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| **GRADUATION AUDIT FORM** |

**MKEM: Master of Engineering (Mechatronics and Automatic Control)**

**Total Credits to Graduate: 43**

Student Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NRIC/Passport/Matric No : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Semester (Starts & Final) : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ No. of Semester: \_\_\_\_\_\_\_\_\_\_\_

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| **FACULTY COMPULSORY ~ 12 CREDITS ( 4 COURSES)** |
| No | Course Code | Course Name | Credit | Grade | Semester Pass |
| 1 | MEM 1753 | Advanced Instrumentation & Measurement | 3 |  |  |
| 2 | MEM 1833 | Linear System Theory | 3 |  |  |
| 3 | MEM 1853 | Discrete-Time & Computer Controlled System | 3 |  |  |
| 4 | MEM 1863 | Design of Microprocessor-Based Mechatronic Systems | 3 |  |  |
| **FACULTY ELECTIVES ~ 12 CREDITS (4 COURSES)** |
| No | Course Code | Course Name | Credit | Grade | Semester Pass |
| 1 | MKEM 1713 | Artificial Intelligence | 3 |  |  |
| 2 | MKEM 1723 | Advanced Process Control | 3 |  |  |
| 3 | MKEM 1733 | Adaptive & Self Tuning Control | 3 |  |  |
| 4 | MKEM 1743  | Modeling & Simulation of Dynamical Sys. | 3 |  |  |
| 5 | MKEM 1763  | System Identification & Estimation | 3 |  |  |
| 6 | MKEM 1773  | Multivariable & Optimal Control Systems | 3 |  |  |
| 7 | MKEM 1783 | Nonlinear & Robust Control Systems | 3 |  |  |
| 8 | MKEM 1793 | Industrial Automation | 3 |  |  |
| 9 | MKEM 1823 | Advanced Robotics | 3 |  |  |
| 10 | MKEM 1843 | Advanced Digital Control | 3 |  |  |
| 11 | MKEM 1873 | Real-Time Control System Design | 3 |  |  |
| 12 | MKEM 1883 | Autonomous Mobile Robotics | 3 |  |  |
| 13 | MKEM 1893 | Special Topic in Control Engineering | 3 |  |  |
| 14 | MKEM 1913 | Mechatronic Design | 3 |  |  |
| 15 | MKEM 1923 | Sensor and Actuator | 3 |  |  |
| **FREE ELECTIVE FROM MKEL/MKEM/MKEP/MKET~ 3 CREDITS (1 COURSE)** |
| No | Course Code | Course Name | Credit | Grade | Semester Pass |
| 1 |  |  | 3 |  |  |
| **MASTER'S PROJECT ~ 10 CREDITS (2 COURSES)** |
| No | Course Code | Course Name | Credit | Grade | Semester Pass |
| 1 | MKEM 1814 | Research Project Proposal | 4 |  |  |
| 2 | MKEM 1826 | Research Project Report | 6 |  |  |
| **FACULTY/UNIVERSITY COMPULSORY ~ 6 CREDITS (2 COURSES)** |
| No | Course Code | Course Name | Credit | Grade | Semester Pass |
| 1 | MKEU 0013 | Introduction to Research Methodology in Electrical Eng. | 3 |  |  |
| 2 | Uxxx xxx3 | Non-Technical Subject | 3 |  |  |

Total Credit Obtained (KD) : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CPA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total Credit Transfer (KP) : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Check By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Certified By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_