



# 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

DATE: 12/07/2024

Venue: JKKMCT Board Room

## FIRST BOARD OF STUDIES MEETING MINUTES

### DEPARTMENT OF SCIENCE AND HUMANITIES

J.K.K.Munirajah College of Technology (Autonomous), T.N.Palayam has conducted the meeting of Board of Studies for the DEPARTMENT OF SCIENCE AND HUMANITIES as per the guidelines of UGC on 12-07-2024 (Friday) at 10.30am onwards in our board room

The Following are the Members of Board of Studies:

S.NO	NAME, DESIGNATION & ADDRESS	CATEGORY
1	Mr.M.Ponnusamy, Assistant Professor / Head of the Department - S&H.	Chairperson
2	Dr. R. Bakkiyaraj, Associate Professor, Department of Physics, Government College of Engineering, Bargur, Krishnagiri - 635 104.	University Nominee
3	Dr.M.Deivanayaki, Associate Professor in Mathematics Department of Science and Humanities, Karpagam Academy of Higher Education, Coimbatore.	Subject Expert
4	Dr.J.Prabhu, Assistant Professor, Department of Physical Science, Karunya Institute of Technology and Sciences, Coimbatore.	Subject Expert
5	Dr.S.Gnanavel, Synthetic chemist, Chemkovil Research Centre, Mettur Dam.	Representative from Industry



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6	<b>Dr.K.Saravanan, Associate Professor and Head, Department of English, Excel Engineering college, Komarapalayam – 637 303</b>	<b>Special Invitee Academic Expert</b>
7	<b>Mr.S.Karthi, Relationship Officer- Retail Sales, Direct Channel, Sbicap securities,Nambiyur.</b>	<b>Meritorious Alumni</b>
8	<b>Mr.S.Anbuthangam Assistant Professor Department of Tamil, JKKMCT</b>	<b>Internal Member</b>
9	<b>Mrs.S.Poornima Assistant Professor Department of English, JKKMCT</b>	<b>Internal Member</b>
10	<b>Mrs.M.Senbagam Assistant Professor Department of Chemistry, JKKMCT</b>	<b>Internal Member</b>
11	<b>Mrs.R.Shanthi Assistant Professor Department of Mathematics, JKKMCT</b>	<b>Internal Member</b>
12	<b>Mrs.M.Kavitha Assistant Professor Department of Physics, JKKMCT</b>	<b>Internal Member</b>





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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 Science and Humanities in the First Meeting.

The Chairman of Board Mr.M.Ponnuusamy, Head, Department of Science and Humanities, J.K.K.Munirajah College of Technology introduced the internal members to the Committee and presented the draft syllabus to the committee members.

The Meeting proceeded to the matters in Agenda:

S.NO	POINTS DISCUSSED
1	<p><b><u>Common Points:</u></b></p> <ul style="list-style-type: none"><li>• Mandatory course and startup management can be in the 3<sup>rd</sup> or 4<sup>th</sup> semester.</li><li>• Total credit points for both 1<sup>st</sup> and 2<sup>nd</sup> semester programmes should be around 40 points.</li><li>• Experts are suggested to reduce the subject to avoid the burden for students</li><li>• Credit level should be same for all common subjects in the curriculum.</li><li>• It is advised to check course outcomes, objectives and po, co mapping.</li><li>• Reference books should be updated as per new edition.</li></ul>
2	<p><b><u>Tamil :</u></b></p> <p>24TA106 – Heritage of Tamil</p> <p>24TA206 – Tamils and Technology</p> <ul style="list-style-type: none"><li>• University Nominee Dr.R.Bakkiyaraj and Academic Expert along with Committee Members were suggested to follow the same syllabus as per Anna University.</li></ul>
3	<p><b><u>English :</u></b></p> <p>24EN101 – Technical English I</p> <p>24EN201 – Technical English II</p>



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	<p><b>24EN110 – English Laboratory</b></p> <p><b>24EN210 – Communication Laboratory</b></p> <ul style="list-style-type: none"><li>• University Nominee Dr.R.Bakkiyaraj and subject expert Dr.K.Saravanan along with board members were recommended to change the title 24EN110 from English Laboratory to <b>Communication skills laboratory-I</b> and also mentioned in the syllabus as <b>internal mode</b> only.</li><li>• Second semester, lab title for 24EN210 from Communication laboratory to <b>Communication Skills laboratory – II</b> and also mentioned in the syllabus as <b>internal mode</b> only.</li><li>• Reference books should be updated as per new edition.</li></ul>
4	<p><b><u>Chemistry :</u></b></p> <p><b>24CY104 – Engineering Chemistry</b></p> <p><b>24PC109 - Physics and Chemistry Laboratory</b></p> <ul style="list-style-type: none"><li>• University Nominee Dr.R.Bakkiyaraj and subject expert Dr.J.Prabhu were suggested to change objectives as per Blooms Taxonomy .</li><li>• Subject expert Dr.J.Prabhu recommended to change the title for second unit from “Nano Chemistry” to “<b>Nano materials and fabrication</b>”.</li><li>• Subject expert Dr.J.Prabhu advised to add “<b>Bio Battery</b>” for 5<sup>th</sup> unit.</li><li>• Reference books should be updated as per new edition.</li><li>• Dr.J.Prabhu advised to check po, co mapping and fine-tuned.</li></ul> <p><b><u>Laboratory :</u></b></p> <ul style="list-style-type: none"><li>• Subject expert Dr.J.Prabhu is recommended to arrange the experiments according to theory syllabus.</li><li>• Subject expert Dr.J.Prabhu is advised to add the experiments of “<b>Preparation of Gold Nano Particles</b>” instead of Conductmetric titration of precipitation.</li></ul>





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## Mathematics :

**24MA102 - Matrices and differential Calculus**

**24MA202 - Statistics and Numerical Methods**

- University Nominee Dr.R.Bakkiyaraj and subject expert Dr.M. Deivanayaki were suggested reference books and text books should be updated as per new edition
- Subject Expert Dr.M. Deivanayaki advised to add web reference.
- Dr.M. Deivanayaki advised to check course outcomes, objectives, po, co mapping should be checked and fine-tuned.

## **ME papers:**

**24MA104 – Advanced mathematics for scientific computing**

**24MA105 – Applied Fuzzy & Operations Research for Manufacturing Engineering**

**24MA106 – Applied Fuzzy & mathematical Techniques for Electronics Engineering**

**24MA107 – Applied mathematical techniques for Power Electronics.**

- Subject Expert Dr.M. Deivanayaki recommended to remove Testing of Hypothesis and Design of Experiment, instead of that she recommended adding any other topics for M.E. paper.
- Subject Expert Dr.M. Deivanayaki advised to combined four M.E Papers  
24MA104 - Advanced mathematics for scientific computing,

24MA105 – Applied Fuzzy & Operations Research for Manufacturing Engineering

24MA106 - Applied Fuzzy & mathematical Techniques for Electronics Engineering

24MA107 – Applied mathematical techniques for Power Electronics

Into one single paper.

- Subject Expert Dr.M. Deivanayaki suggested the title, “ **Applied Mathematics for Engineers**”



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	<p><b><u>MBA &amp; MCA :</u></b></p> <p><b>24MA101 – Statistical Analysis for Management</b></p> <p><b>24MA 201 – Applied Operations Research for Management</b></p> <p><b>24MA103 - Mathematical foundations of Computer Applications</b></p> <ul style="list-style-type: none"><li>• Subject Expert Dr.M. Deivanayaki suggested changing the unit topics according to sequence order based on learning.</li><li>• Subject Expert Dr.M. Deivanayaki offer one common course for both MBA and MCA</li></ul>
6	<p><b><u>Physics :</u></b></p> <p><b>24PH103 - Engineering Physics</b></p> <p><b>24PH203 - Physics for Information Science</b></p> <p><b>24PH205 – Material Science</b></p> <p><b>24PH204 - Physics for Electrical &amp; Electronics Engineering</b></p> <ul style="list-style-type: none"><li>• Dr.R.Bakkiyaraj suggested selecting exact words using blooms taxonomy while mentioning the course outcomes.</li><li>• It is advised to one or more text books can be included along with text books preferred.</li><li>• It is advised to add recent edition of books for reference.</li></ul> <p><b><u>Laboratory:</u></b></p> <p><b>24PC109 - Physics and Chemistry Laboratory</b></p> <ul style="list-style-type: none"><li>• University Nominee as well as Subject Expert Dr.R.Bakkiyaraj suggested rearranging the experiment topics.</li></ul>

Note: All the above suggestions given by the BOS members have been taken care of and included in the Syllabus





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## **CERTIFICATE**

The **B.E/ B.TECH / MBA / MCA / ME Syllabus** of the courses offered by the **Department of Science and Humanities (Tamil, English, Physics, Chemistry, Mathematics Subjects)**, 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 Science and Humanities** which held on **12.07.2024** at **10.30 am**.

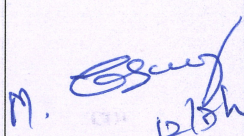
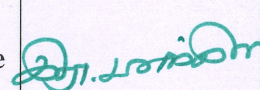




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## Members Present:

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1	<b>Mr.M.Ponnusamy,</b> Assistant Professor, Head of the Department, Department of Science and Humanities.	Chairperson	 M. Ponnusamy 12/7/24
2	<b>Dr. R. Bakkiyaraj,</b> Associate Professor, Department of Physics, Government College of Engineering, Bargur, Krishnagiri – 635 104.	University Nominee	 Dr. R. Bakkiyaraj 12/7/24
3	<b>Dr.M.Deivanayaki,</b> Associate Professor in Mathematics Department of Science and Humanities, Karpagam Academy of Higher Education, Coimbatore.	Subject Expert	 M. Deivanayaki 12/7/24
4	<b>Dr.J.Prabhu,</b> Assistant Professor, Department of Physical Science, Karunya Institute of Technology and Sciences, Coimbatore.	Subject Expert	 J. Prabhu 12/7/24
5	<b>Dr.S.Gnanavel,</b> Synthetic chemist, Chemkovil Research Centre, Mettur Dam.	Representative from Industry	 S. Gnanavel 12/7/24





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6	<b>Mr.S.Karthi,</b> Relationship Officer- Retail Sales, Direct Channel, Sbicap securities, Nambiyur.	<b>Meritorious Alumni</b>	<i>Karthi S.</i> 12/07/24
7	<b>Dr.K.Saravanan,</b> Associate Professor and Head, Department of English, Excel Engineering college, Komarapalayam – 637 303	<b>Special Invitee Academic Expert</b>	<i>K.S.</i> 12/07/2024
8	<b>Mrs.M.Kavitha</b> Assistant Professor Department of Physics, JKKMCT	<b>Internal Member</b>	<i>Kavitha</i> 12/7/24
9	<b>Mrs.R.Shanthi</b> Assistant Professor Department of Mathematics, JKKMCT	<b>Internal Member</b>	<i>R. Shanthi</i> 12/7/24
10	<b>Mrs.S.Poornima</b> Assistant Professor Department of English, JKKMCT	<b>Internal Member</b>	<i>Poornima</i> 12/7/24
11	<b>Mrs.M.Senbagam</b> Assistant Professor Department of Chemistry, JKKMCT	<b>Internal Member</b>	<i>M. Senbagam</i> 12/7/24
12	<b>Mr.S.Anbuthangam</b> Assistant Professor Department of Tamil, JKKMCT	<b>Internal Member</b>	<i>S. Anbuthangam</i> 12/7/24