



J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

An Autonomous Institution • Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Recognized 2(f) Status by UGC • Accredited by NAAC with 'A' Grade • ISO 9001:2015 Certified Institution
T.N.PALAYAM (PO), GOBI (TK), ERODE (DT), TAMILNADU, INDIA – 638 506 | www.jkkmct.edu.in | 04285 260754 / 260755

Venue: JKKMCT Board Room

DATE: 26/07/2024

FIRST BOARD OF STUDIES MEETING MINUTES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

J. K. K. Munirajah College of Technology (Autonomous), T.N.Palayam has conducted the Board of Studies meeting for the DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING as per the guidelines of UGC on 26-07-2024 (Friday) at 10.30 am onwards in our board room.

The Following are the Members of Board of Studies:

S.NO	NAME, DESIGNATION & ADDRESS	CATEGORY
1	Dr. C. Saravanan , Professor / Head, Department of Electrical and Electronics Engineering, J.K.K. Munirajah College of Technology, T.N. Palayam, Gobi TK, Erode DT.	Chairperson
2	Dr. P. Maruthupandi , Associate Professor , Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore.	University Nominee
3	Dr. K. Ilango , Associate Professor, Department of Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham School of Engineering, Coimbatore.	Subject Expert
4	Dr. K. Chitra , Dean – IQAC, Professor / Head of the Department, Department of Electrical and Electronics Engineering, CMR Institute of Technology, Bangalore	Subject Expert
5	Dr. K. Sathiyasekar , Director/Admissions, K.S.R. Educational Institutions, Tiruchengode, Namakkal DT, Tamilnadu.	Special Invitee Academic Expert
6	Mrs. M. Vimala Devi , Product Consultant-Firmware Caliber Embedded Technologies Pvt. Limited, Angammal Colony, Salem, Tamil Nadu 636009.	Representative from Industry
7	Er. Surya Palanisamy , Engineer Bosch Global Software Technologies Private Limited, Keeranatham, Coimbatore, Tamil Nadu - 641035, India	Meritorious Alumni
8	Mr. T.S. Thambiran Associate Professor, Department of EEE, JKKMCT	Internal Member
9	Mr. S.M. Pranesh Assistant Professor, Department of EEE, JKKMCT	Internal Member
10	Mr. A.Vigneshkumar Assistant Professor, Department of EEE, JKKMCT	Internal Member
11	Ms. N. Mekala Assistant Professor, Department of EEE, JKKMCT	Internal Member



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Dr. K. Sridharan, Principal, J. K. K. Munirajah College of Technology welcomed the Members of Board of Studies for the Department of Electrical and Electronics Engineering in the First Meeting. The Chairman of Board Dr. C. Saravanan, Head, Department of Electrical and Electronics Engineering, J. K. K. Munirajah College of Technology introduced the internal members to Committee and presented the draft syllabus to the committee members.

The Meeting proceeded to the matters in Agenda:

S.NO	POINTS DISCUSSED (UG COURSE-EEE)
1.	GENERAL SUGGESTIONS: <ul style="list-style-type: none">• In Autonomous syllabus 80 % A.U. syllabus and 20 % desired syllabus.• Fraction points not include in curriculum and syllabus.• Make credit points in bell shape for SEM I to SEM VIII• If practical session 3 hours means 1.5 credits.• If practical session 2 hours means 1 credit.• If tutorial session 1 hours means 1 credits.• Allocate internal 50 marks and external 50 marks for theory cum lab subjects.• Don't bring the elective subject as theory cum lab subjects and elective must be in 3 credit.• Instead of physics II, BCM and engineering graphics add desired subjects.• Reduce the weightage of 4th semester.• Add professional elective subject from 5th semester onwards.• Instead of HVDC FACTS add E-Vehicle or Renewable Energy Resources• Add mini project in 6th semester.• Add ethics paper in management course-II• List out the open elective subject for other department.• Use Minor degree and Honours, who all are get above 8 CGPA in overall semesters.• Make technical paper writing as Mandatory II courses.• Mapping should be satisfies with Blooms taxonomy.
2.	24EE204 - ELECTRIC CIRCUIT ANALYSIS <ul style="list-style-type: none">• Don't remove phasor diagram in unit 1.• Add with energy source with independent and dependent source, Mesh and nodal analysis for DC and AC and average and RMS Value.• Add Interchange third and fourth unit.• Add star delta conversion change form Unit 5 to Unit 2.• Remove Advantages and Disadvantages of DC and AC Circuits.
3.	24EP203 - ENGINEERING PRACTICES LABORATORY <ul style="list-style-type: none">• EP Lab can move from semester 2 to semester 1 for all departments (or) Separate partially for circuit branches and non-circuit branches.



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4.	<p>24EE201 - BASIC ELECTRICAL AND ELECTRONICS ENGINEERING</p> <ul style="list-style-type: none"> • Remove structure of power system in unit 1. • Remove braking of motor and motor characteristics in unit 2. • Add necessity of stators instead of stators types. • Add alternator in AC machines. • Remove SCR, MOSFET, IGBT, PV cell, rectifier, inverter and thin film technology in unit 4. • Include BJT construction and working principle in unit 4. • Remove application oriented machines (Laser Range finder, Drilling machine, cutting machine) in unit 5.
5.	<p>24EE202 - BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY</p> <ul style="list-style-type: none"> • Add load test on shunt generator instead of separately excited DC generator. • Add study of starters as last experiment.
<p>POINTS DISCUSSED (PG COURSE-ME (Power Electronics & Drives))</p>	
6.	<p>General suggestions:</p> <ul style="list-style-type: none"> • Add research methodology instead of HVDC and FACTS. • Change project work as project Phase-I and project Phase-II. • Add technical Seminar presentation as Laboratory and give credit 1. • Separate audit course and employability course.
7.	<p>24PED11 - ANALYSIS OF ELECTRICAL MACHINES</p> <ul style="list-style-type: none"> • Change the subject name from analysis of electrical machines to modeling of electrical machines. • Move Krons primitive machine to unit 1. • Rearrange the units 2 & 3. • Add historical background in unit 3. • Add electrical machines by B. S. Bimbira in book reference.
8.	<p>24PED12 - ANALYSIS OF POWER CONVERTERS</p> <ul style="list-style-type: none"> • Combine the unit 1,2 and make as unit 1 (AC to DC Converters) • Make second unit as a DC-DC converter. • Combine the unit 3,4 and make as unit 3 (Single Phase & Three phase Inverters) • Change the unit name of Control Techniques of Inverters in unit 4. • Change the unit name of multilevel inverter in unit 5. • Add Mohammed Rashid Book, B.S Bimbira and Uma Anand, M.D. Singh & Kanjanchani in book reference.
9.	<p>24PED13 - GRID INTEGRATION OF RENEWABLE ENERGY SOURCES</p> <ul style="list-style-type: none"> • Don't give introduction as unit Title • Remove concept mini/micro grids and smart grids, Network voltage management.



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	<ul style="list-style-type: none">• Change the Subject contents.• Use Recent Edition Reference Books.
10.	24PED21 - ANALYSIS OF ELECTRICAL DRIVES <ul style="list-style-type: none">• Remove the topics DC motors types, induced emf, speed torque relations and Ward Leonard control in unit 1.• Add the topics P, PI, and PID Controller in unit 3.• Add Field oriented control SVM in unit 4.• Add SVPWM techniques after PWM.• Add R. Krishnan, "Electric Motor drives-Modeling, Analysis and control" in book reference.
11.	24PED22 - SPECIAL ELECTRICAL MACHINES <ul style="list-style-type: none">• Rearrange the units.
12.	24PED23 - ELECTRIC VEHICLES AND POWER MANAGEMENT <ul style="list-style-type: none">• Add the topics V2G and G2V technologies in Unit 5.

Note: All the above suggestions given by the BOS members have been taken care of and included in the Autonomous Syllabus in the academic year 2024 – 2025.



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1ST BOARD OF STUDIES MEETING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE: 26/07/2024, Venue: JKKMCT Board Room





ATTENDANCE

S.NO	NAME, DESIGNATION & ADDRESS	CATEGORY	SIGNATURE
1	Dr. C. Saravanan , Professor / Head, Department of Electrical and Electronics Engineering, J.K.K. Munirajah College of Technology, T.N. Palayam, Gobi Tk, Erode Dt.	Chairperson	 26/07/24
2	Dr. P. Maruthupandi , Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore.	University Nominee	 26/7/24
3	Dr. K. Ilango , Associate Professor, Department of Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham School of Engineering, Coimbatore.	Subject Expert	 26/07/24
4	Dr. K. Chitra , Dean – IQAC, Professor / Head of the Department, Department of Electrical and Electronics Engineering, CMR Institute of Technology, Bangalore	Subject Expert	 26/7/24
5	Mrs. M. Vimala Devi , Product Consultant- Firmware Caliber Embedded Technologies Pvt. Limited, Angammal Colony, Salem, Tamil Nadu 636009.	Representative from Industry	 26/7/24.
6	Dr. K. Sathiyasekar , Director/Admissions, K.S.R. Educational Institutions, Tiruchengode, Namakkal Dt, Tamilnadu.	Special Invitee Academic Expert	 26/7/24
7	Er. Surya Palanisamy , Engineer Bosch Global Software Technologies Private Limited, Keeranatham, Coimbatore, Tamil Nadu - 641035, India	Meritorious Alumni	 26/7/24



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9	Mr.S.M.Pranesh Assistant Professor Department of EEE, JKKMCT	Internal Member	
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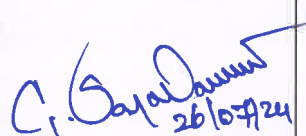

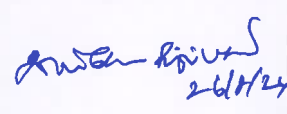

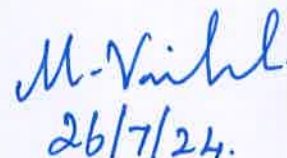

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CERTIFICATE

The B.E/ B.TECH / ME Syllabus of the courses offered by the Department of Electrical and Electronics Engineering, J.K.K.Munirajah College of Technology (Autonomous and Affiliated to Anna university) for 2024-2025 admission onwards, has been ratified by the Board of Electrical and Electronics Engineering which held on 26.07.2024 at 10.30 am.

Members Present:

S.NO	NAME, DESIGNATION & ADDRESS	CATEGORY	SIGNATURE
1	Dr. C. Saravanan , Professor / Head, Department of Electrical and Electronics Engineering, J.K.K. Munirajah College of Technology, T.N. Palayam, Gobi Tk, Erode Dt.	Chairperson	 26/07/24
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9	Mr.S.M.Pranesh Assistant Professor Department of EEE, JKKMCT	Internal Member	<i>S.M. Pranesh</i> 26/7/24
10	Mr.A.Vigneshkumar Assistant Professor Department of EEE, JKKMCT	Internal Member	<i>A. Vigneshkumar</i> 26/7/24
11	Ms. N. Mekala Assistant Professor Department of EEE, JKKMCT	Internal Member	<i>N. Mekala</i>

