Ceramic Materials	CO3	BTL 2
2	Non destructive testing of high voltage cables by non-electrical methods	CO3	BTL 2
3	NDT failure analysis for wires/ cables	CO3	BTL 2
4	Non Destructive Tests for Induction Machine Faults Diagnosis	CO3	BTL 2

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CASE STUDY

S.no.	Description	CO	Blooms Taxonomy Level
1	Differential Thermal Analysis of Nickel-Base Superalloys	CO4	BTL 2
2	Application of Scanning Electron Microscopy in Metal Material Detection	CO4	BTL 2
3	Application of transmission electron microscopy to the clinical study of viral and bacterial infections: Present and future	CO4	BTL 2

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CASE STUDY

S.no.	Description	CO	Blooms Taxonomy Level
1	Dynamic Mechanical Analysis (DMA) - Beginners Guide	CO5	BTL 2
2	Applications and Solutions of ICP Spectroscopy	CO5	BTL 2

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