

PROOF OF DOCUMENTS



DEPARTMENT OF MECHANICAL ENGINEERING

SUBJECT ALLOTMENT WITH WORKLOAD - 2023-2024 ODD SEMESTER

| SL.NO. | NAME OF FACULTY | DESIGNATION | THEORY | | | LAB | | | WORK LOAD | | | Workload including PG | | |
|--------|-------------------|---------------------|---|--|--|---|---|----|-----------|-----|-------|-----------------------|----|----|
| | | | T1 | T2 | T3 | L1 | L2 | L3 | THEORY | LAB | TOTAL | | | |
| 1 | DR BIJESH PAUL | PROFESSOR | MET201MECHANICS OF SOLIDS (S3 ME - 5) | 221EPE042 MARKETING MANAGEMENT (PG S1 ME - 4) | | MED415 PROJECT PHASE I (S7 ME -6) | | | | | 5 | 6 | 11 | 15 |
| 2 | DR. SAJITH T A | ASSOCIATE PROFESSOR | MET205METALLURGY & MATERIAL SCIENCE (S3 ME - 5) | 221EPE035 QUALITY ENGINEERING (PG S1 ME - 4) | GCEST104 INTRODUCTION TO MECHANICAL AND CIVIL ENGINEERING (S1 SF- 2) | MEQ413 SEMINAR (S7 ME -3) | | | | | 6 | 3 | 9 | 13 |
| 3 | DR. LEERA RAJU | HOD | GCEST103 ENGINEERING MECHANICS (S1 ME - 5) | 221RGE100 REASERCH METHODOLOGY AND IPR (PG S1 ME - 4) | MCN201SUSTAINABLE ENGINEERING (S3 ME - 2) | MEQ413 SEMINAR (S7 ME -3) | | | | | 7 | 3 | 10 | 14 |
| 4 | PREMKRISHNAN P | ASSISTANT PROFESSOR | MET463OPERATIONS MANAGEMENT (S7 ME - 5) | MET305INDUSTRIAL & SYSTEMS ENGINEERING (S5 ME - 5) | 221TPE009 OPERATIONS MANAGEMENT (PG S1 ME - 4) | GCESL106 ENGINEERING WORKSHOP (S1 SF - 2) | | | | | 10 | 2 | 12 | 16 |
| 5 | SANDEEP K V | ASSISTANT PROFESSOR | MET301MECHANICS OF MACHINERY (S5 ME - 5) | MET203MECHANICS OF FLUIDS (S3 ME - 5) | | MEL333 THERMAL ENGINEERING LAB-I (S5 ME -6) | GCESL106 ENGINEERING WORKSHOP (S1 ME - 2) | | | | 10 | 8 | 18 | 18 |
| 6 | HARIS P A | ASSISTANT PROFESSOR | MET303THERMAL ENGINEERING (S5 ME - 5) | MCN401INDUSTRIAL SAFETY ENGINEERING (S7 ME - 5) | | MEL201 COMPUTER AIDED MACHINE DRAWING (S3 ME - 6) | | | | | 10 | 6 | 16 | 16 |
| 7 | PRADEEP P D | ASSISTANT PROFESSOR | GYEST103 ENGINEERING GRAPHICS AND COMPUTER AIDED DRAWING (S1CS A - 5) | GYEST103 ENGINEERING GRAPHICS AND COMPUTER AIDED DRAWING (S1 EC - 5) | DESIGN ENGINEERING (S3 ME - 2) | GCESL106 ENGINEERING WORKSHOP (S1 CE - 2) | | | | | 12 | 2 | 14 | 14 |
| 8 | SURIYA S | ASSISTANT PROFESSOR | MET401DESIGN OF MACHINE ELEMENTS (S7 ME - 5) | PROCESSING AND PROPERTIES OF MATERIALS (S3 RA - 5) | | MEL203 MATERIALS TESTING LAB (S3 ME - 6) | | | | | 10 | 6 | 16 | 16 |
| 9 | RAJEESH R PILLAI | ASSISTANT PROFESSOR | GYEST103 ENGINEERING GRAPHICS AND COMPUTER AIDED DRAWING (S1 EEE - 5) | GYEST103 ENGINEERING GRAPHICS AND COMPUTER AIDED DRAWING (S1 RA - 5) | MCN 301 DISASTER MANAGEMENT (S5 ME - 2) | MACHINE DRAWING AND SOLID MODELLING LAB (S3 RA - 3) | | | | | 12 | 3 | 15 | 15 |
| 10 | MUHASIN K M | ASSISTANT PROFESSOR | MET307MACHINE TOOLS AND METROLOGY (S7 ME - 4) | GCEST104 INTRODUCTION TO MECHANICAL AND CIVIL ENGINEERING (S1 CE- 2) | OPEN ELECTIVE TO CE (S7 ME - 4) | MEL411 MECHANICAL ENGINEERING LAB (S7 ME - 6) | | | | | 10 | 6 | 16 | 16 |
| 11 | RENJITH KUMAR T B | ASSISTANT PROFESSOR | GYEST103 ENGINEERING GRAPHICS AND COMPUTER AIDED DRAWING (S1 CS B- 5) | GYEST103 ENGINEERING GRAPHICS AND COMPUTER AIDED DRAWING (S1 AI- 5) | GCEST104 INTRODUCTION TO MECHANICAL AND CIVIL ENGINEERING (S1 ME- 2) | MEL331 MACHINE TOOLS LAB-II (S5 ME - 6) | | | | | 12 | 6 | 18 | 18 |
| 12 | MUHAMMED MUSTAFA | ASSISTANT PROFESSOR | GCEST103 ENGINEERING MECHANICS (S1 SF - 5) | OPEN ELECTIVE TO CE (S7 ME - 4) | HUT310MANAGEMENT FOR ENGINEERS (S5 ME - 4) | 221TPE008 WORK SYSTEM DESIGN (PG S1 ME - 4) | 221LPE003 INDUSTRIAL ENGINEERING AND MANAGEMENT | | | | 13 | 0 | 13 | 20 |
| 13 | Alaka P | ASSISTANT PROFESSOR | UCPHT127 HEALTH & SAFETY (S1 ME -2) | | | | | | | | 2 | 0 | 2 | 2 |

KMEA ENGINEERING COLLEGE

MOCHAMKULAM, EDATHALA, ALUVA, KERALA 683561

PH: 04842411003



COURSE DIARY

| | |
|-----------------|--|
| Subject | EET304 - POWER SYSTEMS II |
| Subject Type | Theory |
| Batch | EEE 2K21 |
| Semester | Vth Semester |
| Academic Year | 2023-24 |
| Total Hours | 75 |
| Name of Teacher | Mrs. FAREEDA .A. KAREEM |
| Designation | Associate Professor |
| Department | Electrical And Electronics Engineering |

Internal Auditor

External Auditor

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General Instructions

Student's performance should be evaluated solely on an academic basis
Student's evaluation should be fair, consistent, transparent and accountable.
Evaluation of student's performance should be disclosed to the students.

1. Keep the Course Diary up to date by clearly indicating the subject coverage and students attendance on the relevant pages.
2. Paste the syllabus in the relevant page.
3. Write / paste the Course plan in the relevant page.
4. Events in a semester such as Series Test days, Cultural / Celebration days, days for extra / co-curricular activities etc. may be indicated in the Year Calendar.
5. Assignment details may be written in the Course Diary or may be filed in the Course File.
 - (i) Minimum 2 no. of assignments should be given.
 - (ii) Different sets of questions may be given in an assignment (atleast three) to a class.
 - (iii) Assignments may be in the form of written - closed / open book, individual / group, home assignment, or in the form of oral presentation, quiz, seminar etc.
6. Show complete split up of sessional marks in the page "Particulars of Marks". Final sessional mark for each student should be equal to the sum of marks awarded for Assignments (10) and Series Tests (40).
7. All the entries in the course diary must be, legibly written without overwriting and free of errors.
8. Do not count marks of class tests along with the series test for computing sessional mark.
9. The staff member will be responsible for the safe custody of the Course Diary and (s)he should return it to the HOD at the end of semester or earlier if (s)he leaves the department or discontinue the subject.
10. Follow KTU regulations for computing sessional marks.

PRINCIPAL

VISION OF THE COLLEGE

"-To be a centre of excellence in academics and research for moulding students to become competent engineering professionals with innovative ideas and dedicated to the upliftment of the deprived socio-economic sections of the society through effective teaching learning process."

MISSION OF THE COLLEGE

"-To transform budding engineers into employable quality professionals. -To inculcate the need of pursuing higher education among the graduate students so as to create a society of highly educated professionals. -To impart ethical values and social consciousness among the students so as to create responsible and socially committed engineers. -To create an excellent academic ambience which encourages creative thinking, innovations and research."

PROGRAM OUTCOME

| PO Number | PO Statement |
|-----------|--|
| PO1 | Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. |
| PO2 | Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. |
| PO3 | Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. |
| PO4 | Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. |
| PO5 | Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. |
| PO6 | The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. |
| PO7 | Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |
| PO8 | Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. |
| PO9 | Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. |
| PO10 | Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. |
| PO11 | Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. |
| PO12 | Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life long learning in the broadest context of technological change. |

VISION OF ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

"To grow in the field of Electrical & Electronics Engineering through academics and research and also to improve underprivileged sections by moulding them into technically empowered engineers with innovative ideas and ethical values to serve the society. "

MISSION OF ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

"-To mould students into employable electrical & electronic engineers. - To provide good quality teaching blended with practical engineering skills to inculcate analytical thinking in students. -To ingrain the desire to pursue higher studies and be a lifelong learner. -To imbibe ethical values in students to transform them into successful professionals. "

PROGRAM EDUCATIONAL OBJECTIVES

| PEO Number | PEO Statement |
|-------------------|--|
| PEO1 | To prepare students with the ability to develop better solutions for problems related to Electrical and Electronics Engineering in industry and society. |
| PEO2 | To inculcate in students professional ethics, effective communication skills, social commitment, ability to work in a team enabling them to have successful careers in diverse cultural and interdisciplinary backgrounds. |
| PEO3 | To help students recognize the need to pursue higher studies and to adapt positively to ever changing working conditions with lifelong learning. |

PROGRAM SPECIFIC OUTCOMES

| PSO Number | PSO Statement |
|-------------------|--|
| PSO1 | Apply fundamental knowledge to identify, design and investigate various problems of electrical and electronic systems in the industry. |
| PSO2 | Apply electrical and electronic principles in the design and development of socially beneficial projects. |
| PSO3 | Apply knowledge of power systems and electrical machines to electrical generation, transmission, distribution and utilization systems. |

COURSE OUTCOME

| CO | Description | Bloom's taxonomy level |
|-----------|--|---|
| CO1 | Apply the per unit scheme for any power system network and compute the fault levels. | Understanding(U),Applying(P) |
| CO2 | Analyse the voltage profile of any given power system network using iterative methods. | Analyzing(A) |
| CO3 | Analyse the steady state and transient stability of power system networks. | Remembering(R),Understanding(U),Applying(P) |
| CO4 | Model the control scheme of power systems. | Applying(P),Understanding(U),Remembering(R) |
| CO5 | Schedule optimal generation scheme. | Applying(P),Understanding(U) |

STUDENT LIST

| Sl.No | Student Name | Class Roll Number | University Register Number | Admission Number |
|-------|----------------------|-------------------|----------------------------|------------------|
| 1 | AADIL BASHEER K B | 1 | KME21EE001 | B21217 |
| 2 | ALFIYA V J | 2 | KME21EE003 | B21235 |
| 3 | ANSA N.N | 3 | KME21EE004 | B21040 |
| 4 | ASIF A.A | 4 | KME21EE005 | B21050 |
| 5 | ASISH SAJEEV | 5 | KME21EE006 | B21278 |
| 6 | BINSIA YOUSUF | 6 | KME21EE007 | B21056 |
| 7 | FATHIMATHUL HUDA A N | 7 | KME21EE008 | B21163 |
| 8 | FAYAD C.F | 8 | KME21EE009 | B21182 |
| 9 | FAZIL ALIKUNJU | 9 | KME21EE010 | B21035 |
| 10 | GOURI PARVATHI T.S | 10 | KME21EE011 | B21124 |
| 11 | JEES JOSEPH | 11 | KME21EE013 | B21215 |
| 12 | JITHIN KRISHNA CS | 12 | KME21EE014 | B21173 |
| 13 | MOHAMED SIMAL | 13 | KME21EE015 | B21039 |
| 14 | MOHAMMED AADHIL K M | 14 | KME21EE016 | B21046 |
| 15 | MOHAMMED YASEEN | 15 | KME21EE018 | B21063 |
| 16 | MUHAMMED IRFAN | 16 | KME21EE019 | B21201 |
| 17 | MUHAMMED IRFAN K.N | 17 | KME21EE020 | B21054 |
| 18 | MUHAMMED MISHAL V S | 18 | KME21EE021 | B21206 |
| 19 | MUHAMMED RIZWAN P N | 19 | KME21EE022 | B21255 |
| 20 | MUHAMMED SALIH P A | 20 | KME21EE023 | B21047 |
| 21 | NAHEERALI K.H | 21 | KME21EE024 | B21080 |
| 22 | SAFNA P H | 22 | KME21EE025 | B21283 |
| 23 | SHIYASKHAN T S | 23 | KME21EE027 | B21149 |
| 24 | VIGNESH R | 24 | KME21EE029 | B21212 |
| 25 | MOHAMED ASHFAQ K A | 25 | LKME21EE030 | B22207 |

Prepared By :**FAREEDA .A. KAREEM****Approved By :****DR. REENA SEBASTIAN**

TIMETABLE

| Day | Period 1 | Period 2 | Period 3 | Period 4 | Period 5 | Period 6 | Period 7 |
|------------|---------------------------------|-----------------|---------------------------------|---------------------------------|-----------------|-----------------|-----------------|
| Monday | -- | -- | EET304 - POWER SYSTEMS II | -- | -- | -- | -- |
| Tuesday | -- | -- | -- | -- | -- | -- | -- |
| Wednesday | -- | -- | -- | EET304 - POWER SYSTEMS II | -- | -- | -- |
| Thursday | -- | -- | -- | -- | -- | -- | -- |
| Friday | EET304 - POWER SYSTEMS II | -- | -- | -- | -- | -- | -- |
| Saturday | -- | -- | -- | -- | -- | -- | -- |

SYLLABUS

| Module | Topic |
|--------|--|
| 1 | <p>1.1. Module I</p> <p>1.1.1. INTRODUCTION -SINGLE LINE DIAGRAM</p> <p>1.1.2. Per unit quantities-single phase and three phase.</p> <p>1.1.3. Per unit quantities-single phase and three phase.-PROBLEMS</p> <p>1.1.4. Problems</p> <p>1.1.5. Symmetrical components- sequence networks</p> <p>1.1.6. Sequence networks -problems</p> <p>1.1.7. Fault calculations-symmetrical and unsymmetrical-L to L fault</p> <p>1.1.8. L-G,L-L-G fault ,problems</p> <p>1.1.9. Symmetrical -problems</p> <p>1.1.10.Fault level of installations- Limiters-Numerical Problems</p> <p>1.1.11.series test 1</p> <p>1.1.12.Revision</p> |
| 2 | <p>2.1. Module II</p> <p>2.1.1. Load flow studies – Introduction-types</p> <p>2.1.2. Network model formulation and admittance matrix-Numerical Problems</p> <p>2.1.3. Numerical Problems</p> <p>2.1.4. Gauss-Siedel (two iterations) -Numerical Problems not more than three buses</p> <p>2.1.5. GS-PROBLEMS</p> <p>2.1.6. Newton-Raphson (Qualitative analysis only)</p> <p>2.1.7. Fast Decoupled method (two iterations) -Numerical Problems not more than three buses</p> <p>2.1.8. Principle of DC load flow. Introduction to distribution flow.</p> <p>2.1.9. Revision</p> |
| 3 | <p>3.1. Module III</p> <p>3.1.1. Power system stability steady state, dynamic and transient stability-</p> <p>3.1.2. Power system stability steady state, dynamic and transient stability-- Numerical Problems</p> <p>3.1.3. power angle curve-steady state stability limit --Numerical Problems</p> <p>3.1.4. power angle curve-steady state stability limit --Numerical Problems</p> <p>3.1.5. Point by Point method Equal area criterion application</p> <p>3.1.6. Point by Point method Equal area criterion application-Numerical Problems. RK method-</p> <p>3.1.7. Methods of improving stability limits-Numerical Problems</p> <p>3.1.8. Contingency ranking-SSR-(Abstract idea only)</p> <p>3.1.9. PMUs and Wide area monitoring systems</p> <p>3.1.10.Numerical problems</p> <p>3.1.11.REvision</p> |
| 4 | <p>4.1. Module IV</p> <p>4.1.1. Turbines and speed governors-inertia.</p> <p>4.1.2. Automatic Generation Control: Load frequency control: single area</p> <p>4.1.3. Automatic Generation Control: Load frequency control: single area</p> <p>4.1.4. two area systems-Numerical Problems</p> <p>4.1.5. Automatic voltage control -Exciter Control.</p> <p>4.1.6. SCADA systems</p> <p>4.1.7. Phasor Measurement Unit- Wide Area Monitoring Systems-</p> <p>4.1.8. Phasor Measurement Unit- Wide Area Monitoring Systems-</p> <p>4.1.9. Automatic Generation Control: Load frequency control: single area</p> <p>4.1.10. Automatic Generation Control: Load frequency control: single area -PROBLEMS</p> <p>4.1.11.series test 2</p> <p>4.1.12.problems</p> |

| Module | Topic |
|--------|--|
| 5 | <p>5.1. Module V</p> <p>5.1.1. Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants-</p> <p>5.1.2. Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants-Numerical Problems</p> <p>5.1.3. Numerical Problems</p> <p>5.1.4. Method of computing penalty factors and loss coefficients-Numerical Problems</p> <p>5.1.5. Method of computing penalty factors and loss coefficients-Numerical Problems</p> <p>5.1.6. Unit commitment: Introduction — Constraints on unit commitments:</p> <p>5.1.7. Spinning reserve, Thermal unit constraints- Hydro constraints- Numerical Problems.</p> <p>5.1.8. Spinning reserve, Thermal unit constraints- Hydro constraints- Numerical Problems.</p> <p>5.1.9. Revision</p> |

SUBJECT PLAN

| Sl No | Date | Hour | Topic | Module | Method Of Delivery |
|-------|------------|--------|---|--------|--------------------|
| 1 | 2024-01-29 | Hour 3 | INTRODUCTION -SINGLE LINE DIAGRAM | 1 | Lecture |
| 2 | 2024-01-31 | Hour 4 | Per unit quantities-single phase and three phase. | 1 | Lecture |
| 3 | 2024-02-01 | Hour 3 | Per unit quantities-single phase and three phase.-PROBLEMS | 1 | Lecture |
| | | Hour 6 | Problems | 1 | Lecture |
| 4 | 2024-02-02 | Hour 1 | Problems | 1 | Lecture |
| 5 | 2024-02-05 | Hour 3 | Symmetrical components- sequence networks | 1 | Lecture |
| 6 | 2024-02-07 | Hour 4 | Sequence networks -problems | 1 | Lecture |
| | | | Fault calculations-symmetrical and unsymmetrical-L to L fault | 1 | Lecture |
| 7 | 2024-02-08 | Hour 3 | L-G,L-L-G fault ,problems | 1 | Lecture |
| | | Hour 6 | Symmetrical -problems | 1 | Lecture |
| 8 | 2024-02-09 | Hour 1 | Fault level of installations- Limiters-Numerical Problems | 1 | Lecture |
| 9 | 2024-02-12 | Hour 3 | Load flow studies – Introduction-types | 2 | Lecture |
| 10 | 2024-02-14 | Hour 4 | Network model formulation and admittance matrix-Numerical Problems | 2 | Lecture |
| 11 | 2024-02-15 | Hour 3 | Numerical Problems | 2 | Lecture |
| | | | Numerical problems | 3 | Lecture |
| | | Hour 6 | Gauss-Siedel (two iterations) -Numerical Problems not more than three buses | 2 | Lecture |
| 12 | 2024-02-16 | Hour 1 | GS-PROBLEMS | 2 | Lecture |
| 13 | 2024-02-19 | Hour 3 | Automatic Generation Control: Load frequency control: single area | 4 | Lecture |
| | | | GS-PROBLEMS | 2 | Lecture |
| 14 | 2024-02-21 | Hour 4 | Newton-Raphson (Qualitative analysis only) | 2 | Lecture |
| 15 | 2024-02-22 | Hour 3 | Fast Decoupled method (two iterations) -Numerical Problems not more than three buses | 2 | Lecture |
| | | Hour 6 | Power system stability steady state, dynamic and transient stability- | 3 | Lecture |
| 16 | 2024-02-23 | Hour 1 | Power system stability steady state, dynamic and transient stability-- Numerical Problems | 3 | Lecture |
| 17 | 2024-02-26 | Hour 1 | Phasor Measurement Unit- Wide Area Monitoring Systems- | 4 | Lecture |
| | | Hour 3 | power angle curve-steady state stability limit --Numerical Problems | 3 | Lecture |
| 18 | 2024-02-28 | Hour 4 | Point by Point method Equal area criterion application | 3 | Lecture |
| 19 | 2024-02-29 | Hour 3 | Methods of improving stability limits-Numerical Problems | 3 | Lecture |
| | | Hour 6 | Numerical problems | 3 | Lecture |
| 20 | 2024-03-01 | Hour 1 | Numerical problems | 3 | Lecture |
| 21 | 2024-03-04 | Hour 3 | Contingency ranking-SSR-(Abstract idea only) | 3 | Lecture |
| 22 | 2024-03-06 | Hour 4 | PMUs and Wide area monitoring systems | 3 | Lecture |
| 23 | 2024-03-07 | Hour 3 | Numerical problems | 3 | Lecture |
| | | Hour 6 | Turbines and speed governors-inertia. | 4 | Lecture |
| 24 | 2024-03-11 | Hour 3 | Automatic Generation Control: Load frequency control: single area | 4 | Lecture |
| | | | Principle of DC load flow. Introduction to distribution flow. | 2 | Lecture |
| 25 | 2024-03-13 | Hour 4 | Automatic Generation Control: Load frequency control: single area | 4 | Lecture |
| | | Hour 3 | Automatic Generation Control: Load frequency control: single area - PROBLEMS | 4 | Lecture |

| Sl No | 2024-03-Date | Hour | Topic | Module | Method Of Delivery |
|-------|--------------|--------|---|--------|--------------------|
| | | Hour 6 | two area systems-Numerical Problems | 4 | Lecture |
| 27 | 2024-03-15 | Hour 1 | Automatic voltage control -Exciter Control. | 4 | Lecture |
| 28 | 2024-03-18 | Hour 3 | Automatic voltage control -Exciter Control. | 4 | Lecture |
| 29 | 2024-03-20 | Hour 4 | Phasor Measurement Unit- Wide Area Monitoring Systems- | 4 | Lecture |
| 30 | 2024-03-21 | Hour 3 | SCADA systems | 4 | Lecture |
| | | Hour 6 | problems | 4 | Lecture |
| 31 | 2024-03-22 | Hour 1 | Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants- | 5 | Lecture |
| 32 | 2024-03-25 | Hour 3 | Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants- | 5 | Lecture |
| 33 | 2024-03-27 | Hour 4 | Numerical Problems | 5 | Lecture |
| 34 | 2024-04-01 | Hour 3 | Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants-Numerical Problems | 5 | Lecture |
| 35 | 2024-04-03 | Hour 4 | Numerical Problems | 5 | Lecture |
| 36 | 2024-04-04 | Hour 3 | Revision | 1 | Lecture |
| | | Hour 6 | Revision | 1 | Lecture |
| 37 | 2024-04-05 | Hour 1 | series test 1 | 1 | Lecture |
| 38 | 2024-04-08 | Hour 3 | series test 1 | 1 | Lecture |
| 39 | 2024-04-11 | Hour 6 | Method of computing penalty factors and loss coefficients-Numerical Problems | 5 | Lecture |
| 40 | 2024-04-12 | Hour 1 | Method of computing penalty factors and loss coefficients-Numerical Problems | 5 | Lecture |
| | | | Spinning reserve, Thermal unit constraints- Hydro constraints- Numerical Problems. | 5 | Lecture |
| 41 | 2024-04-15 | Hour 3 | Unit commitment: Introduction — Constraints on unit commitments: | 5 | Lecture |
| 42 | 2024-04-17 | Hour 4 | Spinning reserve, Thermal unit constraints- Hydro constraints- Numerical Problems. | 5 | Lecture |
| 43 | 2024-04-24 | Hour 3 | power angle curve-steady state stability limit --Numerical Problems | 3 | Lecture |
| 44 | 2024-04-27 | Hour 2 | Point by Point method Equal area criterion application-Numerical Problems. RK method- | 3 | Lecture |
| 45 | 2024-04-29 | Hour 3 | Revision | 5 | Lecture |
| | | | series test 2 | 4 | Lecture |
| | | | series test 2 | 4 | Lecture |
| | | | Revision | 5 | Lecture |
| | | | Revision | 5 | Lecture |
| | | | Revision | 5 | Lecture |
| | | | Revision | 5 | Lecture |
| 46 | 2024-05-03 | Hour 1 | REvision | 3 | Lecture |
| 47 | 2024-05-07 | Hour 2 | Revision | 2 | Lecture |

SUBJECT COVERAGE

| Sl No | Date | Hour | Topic | Module | Remarks |
|-------|------------|---------------|---|--------|-----------------------------------|
| 1 | 2024-01-29 | Hour 3 | INTRODUCTION -SINGLE LINE DIAGRAM | 1 | |
| | | | Per unit quantities-single phase and three phase. | 1 | |
| 2 | 2024-01-31 | Hour 4 | Per unit quantities-single phase and three phase.-PROBLEMS | 1 | |
| | | | Extra Topic | - | Reactance diagram |
| 3 | 2024-02-01 | Hour 3 | Problems | 1 | |
| | | Hour 6 | Problems | 1 | TUTORIAL |
| 4 | 2024-02-05 | Hour 3 | Symmetrical components- sequence networks | 1 | |
| 5 | 2024-02-06 | Hour 5 | Sequence networks -problems | 1 | |
| 6 | 2024-02-07 | Hour 2 | Fault calculations-symmetrical and unsymmetrical-L to L fault | 1 | |
| | | Hour 4 | L-G,L-L-G fault ,problems | 1 | |
| 7 | 2024-02-08 | Hour 3 | L-G,L-L-G fault ,problems | 1 | |
| 8 | 2024-02-09 | Hour 1 | Extra Topic | - | Symmetrical fault steps |
| 9 | 2024-02-12 | Hour 2 | Symmetrical -problems | 1 | |
| 10 | 2024-02-14 | Hour 1 | Fault level of installations- Limiters-Numerical Problems | 1 | |
| | | Hour 4 | Extra Topic | - | Module 4 --load frequency control |
| 11 | 2024-02-15 | Hour 6 | Extra Topic | - | TUTORIAL -problems on fault |
| 12 | 2024-02-26 | Hour 1 | Turbines and speed governors-inertia. | 4 | |
| | | Hour 3 | Automatic Generation Control: Load frequency control: single area | 4 | |
| 13 | 2024-02-28 | Hour 4 | Automatic Generation Control: Load frequency control: single area | 4 | |
| 14 | 2024-02-29 | Hour 3 | Automatic Generation Control: Load frequency control: single area -PROBLEMS | 4 | |
| | | Hour 6 | Extra Topic | - | TUTORIAL -AGC |
| 15 | 2024-03-01 | Hour 1 | two area systems-Numerical Problems | 4 | |
| 16 | 2024-03-04 | Hour 3 | Automatic voltage control -Exciter Control. | 4 | |
| 17 | 2024-03-06 | Hour 4 | SCADA systems | 4 | |
| | | | Phasor Measurement Unit- Wide Area Monitoring Systems- | 4 | |
| 18 | 2024-03-07 | Hour 3 | Load flow studies – Introduction-types | 2 | |
| | | Hour 6 | Network model formulation and admittance matrix-Numerical Problems | 2 | |
| | | | Numerical Problems | 2 | TUTORIAL |
| 19 | 2024-03-11 | Hour 3 | Gauss-Siedel (two iterations) -Numerical Problems not more than three buses | 2 | |
| 20 | 2024-03-13 | Hour 4 | Gauss-Siedel (two iterations) -Numerical Problems not more than three buses | 2 | |
| | | 4.30pm-5.30pm | Extra Topic | - | Revision |
| 21 | 2024-03-14 | Hour 1 | Problems | 1 | |
| | | Hour 2 | Problems | 1 | |
| | | Hour 3 | problems | 4 | |
| 22 | 2024-03-15 | Hour 1 | Extra Topic | - | Series Test 1 |
| | | Hour 2 | Extra Topic | - | Series Test 1 |
| | | Hour 3 | Extra Topic | - | Series Test 1 |
| 23 | 2024-03-18 | Hour 3 | GS-PROBLEMS | 2 | |

| Sl No | Date | Hour | Topic | Module | Remarks |
|-------|------------|---------------|---|--------|--------------------------|
| 24 | 2024-03-20 | Hour 4 | Newton-Raphson (Qualitative analysis only) | 2 | |
| | | 4.30pm-5.30pm | GS-PROBLEMS | 2 | |
| 25 | 2024-03-21 | Hour 3 | Newton-Raphson (Qualitative analysis only) | 2 | |
| | | Hour 6 | GS-PROBLEMS | 2 | TUTORIAL |
| 26 | 2024-03-22 | Hour 1 | Fast Decoupled method (two iterations) -Numerical Problems not more than three buses | 2 | |
| 27 | 2024-03-25 | Hour 3 | Principle of DC load flow. Introduction to distribution flow. | 2 | |
| 28 | 2024-03-26 | Hour 6 | Extra Topic | - | NR PROBLEMS |
| 29 | 2024-03-27 | Hour 4 | Extra Topic | - | Jacobian matrix problems |
| 30 | 2024-04-01 | Hour 3 | Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants- | 5 | |
| 31 | 2024-04-03 | Hour 4 | Economic Operation Distribution of load between units within a plant transmission loss as a function of plant generation distribution of load between plants-Numerical Problems | 5 | |
| 32 | 2024-04-04 | Hour 3 | Numerical Problems | 5 | |
| | | Hour 6 | Numerical Problems | 5 | TUTORIAL |
| 33 | 2024-04-05 | Hour 1 | Method of computing penalty factors and loss coefficients-Numerical Problems | 5 | |
| 34 | 2024-04-06 | Hour 1 | Method of computing penalty factors and loss coefficients-Numerical Problems | 5 | |
| 35 | 2024-04-08 | Hour 3 | Unit commitment: Introduction — Constraints on unit commitments: | 5 | |
| 36 | 2024-04-12 | Hour 1 | Spinning reserve, Thermal unit constraints- Hydro constraints-Numerical Problems. | 5 | |
| 37 | 2024-04-15 | Hour 3 | Spinning reserve, Thermal unit constraints- Hydro constraints-Numerical Problems. | 5 | |
| 38 | 2024-04-16 | Hour 5 | Revision | 5 | |
| 39 | 2024-04-17 | Hour 1 | Extra Topic | - | SERIES TEST 2 |
| | | Hour 2 | Extra Topic | - | SERIES TEST 2 |
| | | Hour 4 | Extra Topic | - | SERIES TEST 2 |
| 40 | 2024-04-18 | Hour 3 | Numerical Problems | 5 | |
| | | Hour 6 | Numerical Problems | 5 | |
| | | | Extra Topic | - | TUTORIAL |
| 41 | 2024-04-22 | Hour 3 | Power system stability steady state, dynamic and transient stability- | 3 | |
| 42 | 2024-04-24 | Hour 1 | Power system stability steady state, dynamic and transient stability-- Numerical Problems | 3 | |
| | | Hour 2 | Extra Topic | - | Swing equation |
| | | Hour 3 | power angle curve-steady state stability limit --Numerical Problems | 3 | |
| 43 | 2024-04-27 | Hour 1 | power angle curve-steady state stability limit --Numerical Problems | 3 | Tutorial |
| | | Hour 2 | Point by Point method Equal area criterion application | 3 | |
| | | Hour 3 | Point by Point method Equal area criterion application-Numerical Problems. RK method- | 3 | |
| 44 | 2024-05-02 | Hour 4 | Methods of improving stability limits-Numerical Problems | 3 | |
| | | Hour 5 | Numerical problems | 3 | |
| 45 | 2024-05-04 | Hour 4 | Contingency ranking-SSR-(Abstract idea only) | 3 | |
| | | | PMUs and Wide area monitoring systems | 3 | |
| | | Hour 5 | REvision | 3 | |
| | | | Numerical problems | 3 | |

| Sl No | Date | Hour | Topic | Module | Remarks |
|-------|------------|--------|-----------------------------|--------|---------|
| | | Hour 6 | REvision | 3 | |
| 46 | 2024-05-07 | Hour 1 | Revision | 1 | |
| | | | L-G,L-L-G fault ,problems | 1 | |
| | | Hour 2 | Revision | 1 | |
| | | | Symmetrical -problems | 1 | |
| | | Hour 3 | Sequence networks -problems | 1 | |
| 47 | 2024-05-08 | Hour 1 | GS-PROBLEMS | 2 | |
| | | | Revision | 2 | |
| | | Hour 2 | GS-PROBLEMS | 2 | |
| | | Hour 3 | GS-PROBLEMS | 2 | |

ASSIGNMENT MARKS

| Roll No | Name | Assignment 2 (15) | Assignment 3 (15) |
|---------|----------------------|-------------------|-------------------|
| 1 | AADIL BASHEER K B | 15 | 15 |
| 2 | ALFIYA V J | 15 | 15 |
| 3 | ANSA N.N | 15 | 15 |
| 4 | ASIF A.A | 0 | 0 |
| 5 | ASISH SAJEEV | 15 | 15 |
| 6 | BINSIA YOUSUF | 15 | 15 |
| 7 | FATHIMATHUL HUDA A N | 15 | 15 |
| 8 | FAYAD C.F | 0 | 0 |
| 9 | FAZIL ALIKUNJU | 0 | 0 |
| 10 | GOURI PARVATHI T.S | 15 | 15 |
| 11 | JEES JOSEPH | 15 | 15 |
| 12 | JITHIN KRISHNA CS | 15 | 15 |
| 13 | MOHAMED SIMAL | 15 | 15 |
| 14 | MOHAMMED AADHIL K M | 15 | 15 |
| 15 | MOHAMMED YASEEN | 15 | 15 |
| 16 | MUHAMMED IRFAN | 15 | 15 |
| 17 | MUHAMMED IRFAN K.N | 15 | 15 |
| 18 | MUHAMMED MISHAL V S | 15 | 15 |
| 19 | MUHAMMED RIZWAN P N | 0 | 0 |
| 20 | MUHAMMED SALIH P A | 15 | 15 |
| 21 | NAHEERALI K.H | 15 | 15 |
| 22 | SAFNA P H | 15 | 15 |
| 23 | SHIYASKHAN T S | 15 | 15 |
| 24 | VIGNESH R | 15 | 15 |
| 25 | MOHAMED ASHFAQ K A | 12 | 12 |

Reg No.: _____

Name : _____



KMEA Engineering College
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
VIth Semester - B.Tech
Assignment Assignment 2

Course : EET304 - POWER SYSTEMS II

Total Mark: 15

Total Time:

CO BL MARK

1.

Reg No.: _____

Name : _____



KMEA Engineering College
 DEPARTMENT OF ELECTRICAL AND ELECTRONICS
 ENGINEERING
 VIth Semester - B.Tech
 Assignment Assignment 3

Course : EET304 - POWER SYSTEMS II

Total Mark: 15**Total Time:**

| | | |
|-----|--|---|
| CO3 | Analyse the steady state and transient stability of power system networks. | Remembering(R),Understanding(U),Applying(P) |
| CO4 | Model the control scheme of power systems. | Applying(P),Understanding(U),Remembering(R) |

CO BL MARK

1.

CO3 2 (7 1/2)

2.

CO4 1 (7 1/2)

SERIES EXAM MARKS

| Roll No | Name | Series Exam 1 (50) | Series Exam 2 (50) |
|----------------|----------------------|---------------------------|---------------------------|
| 1 | AADIL BASHEER K B | 20 | 22 |
| 2 | ALFIYA V J | 37 | 34 |
| 3 | ANSA N.N | 26 | 35 |
| 4 | ASIF A.A | 25 | 29 |
| 5 | ASISH SAJEEV | 25 | 16 |
| 6 | BINSIA YOUSUF | 23 | 30 |
| 7 | FATHIMATHUL HUDA A N | 37 | 30 |
| 8 | FAYAD C.F | 14 | 20 |
| 9 | FAZIL ALIKUNJU | 28 | 30 |
| 10 | GOURI PARVATHI T.S | 37 | 44 |
| 11 | JEES JOSEPH | 20 | 20 |
| 12 | JITHIN KRISHNA CS | 23 | 32 |
| 13 | MOHAMED SIMAL | 26 | 20 |
| 14 | MOHAMMED AADHIL K M | 23 | 20 |
| 15 | MOHAMMED YASEEN | 33 | 36 |
| 16 | MUHAMMED IRFAN | 25 | 20 |
| 17 | MUHAMMED IRFAN K.N | 23 | 30 |
| 18 | MUHAMMED MISHAL V S | 29 | 20 |
| 19 | MUHAMMED RIZWAN P N | 0 | 0 |
| 20 | MUHAMMED SALIH P A | 15 | 33 |
| 21 | NAHEERALI K.H | 13 | 32 |
| 22 | SAFNA P H | 37 | 49 |
| 23 | SHIYASKHAN T S | 12 | 34 |
| 24 | VIGNESH R | 28 | 20 |
| 25 | MOHAMED ASHFAQ K A | 20 | 35 |

Reg No.: _____

Name : _____



KMEA Engineering College
 DEPARTMENT OF ELECTRICAL AND ELECTRONICS
 ENGINEERING
 VIth Semester - B.Tech
 Series Exam 1

Course : EET304 - POWER SYSTEMS II

Total Mark: 50

Total Time: 1 Hrs : 30 Mins

| | | |
|-----|--|---|
| CO1 | Apply the per unit scheme for any power system network and compute the fault levels. | Understanding(U),Applying(P) |
| CO4 | Model the control scheme of power systems. | Applying(P),Understanding(U),Remembering(R) |
| | | CO BL MARK |

PART A

1. A single phase transformer is rated at 110/440V, 2.5 kVA. Leakage reactance measured from LT side of the transformer is 0.06Ω . Determine the leakage reactance in p.u. CO1 2 (3)

Answer :

Actual value of $Z = (\text{Base KV})^2 / \text{Base MVA} = 110^2 / 2500 = 4.84 \text{ohms}$ -1 mark
 Leakage reactance in p.u = Actual Value/base value=1 mark
 $0.06 / 4.84 = 0.0124$ pu 1 mark

2. Discuss the effect of faults in a power system? Explain what do you mean by a symmetrical fault. CO1 2 (3)

Answer :

Effect of faults in a power system-(1.5 marks), Symmetrical fault-(1.5 marks)

3. Draw the zero sequence network for star-star ,star-delta connected transformers. CO1 2 (3)

Answer :

1.5 marks each zero sequence diagram .

4. What is SCADA ?Write its advantages CO4 2 (3)

Answer :

definition -1.5 marks,ANY 4 advantages-2 marks

5. Discuss the need for maintaining constant frequency in a power system? CO4 1 (3)

Answer :

EXPLANATION -3 MARKS

6. Define the terms ACE and control area in single area system CO4 2 (3)

Answer :

each-1.5marks

PART B

Answer Any Two Question(s)

7. Derive the expression for fault current in a line to ground fault on unloaded generator. Draw an equivalent network showing the inter connection of networks to simulate a line to line fault. CO1 3 (8)

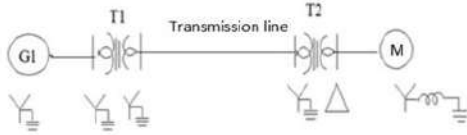
Answer :

Derivation; 6 marks Equivalent circuit- 4 marks

8. Draw the reactance diagram of the power system shown in figure. Neglect resistance and use a base of 100MVA, 220kV in 50Ω line. The ratings of generator motor and transformers are given below Generator:40MVA,25kV, $X''=20\%$ Motor: 50MVA, 11kV, $X''=30\%$

CO1 3 (8)

Transformer T1:40MVA, 33/220kV, $X=15\%$ Transformer T2:30MVA, 11/220kV, $X=15\%$



9. A 1250kVA ,5000 V generator with $X_d'' = j0.08pu$ supplies a purely resistive load of 1000kW at rated voltage .The load is connected directly across the terminals of the generator .If all the three phases of the load are short circuited simultaneously ,find initial symmetrical SC current in the generator .

CO1 3 (8)

PART C

Answer Any Two Question(s)

10. Derive from fundamentals, the complete block diagram of load frequency control of an isolated single area power system.

CO4 2 (8)

Answer :

Steps -4 marks ,block diagram 2 marks
relevant equations- 2 marks

11. A 125 MVA turbo-alternator on full load operates at 50 Hz. A load of 50 MW is suddenly reduced on the machine. The steam valves to the turbine commence to close after 0.5 s due to the time lag in the governor system. Assuming the inertia to be constant, $H = 6$ kWs per kVA of generator capacity, calculate the change in frequency that occurs in this time.

CO4 3 (8)

12. Draw the block diagram representation for Automatic Voltage Control ,with necessary explanations.

CO4 2 (8)

Answer :

Block diagram -4 marks
Explanation-4marks

Reg No.: _____

Name : _____



KMEA Engineering College
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

VIth Semester - B.Tech

Series Exam 2

09:15 17-Apr-2024

Course : EET304 - POWER SYSTEMS II

Total Mark: 50

Total Time: 1 Hrs : 30 Mins

| | | |
|-----|--|-------------------------------|
| CO2 | Analyse the voltage profile of any given power system network using iterative methods. | Analyzing(A) |
| CO5 | Schedule optimal generation scheme. | Applying(P), Understanding(U) |
| | | CO BL MARK |

PART A

Answer All Questions

1. Explain how are buses classified. CO2 1 (3)

Answer :

Classification of buses – (1.5 Marks) Specifying known and unknown quantities – (1.5 Marks)

2. How slack bus differs from other buses in a power system? What is the significance of slack bus in load flow analysis? CO2 1 (3)

Answer :

Difference – 1 Mark Significance – 2 Marks

3. Compare GS and NR methods of load flow analysis CO2 2 (3)

Answer :

Any 3 comparison -1 mark each

4. What are B-coefficients? Write the expression for transmission loss in terms of B - coefficients when there are three generating stations CO5 2 (3)

Answer :

Definition – 1.5 Marks Importance – 1.5 Marks

5. Define penalty factors in economic operation of power system. CO5 2 (3)

Answer :

Definition -1 mark, derivation -2 marks

6. What do you mean by spinning reserve? Why the spinning reserve must be maintained CO5 1 (3)

Answer :

definition-1.5

importance -1.5

PART B

Answer Any Two Question(s)

7. Explain the procedure for G-S method of load flow analysis .Also draw the flowchart . CO2 2 (8)

Answer :

Procedure -4marks

Flowchart -4 marks

8. For a three bus power system, given $Z_{12} = j0.4$, $Z_{23} = j0.2$, $Z_{13} = j0.3$

Bus 1 : Slack bus, $V = 1.05 \angle 0.0$ p.u.

Bus 2 : PV bus, $V = 1.0$ p.u. $P_g = 3$ p.u.

Bus 3 : PQ bus, $P_L = 4$ p.u., $Q_L = 2$ p.u. Carry out one iteration of load flow solution by Gauss Seidel method.

□

9. Derive the Newton Raphson power flow analysis algorithm and give steps for implementation of the algorithm.

CO2 2 (8)

Answer :

Algorithm -4marks

Steps-4marks

PART C

Answer Any Two Question(s)

10. Explain how economic dispatch can be done when transmission losses are considered.

CO5 2 (8)

Answer :

definition -2 marks

derivation -6 marks

11. What is Unit Commitment problem in Economic Load dispatch? Discuss about the constraints in unit commitment problem?

CO5 2 (8)

Answer :

Definition- 2 marks All the constraints -6 marks

12. The fuel inputs per hour of plants 1 & 2 are as given:

CO5 3 (8)

$$F_1 = 0.2P_1^2 + 40P_1 + 120 \text{ Rs/hr} \quad F_2 = 0.25P_2^2 + 30P_2 + 150 \text{ Rs/hr.}$$

Determine the economic operating schedule and the corresponding cost of generation if the maximum and minimum loading on each unit are 100MW and 25MW and the demand is 180MW and transmission losses are neglected. If the load is equally shared by both the units, determine the savings obtained by loading the units as per the equal incremental production cost.

Answer :

Economic division $P_1 = 88.89$ MW and $P_2 = 91.11$ MW 4marks

Total cost = Rs 10214.43 Rs/hr 1 mark

Equal division $P_1 = 90$ MW $P_2 = 90$ MW 1 marks

Total cost = 10215 Rs/hr 1 mark

Savings = Rs 0.57/hr = $0.57 \times 24 = 13.68$ Rs/day = 4993 Rs/year 1mark

TUTORIALS

| Sl.No. | Title | Description | Max Mark | Issued Date | Question |
|---------------|--------------------------|---|-----------------|--------------------|-----------------|
| 1 | MODULE 1 - TUTORIAL 1 | PU PROBLEMS | 0 | 2024-02-01 | |
| 2 | MODULE 1 - TUTORIAL 2 | FAULT ANALYSIS | 0 | 2024-02-15 | |
| 3 | MODULE 4 - TUTORIAL 3 | AUTOMATIC GENERATION CONTROL | 0 | 2024-02-29 | |
| 4 | MODULE 2 - TUTORIAL 4 | PROBLEMS FROM Y BUS | 0 | 2024-03-07 | |
| 5 | MODULE 2 - TUTORIAL 5 | GAUSS SEIDEL METHOD | 0 | 2024-03-21 | |
| 6 | MODULE 5 - TUTORIAL 6 | ECONOMIC LOAD DISPATCH PROBLEMS | 0 | 2024-04-04 | |
| 7 | MODULE 5 - TUTORIAL 7 | PROBLEMS ON PENALTY FACTOR | 0 | 2024-04-18 | |
| 8 | MODULE3 - TUTORIAL8 | PROBLEMS FROM STABILITY ANALYSIS | 0 | 2024-04-27 | |

INTERNAL MARK

| Roll No | Name | Attendance (20.00 %) | | series tests (50.00 %) Method: Average of Selected | | | ASSIGNMENTS (30.00 %) Method: Average of Selected | | | Total | |
|---------|---------------------|----------------------|-------------|---|---------------------------|-------------|--|--------------------------|-------------|-------------|-------------------------|
| | | | (out of 10) | Series Exam 1 (out of 50) | Series Exam 2 (out of 50) | (out of 25) | Assignment 2 (out of 15) | Assignment 3 (out of 15) | (out of 15) | Grace Marks | Final Score (out of 50) |
| 1 | AADIL BASHEER K B | 71/75 (95) | 0 | 20 | 22 | 10.5 | 15 | 15 | 15 | 0.0 | 36 |
| 2 | ALFIYA V J | 67/75 (89) | 0 | 37 | 34 | 17.8 | 15 | 15 | 15 | 0.0 | 43 |
| 3 | ANSA N.N | 61/75 (81) | 0 | 26 | 35 | 15.3 | 15 | 15 | 15 | 0.0 | 40 |
| 4 | ASIF A.A | 53/75 (71) | 0 | 25 | 29 | 13.5 | 0 | 0 | 0 | 0.0 | 22 |
| 5 | ASISH SAJEEV | 65/75 (87) | 0 | 25 | 16 | 10.3 | 15 | 15 | 15 | 0.0 | 35 |
| 6 | BINSIA YOUSUF | 64/75 (85) | 0 | 23 | 30 | 13.3 | 15 | 15 | 15 | 0.0 | 38 |
| 7 | FATHIMATHUL HUDAN | 68/75 (91) | 0 | 37 | 30 | 16.8 | 15 | 15 | 15 | 0.0 | 42 |
| 8 | FAYAD C.F | 63/75 (84) | 0 | 14 | 20 | 8.5 | 0 | 0 | 0 | 0.0 | 18 |
| 9 | FAZIL ALIKUNJU | 55/75 (73) | 0 | 28 | 30 | 14.5 | 0 | 0 | 0 | 0.0 | 23 |
| 10 | GOURI PARVATHI T.S | 68/75 (91) | 0 | 37 | 44 | 20.3 | 15 | 15 | 15 | 0.0 | 46 |
| 11 | JEES JOSEPH | 69/75 (92) | 0 | 20 | 20 | 10 | 15 | 15 | 15 | 0.0 | 35 |
| 12 | JITHIN KRISHNACS | 66/75 (88) | 0 | 23 | 32 | 13.8 | 15 | 15 | 15 | 0.0 | 39 |
| 13 | MOHAMMED SIMAL | 59/75 (79) | 0 | 26 | 20 | 11.5 | 15 | 15 | 15 | 0.0 | 35 |
| 14 | MOHAMMED AADHIL K M | 70/75 (93) | 0 | 23 | 20 | 10.8 | 15 | 15 | 15 | 0.0 | 36 |
| 15 | MOHAMMED YASEEN | 68/75 (91) | 0 | 33 | 36 | 17.3 | 15 | 15 | 15 | 0.0 | 43 |
| 16 | MUHAMMED IRFAN | 57/75 (76) | 0 | 25 | 20 | 11.3 | 15 | 15 | 15 | 0.0 | 35 |
| 17 | MUHAMMED IRFAN K.N | 64/75 (85) | 0 | 23 | 30 | 13.3 | 15 | 15 | 15 | 0.0 | 38 |
| 18 | MUHAMMED MISHAL V S | 55/75 (73) | 0 | 29 | 20 | 12.3 | 15 | 15 | 15 | 0.0 | 36 |
| 19 | MUHAMMED RIZWAN P N | 28/75 (37) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 5 |
| 20 | MUHAMMED SALIH P A | 67/75 (89) | 0 | 15 | 33 | 12 | 15 | 15 | 15 | 0.0 | 37 |
| 21 | NAHEER ALIK.H | 65/75 (87) | 0 | 13 | 32 | 11.3 | 15 | 15 | 15 | 0.0 | 36 |
| 22 | SAFNA PH | 72/75 (96) | 0 | 37 | 49 | 21.5 | 15 | 15 | 15 | 0.0 | 47 |
| 23 | SHIYAS KHAN T S | 63/75 (84) | 0 | 12 | 34 | 11.5 | 15 | 15 | 15 | 0.0 | 36 |
| 24 | VIGNESH R | 49/75 (65) | 0 | 28 | 20 | 12 | 15 | 15 | 15 | 0.0 | 35 |
| 25 | MOHAMMED ASHFAQ K A | 52/75 (69) | 0 | 20 | 35 | 13.8 | 12 | 12 | 12 | 0.0 | 34 |

INDIVIDUAL ATTAINMENTS

| Sl.No | Roll No | Name | Series Exam 1 | | |
|-------|---------|----------------------|---------------|---------------|-----|
| | | | Marks Awarded | CO-Attainment | |
| | | | Max(50) | CO1 | CO5 |
| 1 | 1 | AADIL BASHEER K B | 8 | 8 | 24 |
| 2 | 2 | ALFIYA V J | 26 | 60 | 44 |
| 3 | 3 | ANSA N.N | 10 | 16 | 24 |
| 4 | 4 | ASIF A.A | 15.5 | 20 | 42 |
| 5 | 5 | ASISH SAJEEV | 0 | - | - |
| 6 | 6 | BINSIA YOUSUF | 23 | 48 | 44 |
| 7 | 7 | FATHIMATHUL HUDA A N | 31 | 68 | 56 |
| 8 | 8 | FAYAD C.F | 14 | 32 | 24 |
| 9 | 9 | FAZIL ALIKUNJU | 13 | 16 | 36 |
| 10 | 10 | GOURI PARVATHI T.S | 35 | 78 | 62 |
| 11 | 11 | JEES JOSEPH | 4 | 4 | 12 |
| 12 | 12 | JITHIN KRISHNA CS | 23 | 46 | 46 |
| 13 | 13 | MOHAMED SIMAL | 8 | 32 | - |
| 14 | 14 | MOHAMMED AADHIL K M | 12 | 8 | 40 |
| 15 | 15 | MOHAMMED YASEEN | 33 | 68 | 64 |
| 16 | 16 | MUHAMMED IRFAN | 5 | - | 20 |
| 17 | 17 | MUHAMMED IRFAN K.N | 23 | 52 | 40 |
| 18 | 18 | MUHAMMED MISHAL V S | 19 | 24 | 52 |
| 19 | 19 | MUHAMMED RIZWAN P N | 0 | - | - |
| 20 | 20 | MUHAMMED SALIH P A | 15 | 36 | 24 |
| 21 | 21 | NAHEERALI K.H | 13 | 16 | 36 |
| 22 | 22 | SAFNA P H | 33 | 60 | 72 |
| 23 | 23 | SHIYASKHAN T S | 12 | 4 | 44 |
| 24 | 24 | VIGNESH R | 1 | 4 | - |
| 25 | 25 | MOHAMED ASHFAQ K A | 2 | - | 8 |

| | | |
|--|-----|-----|
| Class Strength | 25 | |
| Distinct COs | CO1 | CO5 |
| No. of Students Attended | 25 | 25 |
| No. of Students with marks greater than or equal to cut off marks | 21 | 21 |
| % of Students with marks greater than or equal to cut off marks | 84 | 84 |
| Attainment Level | 84 | 84 |

| | | | |
|----------------------|----|----|----|
| Attainment | 1 | 2 | 3 |
| Benchmark (%) | 50 | 60 | 70 |

CO attainment in Series Exam 1

| | | |
|-------------------|-----|-----|
| CO | CO1 | CO5 |
| Attainment | 3 | 3 |

INDIVIDUAL ATTAINMENTS

| Sl.No | Roll No | Name | Series Exam 2 | | | |
|-------|---------|----------------------|---------------|-----|---------------|--|
| | | | Marks Awarded | | CO-Attainment | |
| | | | Max(50) | CO2 | CO5 | |
| 1 | 1 | AADIL BASHEER K B | 22 | 56 | 32 | |
| 2 | 2 | ALFIYA V J | 34 | 76 | 60 | |
| 3 | 3 | ANSA N.N | 35 | 100 | 40 | |
| 4 | 4 | ASIF A.A | 29 | 52 | 64 | |
| 5 | 5 | ASISH SAJEEV | 16 | 52 | 12 | |
| 6 | 6 | BINSIA YOUSUF | 30 | 68 | 52 | |
| 7 | 7 | FATHIMATHUL HUDA A N | 30 | 72 | 48 | |
| 8 | 8 | FAYAD C.F | 20 | 28 | 52 | |
| 9 | 9 | FAZIL ALIKUNJU | 30 | 84 | 36 | |
| 10 | 10 | GOURI PARVATHI T.S | 44 | 88 | 88 | |
| 11 | 11 | JEES JOSEPH | 20 | 44 | 36 | |
| 12 | 12 | JITHIN KRISHNA CS | 32 | 64 | 64 | |
| 13 | 13 | MOHAMED SIMAL | 20 | 56 | 24 | |
| 14 | 14 | MOHAMMED AADHIL K M | 20 | 36 | 44 | |
| 15 | 15 | MOHAMMED YASEEN | 25 | 60 | 40 | |
| 16 | 16 | MUHAMMED IRFAN | 20 | 36 | 44 | |
| 17 | 17 | MUHAMMED IRFAN K.N | 30 | 72 | 48 | |
| 18 | 18 | MUHAMMED MISHAL V S | 20 | 32 | 48 | |
| 19 | 19 | MUHAMMED RIZWAN P N | 0 | - | - | |
| 20 | 20 | MUHAMMED SALIH P A | 33 | 68 | 64 | |
| 21 | 21 | NAHEERALI K.H | 32 | 64 | 64 | |
| 22 | 22 | SAFNA P H | 49 | 96 | 100 | |
| 23 | 23 | SHIYASKHAN T S | 34 | 72 | 64 | |
| 24 | 24 | VIGNESH R | 20 | 56 | 24 | |
| 25 | 25 | MOHAMED ASHFAQ K A | 35 | 60 | 80 | |

| | | |
|--|-----|-----|
| Class Strength | 25 | |
| Distinct COs | CO2 | CO5 |
| No. of Students Attended | 25 | 25 |
| No. of Students with marks greater than or equal to cut off marks | 24 | 24 |
| % of Students with marks greater than or equal to cut off marks | 96 | 96 |
| Attainment Level | 96 | 96 |

| | | | |
|----------------------|----|----|----|
| Attainment | 1 | 2 | 3 |
| Benchmark (%) | 50 | 60 | 70 |

CO attainment in Series Exam 2

| | | |
|-------------------|-----|-----|
| CO | CO2 | CO5 |
| Attainment | 3 | 3 |

INDIVIDUAL ATTAINMENTS

| Sl.No | Roll No | Name | Assignment Assignment 2 | |
|-------|---------|----------------------|-------------------------|---------------|
| | | | Marks Awarded | CO-Attainment |
| | | | Max(15) | CO2 |
| 1 | 1 | AADIL BASHEER K B | 0 | - |
| 2 | 2 | ALFIYA V J | 0 | - |
| 3 | 3 | ANSA N.N | 0 | - |
| 4 | 4 | ASIF A.A | 0 | - |
| 5 | 5 | ASISH SAJEEV | 0 | - |
| 6 | 6 | BINSIA YOUSUF | 0 | - |
| 7 | 7 | FATHIMATHUL HUDA A N | 0 | - |
| 8 | 8 | FAYAD C.F | 0 | - |
| 9 | 9 | FAZIL ALIKUNJU | 0 | - |
| 10 | 10 | GOURI PARVATHI T.S | 0 | - |
| 11 | 11 | JEES JOSEPH | 0 | - |
| 12 | 12 | JITHIN KRISHNA CS | 0 | - |
| 13 | 13 | MOHAMED SIMAL | 0 | - |
| 14 | 14 | MOHAMMED AADHIL K M | 0 | - |
| 15 | 15 | MOHAMMED YASEEN | 0 | - |
| 16 | 16 | MUHAMMED IRFAN | 0 | - |
| 17 | 17 | MUHAMMED IRFAN K.N | 0 | - |
| 18 | 18 | MUHAMMED MISHAL V S | 0 | - |
| 19 | 19 | MUHAMMED RIZWAN P N | 0 | - |
| 20 | 20 | MUHAMMED SALIH P A | 0 | - |
| 21 | 21 | NAHEERALI K.H | 0 | - |
| 22 | 22 | SAFNA P H | 0 | - |
| 23 | 23 | SHIYASKHAN T S | 0 | - |
| 24 | 24 | VIGNESH R | 0 | - |
| 25 | 25 | MOHAMED ASHFAQ K A | 0 | - |

| | |
|--|-----|
| Class Strength | 25 |
| Distinct COs | CO2 |
| No. of Students Attended | 25 |
| No. of Students with marks greater than or equal to cut off marks | 0 |
| % of Students with marks greater than or equal to cut off marks | 0 |
| Attainment Level | 0 |

| | | | |
|----------------------|----|----|----|
| Attainment | 1 | 2 | 3 |
| Benchmark (%) | 50 | 60 | 70 |

CO attainment in Assignment Assignment 2

| | |
|-------------------|-----|
| CO | CO2 |
| Attainment | 0 |

INDIVIDUAL ATTAINMENTS

| Sl.No | Roll No | Name | Assignment Assignment 3 | | | |
|-------|---------|----------------------|-------------------------|-----|---------------|--|
| | | | Marks Awarded | | CO-Attainment | |
| | | | Max(15) | CO3 | CO4 | |
| 1 | 1 | AADIL BASHEER K B | 15 | 100 | 100 | |
| 2 | 2 | ALFIYA V J | 15 | 100 | 100 | |
| 3 | 3 | ANSA N.N | 15 | 100 | 100 | |
| 4 | 4 | ASIF A.A | 0 | - | - | |
| 5 | 5 | ASISH SAJEEV | 15 | 100 | 100 | |
| 6 | 6 | BINSIA YOUSUF | 15 | 100 | 100 | |
| 7 | 7 | FATHIMATHUL HUDA A N | 15 | 100 | 100 | |
| 8 | 8 | FAYAD C.F | 0 | - | - | |
| 9 | 9 | FAZIL ALIKUNJU | 0 | - | - | |
| 10 | 10 | GOURI PARVATHI T.S | 15 | 100 | 100 | |
| 11 | 11 | JEES JOSEPH | 15 | 100 | 100 | |
| 12 | 12 | JITHIN KRISHNA CS | 15 | 100 | 100 | |
| 13 | 13 | MOHAMED SIMAL | 15 | 100 | 100 | |
| 14 | 14 | MOHAMMED AADHIL K M | 15 | 100 | 100 | |
| 15 | 15 | MOHAMMED YASEEN | 15 | 100 | 100 | |
| 16 | 16 | MUHAMMED IRFAN | 15 | 100 | 100 | |
| 17 | 17 | MUHAMMED IRFAN K.N | 15 | 100 | 100 | |
| 18 | 18 | MUHAMMED MISHAL V S | 15 | 100 | 100 | |
| 19 | 19 | MUHAMMED RIZWAN P N | 0 | - | - | |
| 20 | 20 | MUHAMMED SALIH P A | 15 | 100 | 100 | |
| 21 | 21 | NAHEERALI K.H | 15 | 100 | 100 | |
| 22 | 22 | SAFNA P H | 15 | 100 | 100 | |
| 23 | 23 | SHIYASKHAN T S | 15 | 100 | 100 | |
| 24 | 24 | VIGNESH R | 15 | 100 | 100 | |
| 25 | 25 | MOHAMED ASHFAQ K A | 12 | 80 | 80 | |

| | | |
|--|-----|-----|
| Class Strength | 25 | |
| Distinct COs | CO3 | CO4 |
| No. of Students Attended | 25 | 25 |
| No. of Students with marks greater than or equal to cut off marks | 21 | 21 |
| % of Students with marks greater than or equal to cut off marks | 84 | 84 |
| Attainment Level | 84 | 84 |

| | | | |
|----------------------|----|----|----|
| Attainment | 1 | 2 | 3 |
| Benchmark (%) | 50 | 60 | 70 |

CO attainment in Assignment Assignment 3

| | | |
|-------------------|-----|-----|
| CO | CO3 | CO4 |
| Attainment | 3 | 3 |

OVERALL INDIVIDUAL ATTAINMENT

| Sl.No | Roll No | Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|-------|---------|----------------------|-----|-----|-----|-----|-----|
| 1 | 1 | AADIL BASHEER K B | 8 | 56 | 100 | 100 | 28 |
| 2 | 2 | ALFIYA V J | 60 | 76 | 100 | 100 | 52 |
| 3 | 3 | ANSA N.N | 16 | 100 | 100 | 100 | 32 |
| 4 | 4 | ASIF A.A | 20 | 52 | | | 53 |
| 5 | 5 | ASISH SAJEEV | | 52 | 100 | 100 | 12 |
| 6 | 6 | BINSIA YOUSUF | 48 | 68 | 100 | 100 | 48 |
| 7 | 7 | FATHIMATHUL HUDA A N | 68 | 72 | 100 | 100 | 52 |
| 8 | 8 | FAYAD C.F | 32 | 28 | | | 38 |
| 9 | 9 | FAZIL ALIKUNJU | 16 | 84 | | | 36 |
| 10 | 10 | GOURI PARVATHI T.S | 78 | 88 | 100 | 100 | 75 |
| 11 | 11 | JEES JOSEPH | 4 | 44 | 100 | 100 | 24 |
| 12 | 12 | JITHIN KRISHNA CS | 46 | 64 | 100 | 100 | 55 |
| 13 | 13 | MOHAMED SIMAL | 32 | 56 | 100 | 100 | 24 |
| 14 | 14 | MOHAMMED AADHIL K M | 8 | 36 | 100 | 100 | 42 |
| 15 | 15 | MOHAMMED YASEEN | 68 | 60 | 100 | 100 | 52 |
| 16 | 16 | MUHAMMED IRFAN | | 36 | 100 | 100 | 32 |
| 17 | 17 | MUHAMMED IRFAN K.N | 52 | 72 | 100 | 100 | 44 |
| 18 | 18 | MUHAMMED MISHAL V S | 24 | 32 | 100 | 100 | 50 |
| 19 | 19 | MUHAMMED RIZWAN P N | | | | | |
| 20 | 20 | MUHAMMED SALIH P A | 36 | 68 | 100 | 100 | 44 |
| 21 | 21 | NAHEERALI K.H | 16 | 64 | 100 | 100 | 50 |
| 22 | 22 | SAFNA P H | 60 | 96 | 100 | 100 | 86 |
| 23 | 23 | SHIYASKHAN T S | 4 | 72 | 100 | 100 | 54 |
| 24 | 24 | VIGNESH R | 4 | 56 | 100 | 100 | 24 |
| 25 | 25 | MOHAMED ASHFAQ K A | | 60 | 80 | 80 | 44 |

| Attainment | | | | |
|------------|-----|-----|-----|-----|
| CO1 | CO2 | CO3 | CO4 | CO5 |
| 3 | 1.5 | 3 | 3 | 3 |

COURSE EXIT SURVEY

Course Exit Survey Details Not Found

ATTENDANCE SUMMARY

| Roll No | Student | 29/0 | 31/0 | 01/0 | 05/0 | 06/0 | 07/0 | 08/0 | 09/0 | 12/0 | 14/0 | 15/0 | 26/0 | 28/0 | 29/0 | 01/0 | 03/0 | Total | | | | |
|---------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|---|---|---|------------|
| | | 3 | 4 | 3 | 6 | 3 | 5 | 2 | 4 | 3 | 1 | 2 | 1 | 4 | 6 | 1 | 3 | | 4 | 3 | 6 | 1 |
| 1 | AADIL BASHEER K B | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 71/75 (95) |
| 2 | ALFIYA V J | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 67/75 (89) |
| 3 | ANSA N.N | A | A | A | A | P | P | P | P | A | P | P | P | A | A | P | P | P | P | P | P | 61/75 (81) |
| 4 | ASIF A.A | A | A | A | A | A | A | A | A | A | P | P | A | P | P | P | P | P | P | P | A | 53/75 (71) |
| 5 | ASISH SAJEEV | A | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 65/75 (87) |
| 6 | BINSIA YOUSUF | A | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | 64/75 (85) |
| 7 | FATHIMATHUL HUDA A N | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 8 | FAYAD C.F | A | P | P | P | P | A | P | P | P | P | P | A | P | P | P | A | P | P | P | P | 63/75 (84) |
| 9 | FAZIL ALIKUNJU | A | A | A | A | A | A | P | P | A | P | A | P | A | P | P | A | A | A | A | P | 55/75 (73) |
| 10 | GOURI PARVATHI T.S | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 11 | JEES JOSEPH | P | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 69/75 (92) |
| 12 | JITHIN KRISHNA CS | A | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | P | P | P | P | 66/75 (88) |
| 13 | MOHAMED SIMAL | A | A | P | P | P | A | P | A | P | P | P | A | A | P | A | A | P | P | P | P | 59/75 (79) |
| 14 | MOHAMMED AADHIL K M | A | A | A | P | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 70/75 (93) |
| 15 | MOHAMMED YASEEN | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 16 | MUHAMMED IRFAN | A | A | A | A | A | A | A | A | A | A | A | P | A | P | A | P | P | P | P | P | 57/75 (76) |
| 17 | MUHAMMED IRFAN K.N | A | P | A | A | P | A | P | P | P | P | P | A | P | A | P | A | P | P | P | P | 64/75 (85) |
| 18 | MUHAMMED MISHAL V S | A | P | P | P | P | A | A | A | P | P | P | P | P | P | A | P | A | P | P | P | 55/75 (73) |
| 19 | MUHAMMED RIZWAN P N | A | A | A | A | A | A | A | A | A | A | A | P | P | A | A | A | A | P | A | A | 28/75 (37) |
| 20 | MUHAMMED SALIH P A | A | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 67/75 (89) |
| 21 | NAHEERALI K.H | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 65/75 (87) |
| 22 | SAFNA P H | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 72/75 (96) |
| 23 | SHIYASKHAN T S | A | A | P | P | A | A | P | P | P | A | A | A | P | P | P | P | P | P | P | P | 63/75 (84) |
| 24 | VIGNESH R | A | A | A | A | A | A | P | P | P | A | P | A | A | P | P | A | P | A | P | A | 49/75 (65) |
| 25 | MOHAMED ASHFAQ K A | A | P | P | P | A | A | P | P | A | A | A | P | P | P | A | A | P | A | P | D | 52/75 (69) |

ATTENDANCE SUMMARY

| Roll No | Student | 06/03 | 07/03 | 08/03 | 09/03 | 10/03 | 11/03 | 12/03 | 13/03 | 14/03 | 15/03 | 16/03 | 17/03 | 18/03 | 19/03 | 20/03 | 21/03 | 22/03 | 23/03 | 24/03 | 25/03 | 26/03 | 27/03 | Total |
|---------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | 4 | 3 | 6 | 3 | 4 | E | 1 | 2 | 3 | 1 | 2 | 3 | 3 | 4 | E | 3 | 6 | 1 | 3 | 6 | 4 | | |
| 1 | AADIL BASHEER K B | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 71/75 (95) |
| 2 | ALFIYA V J | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 67/75 (89) |
| 3 | ANSA N.N | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 61/75 (81) |
| 4 | ASIF A.A | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | A | A | A | A | A | P | P | 53/75 (71) |
| 5 | ASISH SAJEEV | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 65/75 (87) |
| 6 | BINSIA YOUSUF | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 64/75 (85) |
| 7 | FATHIMATHUL HUDA A N | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | 68/75 (91) |
| 8 | FAYAD C.F | P | P | P | P | A | P | P | P | P | P | P | P | P | A | A | P | P | P | P | P | P | P | 63/75 (84) |
| 9 | FAZIL ALIKUNJU | P | P | P | P | A | A | P | P | P | P | P | P | P | A | A | A | P | A | P | P | P | P | 55/75 (73) |
| 10 | GOURI PARVATHI T.S | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | 68/75 (91) |
| 11 | JEES JOSEPH | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 69/75 (92) |
| 12 | JITHIN KRISHNA CS | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 66/75 (88) |
| 13 | MOHAMED SIMAL | P | P | P | P | A | P | P | P | P | P | P | P | P | A | A | P | P | P | P | P | P | P | 59/75 (79) |
| 14 | MOHAMMED AADHIL K M | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 70/75 (93) |
| 15 | MOHAMMED YASEEN | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 16 | MUHAMMED IRFAN | P | P | P | P | P | P | P | P | P | P | P | P | P | A | A | P | P | P | P | P | P | P | 57/75 (76) |
| 17 | MUHAMMED IRFAN K.N | P | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | 64/75 (85) |
| 18 | MUHAMMED MISHAL V S | P | P | A | P | P | A | P | P | P | P | P | P | P | A | A | P | P | A | P | P | P | P | 55/75 (73) |
| 19 | MUHAMMED RIZWAN P N | P | A | A | P | A | A | P | P | P | P | P | P | P | A | A | A | P | A | P | P | P | P | 28/75 (37) |
| 20 | MUHAMMED SALIH P A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 67/75 (89) |
| 21 | NAHEERALI K.H | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | A | A | P | P | P | 65/75 (87) |
| 22 | SAFNA P H | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 72/75 (96) |
| 23 | SHIYASKHAN T S | P | P | A | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 63/75 (84) |
| 24 | VIGNESH R | P | P | A | P | A | A | P | P | P | P | P | P | P | A | A | A | P | A | A | P | P | P | 49/75 (65) |
| 25 | MOHAMED ASHFAQ K A | P | P | P | P | A | A | P | P | P | P | P | P | P | A | A | A | P | A | P | P | P | P | 52/75 (69) |

ATTENDANCE SUMMARY

| Roll No | Student | 27/04 | | | 02/05 | | 04/05 | | | 07/05 | | | 08/05 | | | Total |
|---------|----------------------|-------|---|---|-------|---|-------|---|---|-------|---|---|-------|---|---|------------|
| | | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 6 | 1 | 2 | 3 | 1 | 2 | 3 | |
| 1 | AADIL BASHEER K B | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 71/75 (95) |
| 2 | ALFIYA V J | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 67/75 (89) |
| 3 | ANSA N.N | A | A | A | A | A | P | P | P | P | P | P | P | P | P | 61/75 (81) |
| 4 | ASIF A.A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 53/75 (71) |
| 5 | ASISH SAJEEV | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 65/75 (87) |
| 6 | BINSIA YOUSUF | P | P | P | A | A | P | P | P | P | P | P | P | P | P | 64/75 (85) |
| 7 | FATHIMATHUL HUDA A N | A | A | A | A | A | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 8 | FAYAD C.F | P | P | P | A | A | P | P | P | P | P | P | P | P | P | 63/75 (84) |
| 9 | FAZIL ALIKUNJU | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 55/75 (73) |
| 10 | GOURI PARVATHI T.S | P | P | P | A | A | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 11 | JEES JOSEPH | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 69/75 (92) |
| 12 | JITHIN KRISHNA CS | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 66/75 (88) |
| 13 | MOHAMED SIMAL | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 59/75 (79) |
| 14 | MOHAMMED AADHIL K M | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 70/75 (93) |
| 15 | MOHAMMED YASEEN | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 68/75 (91) |
| 16 | MUHAMMED IRFAN | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 57/75 (76) |
| 17 | MUHAMMED IRFAN K.N | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 64/75 (85) |
| 18 | MUHAMMED MISHAL V S | A | A | A | P | P | P | P | P | A | A | A | P | P | P | 55/75 (73) |
| 19 | MUHAMMED RIZWAN P N | A | A | A | A | A | P | P | P | A | A | A | P | P | P | 28/75 (37) |
| 20 | MUHAMMED SALIH P A | P | P | P | P | P | P | P | P | A | A | A | P | P | P | 67/75 (89) |
| 21 | NAHEERALI K.H | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 65/75 (87) |
| 22 | SAFNA P H | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 72/75 (96) |
| 23 | SHIYASKHAN T S | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 63/75 (84) |
| 24 | VIGNESH R | A | A | A | P | P | P | P | P | P | P | P | P | P | P | 49/75 (65) |
| 25 | MOHAMED ASHFAQ K A | A | A | A | P | P | P | P | P | A | A | A | P | P | P | 52/75 (69) |

ATTENDANCE SUMMARY

| Roll No | Student | Total |
|---------|----------------------|------------|
| 1 | AADIL BASHEER K B | 71/75 (95) |
| 2 | ALFIYA V J | 67/75 (89) |
| 3 | ANSA N.N | 61/75 (81) |
| 4 | ASIF A.A | 53/75 (71) |
| 5 | ASISH SAJEEV | 65/75 (87) |
| 6 | BINSIA YOUSUF | 64/75 (85) |
| 7 | FATHIMATHUL HUDA A N | 68/75 (91) |
| 8 | FAYAD C.F | 63/75 (84) |
| 9 | FAZIL ALIKUNJU | 55/75 (73) |
| 10 | GOURI PARVATHI T.S | 68/75 (91) |
| 11 | JEES JOSEPH | 69/75 (92) |
| 12 | JITHIN KRISHNA CS | 66/75 (88) |
| 13 | MOHAMED SIMAL | 59/75 (79) |
| 14 | MOHAMMED AADHIL K M | 70/75 (93) |
| 15 | MOHAMMED YASEEN | 68/75 (91) |
| 16 | MUHAMMED IRFAN | 57/75 (76) |
| 17 | MUHAMMED IRFAN K.N | 64/75 (85) |
| 18 | MUHAMMED MISHAL V S | 55/75 (73) |
| 19 | MUHAMMED RIZWAN P N | 28/75 (37) |
| 20 | MUHAMMED SALIH P A | 67/75 (89) |
| 21 | NAHEERALI K.H | 65/75 (87) |
| 22 | SAFNA P H | 72/75 (96) |
| 23 | SHIYASKHAN T S | 63/75 (84) |
| 24 | VIGNESH R | 49/75 (65) |
| 25 | MOHAMED ASHFAQ K A | 52/75 (69) |

UNIVERSITY EXAM MARKS

| Roll No | Name | University Mark |
|---------|----------------------|-----------------|
| 1 | AADIL BASHEER K B | F |
| 2 | ALFIYA V J | A |
| 3 | ANSA N.N | P |
| 4 | ASIF A.A | D |
| 5 | ASISH SAJEEV | F |
| 6 | BINSIA YOUSUF | D |
| 7 | FATHIMATHUL HUDA A N | C+ |
| 8 | FAYAD C.F | F |
| 9 | FAZIL ALIKUNJU | F |
| 10 | GOURI PARVATHI T.S | A |
| 11 | JEES JOSEPH | F |
| 12 | JITHIN KRISHNA CS | C |
| 13 | MOHAMED SIMAL | F |
| 14 | MOHAMMED AADHIL K M | F |
| 15 | MOHAMMED YASEEN | B |
| 16 | MUHAMMED IRFAN | F |
| 17 | MUHAMMED IRFAN K.N | P |
| 18 | MUHAMMED MISHAL V S | C |
| 19 | MUHAMMED RIZWAN P N | FE |
| 20 | MUHAMMED SALIH P A | F |
| 21 | NAHEERALI K.H | F |
| 22 | SAFNA P H | B+ |
| 23 | SHIYASKHAN T S | F |
| 24 | VIGNESH R | FE |
| 25 | MOHAMED ASHFAQ K A | F |

ACADEMIC CALENDAR

| Jan 2024 | | | | Feb 2024 | | | |
|----------|------|-------------|-------|----------|------|-----------------|-------|
| Days | Date | Description | Class | Days | Date | Description | Class |
| | | | | Thu | 01 | | 12 |
| | | | | Fri | 02 | | |
| | | | | Sat | 03 | | |
| | | | | Sun | 04 | | |
| | | | | Mon | 05 | | 15 |
| | | | | Tue | 06 | | 16 |
| | | | | Wed | 07 | | 22 |
| | | | | Thu | 08 | | 25 |
| | | | | Fri | 09 | | 26 |
| | | | | Sat | 10 | Second Saturday | |
| | | | | Sun | 11 | | |
| | | | | Mon | 12 | | 27 |
| | | | | Tue | 13 | | |
| | | | | Wed | 14 | | 33 |
| | | | | Thu | 15 | | 36 |
| | | | | Fri | 16 | | |
| | | | | Sat | 17 | | |
| | | | | Sun | 18 | | |
| | | | | Mon | 19 | | |
| | | | | Tue | 20 | | |
| | | | | Wed | 21 | | |
| | | | | Thu | 22 | | |
| | | | | Fri | 23 | | |
| | | | | Sat | 24 | | |
| | | | | Sun | 25 | | |
| | | | | Mon | 26 | | 40 |
| | | | | Tue | 27 | | |
| | | | | Wed | 28 | | 43 |
| Mon | 29 | | 3 | Thu | 29 | | 49 |
| Tue | 30 | | | | | | |
| Wed | 31 | | 6 | | | | |

ACADEMIC CALENDAR

| Mar 2024 | | | | Apr 2024 | | | |
|----------|------|-----------------|-------|----------|------|-----------------|-------|
| Days | Date | Description | Class | Days | Date | Description | Class |
| Fri | 01 | | 50 | Mon | 01 | | 97 |
| Sat | 02 | | | Tue | 02 | | |
| Sun | 03 | | | Wed | 03 | | 100 |
| Mon | 04 | | 53 | Thu | 04 | | 106 |
| Tue | 05 | | | Fri | 05 | | 107 |
| Wed | 06 | | 56 | Sat | 06 | | 108 |
| Thu | 07 | | 62 | Sun | 07 | | |
| Fri | 08 | Shivrathri | | Mon | 08 | | 111 |
| Sat | 09 | Second Saturday | | Tue | 09 | | |
| Sun | 10 | | | Wed | 10 | Eid Ul Fitr | |
| Mon | 11 | | 65 | Thu | 11 | Eid Holiday | |
| Tue | 12 | | | Fri | 12 | | 112 |
| Wed | 13 | | 69 | Sat | 13 | Second Saturday | |
| Thu | 14 | | 72 | Sun | 14 | | |
| Fri | 15 | Series Exam 1 | 73 | Mon | 15 | | 115 |
| Sat | 16 | | | Tue | 16 | | 116 |
| Sun | 17 | | | Wed | 17 | Series Exam 2 | 123 |
| Mon | 18 | | 76 | Thu | 18 | | 129 |
| Tue | 19 | | | Fri | 19 | | |
| Wed | 20 | | 80 | Sat | 20 | | |
| Thu | 21 | | 86 | Sun | 21 | | |
| Fri | 22 | | 87 | Mon | 22 | | 132 |
| Sat | 23 | | | Tue | 23 | | |
| Sun | 24 | | | Wed | 24 | | 138 |
| Mon | 25 | | 90 | Thu | 25 | | |
| Tue | 26 | | 91 | Fri | 26 | | |
| Wed | 27 | | 94 | Sat | 27 | | 141 |
| Thu | 28 | Maundy Thursday | | Sun | 28 | | |
| Fri | 29 | Good Friday | | Mon | 29 | | |
| Sat | 30 | | | Tue | 30 | | |
| Sun | 31 | | | | | | |

ACADEMIC CALENDAR

| May 2024 | | | |
|----------|------|-------------|-------|
| Days | Date | Description | Class |
| Wed | 01 | May Day | |
| Thu | 02 | | 143 |
| Fri | 03 | | |
| Sat | 04 | | 146 |
| Sun | 05 | | |
| Mon | 06 | | |
| Tue | 07 | | 149 |
| Wed | 08 | | 155 |
| Thu | 09 | | |

COLLEGE CALENDAR

| S.No | Title | Date | Details | Organizer Name |
|------|---|------------|--|----------------|
| 1 | Commencement os S3/S5/S7 classes | 17/07/2024 | Commencement os S3/S5/S7 classes | |
| 2 | Semester Enrollment begins for S5/S7 | 23/07/2024 | Semester Enrollment begins for S5/S7 | |
| 3 | Semester Enrollment ends for S5/S7 | 30/07/2024 | Semester Enrollment ends for S5/S7 | |
| 4 | Last date for first Advisory meeting | 01/08/2024 | S3/S5/S7 | |
| 5 | Module 1 to be completed for B.Tech S3/S5/S7 | 02/08/2024 | Module 1 to be completed for B.Tech S3/S5/S7 | |
| 6 | Course Selection &Mapping begins for B.Tech S3/S5/S7 &Commencement of S3 MTECH classes | 05/08/2024 | Course Selection &Mapping begins for B.Tech S3/S5/S7 | |
| 7 | Course Selection &Mapping ends for B.Tech S3/S5/S7 &Course Selection &Mapping begins for MTECH S3 | 14/08/2024 | Course Selection &Mapping ends for B.Tech S3/S5/S7 | |
| 8 | Module test 1 to be completed | 19/08/2024 | Module test 1 to be completed | |
| 9 | Last date for corrections related to course selection &mapping on KTU portal ,Last date for First DLAC Meeting for MTECH S3 | 21/08/2024 | Last date for corrections related to course selection &mapping on KTU portal | |
| 10 | Exam Registration begins for B.Tech S3/S5/S7 | 22/08/2024 | Exam Registration begins for B.Tech S3/S5/S7 | |
| 11 | Module2 to be completed for B.Tech S3/S5/S7 &Course Selection &Mapping ends for MTECH S3 | 23/08/2024 | Module2 to be completed for B.Tech S3/S5/S7 | |
| 12 | Assignment 1 to be submitted | 27/08/2024 | Assignment 1 to be submitted | |
| 13 | ST1 Qnpaper submission to HOD | 29/08/2024 | ST1 Qnpaper submission to HOD | |

| S.No | Title | Date | Details | Organizer Name |
|------|---|------------|--|----------------|
| 14 | Exam Registration ends for B.Tech S3/S5/S7 (Student level)/ST1 Qnpaper to scrutiny committee | 30/08/2024 | Exam Registration ends for B.Tech S3/S5/S7 (Student level)/ST1 Qnpaper to scrutiny committee | |
| 15 | Exam Registration ends for B.Tech S3/S5/S7 (College level) | 05/09/2024 | Exam Registration ends for B.Tech S3/S5/S7 (College level) | |
| 16 | A1 Addressing students grievances & Marks entry in ET lab | 06/09/2024 | A1 Addressing students grievances & Marks entry in ET lab | |
| 17 | First Series Test to be completed B.Tech S3/S5/S7 & Exam Registration ends for S3 MTECH (Student Level) | 07/09/2024 | First Series Test to be completed B.Tech S3/S5/S7 | |
| 18 | KTU Midterm Survey(1)-Syllabus Coverage | 10/09/2024 | KTU Midterm Survey(1)-Syllabus Coverage | |
| 19 | Module 3 to be completed for B.Tech S3/S5/S7 | 23/09/2024 | Module 3 to be completed for B.Tech S3/S5/S7 | |
| 20 | Last Date for Second ADvisory Meeting | 26/09/2024 | Last Date for Second Advisory Meeting | |
| 21 | Last date for the completion of First Internal Audit by College level IQAC | 30/09/2024 | Last date for the completion of First Internal Audit by College level IQAC | |
| 22 | Module Test 2 to be completed | 01/10/2024 | Module Test 2 to be completed | |
| 23 | ST2 Qnpaper submission to HOD | 14/10/2024 | ST2 Qnpaper submission to HOD | |
| 24 | ST2 Qnpaper to scrutiny committee | 15/10/2024 | ST2 Qnpaper to scrutiny committee | |
| 25 | Module 4 to be completed for B.Tech S3/S5/S7 | 16/10/2024 | Module 4 to be completed for B.Tech S3/S5/S7 | |
| 26 | Second Series Test to be completed for B.Tech S3/S5/S7 | 25/10/2024 | Second Series Test to be completed for B.Tech S3/S5/S7 | |
| 27 | Annual Sports Meet -College Level | 26/10/2024 | Annual Sports Meet -College Level | |
| 28 | Annual Sports Meet -College Level | 27/10/2024 | Annual Sports Meet -College Level | |

| S.No | Title | Date | Details | Organizer Name |
|------|---|------------|---|----------------|
| 29 | KTU Midterm Survey(2)-Syllabus Coverage /Assignment 2 to be submitted | 30/10/2024 | KTU Midterm Survey(2)-Syllabus Coverage /Assignment 2 to be submitted | |
| 30 | A2,ST2 Addressing students grievances & Marks entry in ET lab | 05/11/2024 | A2,ST2 Addressing students grievances & Marks entry in ET lab | |
| 31 | End Semester Students Feedback | 06/11/2024 | End Semester Students Feedback | |
| 32 | Module 5 to be completed for B.Tech S3/S5/S7 | 07/11/2024 | Module 5 to be completed for B.Tech S3/S5/S7 | |
| 33 | Class ends .Publish Attendance and IA marks for B.Tech S3/S5/S7&Last date for Second DLAC Meeting | 08/11/2024 | Class ends .Publish Attendance and IA marks for B.Tech S3/S5/S7 | |
| 34 | Last date for entering Attendance and Internal on KTU Portal | 11/11/2024 | Last date for entering Attendance and Internal on KTU Portal | |
| 35 | Commencement of Lab examinations for S5 | 12/11/2024 | Commencement of Lab examinations for S5 | |
| 36 | Last date for Attendance &Internal Marks Corrections without fine | 16/11/2024 | Last date for Attendance &Internal Marks Corrections without fine | |
| 37 | Commencement of S7 Examinations &End Semester Evaluation of Internship begins | 22/11/2024 | Commencement of S7 Examinations | |
| 38 | Commencement of S3 Examinations | 23/11/2024 | Commencement of S3 Examinations | |
| 39 | Commencement of S5 Examinations | 25/11/2024 | Commencement of S5Examinations | |
| 40 | S7 Exam ends | 03/12/2024 | S7 Exam ends | |
| 41 | Commencement of S8 classes | 04/12/2024 | Commencement of S8 classes | |
| 42 | S3 Exam ends | 09/12/2024 | S3 Exam ends | |
| 43 | Commencement of S4 classes /S5 Exam ends | 10/12/2024 | Commencement of S4 classes /S5 Exam ends | |
| 44 | Commencement of S6 classes | 11/12/2024 | Commencement of S6 classes | |

| S.No | Title | Date | Details | Organizer Name |
|------|---|------------|---|----------------|
| 45 | Last date for the completion of second internal audit by college level IQAC | 16/12/2024 | Last date for the completion of second internal audit by college level IQAC | |
| 46 | Semester Enrollment begins for S4/S6/S8 | 17/12/2024 | Semester Enrollment begins for S4/S6/S8 | |
| 47 | Semester Enrollment ends for S4/S6/S8 | 30/12/2024 | Semester Enrollment ends for S4/S6/S8 | |
| 48 | ST1 Addressing students grievances & Marks entry in ET lab & Exam Registration ends for S3 MTECH (CollegeLevel) | 13/09/2024 | ST1 Addressing students grievances & Marks entry in ET lab | |
| 49 | Semester Enrollment commences for MTECH | 06/08/2024 | Semester Enrollment commences for MTECH | |
| 50 | Semester Enrolment ends for MTECH S3 | 12/08/2024 | Semester Enrolment ends for MTECH S3 | |
| 51 | Last date for corrections related to course selection and mapping for MTECH S3 | 31/08/2024 | Last date for corrections related to course selection and mapping for MTECH S3 | |
| 52 | Exam Registration begins for S3 MTECH (Student Level) | 02/09/2024 | Exam Registration begins for S3 MTECH (Student Level) | |
| 53 | Last date of completion of interim project evaluation by the evaluation committee | 11/10/2024 | Last date of completion of interim project evaluation by the evaluation committee | |
| 54 | Class Ends. Publish Attendance and IA Marks for M.Tech S3 | 19/11/2024 | Class Ends. Publish Attendance and IA Marks for M.Tech S3 | |
| 55 | Last date for Entering Attendance and IA Marks for MTech S3 | 21/11/2024 | Last date for Entering Attendance and IA Marks for MTech S3 | |
| 56 | End Semester Evaluation of Internship to be completed | 26/11/2024 | End Semester Evaluation of Internship to be completed | |
| 57 | Commencement of S1 classes | 09/09/2024 | Commencement of S1 classes | |
| 58 | Final date for first year Induction Programme | 13/09/2024 | Final date for first year Induction Programme | |
| 59 | Semester Enrolment begins for S1 | 25/09/2024 | Semester Enrolment begins for S1 | |

| S.No | Title | Date | Details | Organizer Name |
|------|--|------------|--|----------------|
| 60 | Last date for S1 first Advisory meeting | 30/09/2024 | Last date for S1 first Advisory meeting | |
| 61 | Module 1 to be completed for B.Tech S1 | 09/10/2024 | Module 1 to be completed for B.Tech S1 | |
| 62 | Course Selection & Mapping begins for B.Tech S1 | 10/10/2024 | Course Selection & Mapping begins for B.Tech S1 | |
| 63 | Course Selection & Mapping ends for B.Tech S1 | 16/10/2024 | Course Selection & Mapping ends for B.Tech S1 | |
| 64 | S1 Module test 1 to be completed | 18/10/2024 | S1 Module test 1 to be completed | |
| 65 | Last date for corrections related to course selection & mapping on KTU portal | 19/10/2024 | Last date for corrections related to course selection & mapping on KTU portal | |
| 66 | Exam Registration begins for B.Tech S1 | 21/10/2024 | Exam Registration begins for B.Tech S1 | |
| 67 | Exam Registration ends for B.Tech S1 | 25/10/2024 | Exam Registration ends for B.Tech S1 | |
| 68 | KTU Midterm Survey(2)-S1 Syllabus Coverage /Module 2 to be completed for B.Tech S1 | 28/10/2024 | KTU Midterm Survey(2)-S1 Syllabus Coverage /Module 2 to be completed for B.Tech S1 | |
| 69 | Exam registration S1 -college level submission | 01/11/2024 | Exam registration S1 -college level submission | |
| 70 | First Series Test to be completed B.Tech S1 | 04/11/2024 | First Series Test to be completed B.Tech S1 | |
| 71 | Last date for S1 second advisory meeting | 14/11/2024 | Last date for S1 second advisory meeting | |
| 72 | Module 3 to be completed for B.Tech S1 | 15/11/2024 | Module 3 to be completed for B.Tech S1 | |
| 73 | S1 Module Test 2 to be completed | 29/11/2024 | S1 Module Test 2 to be completed | |
| 74 | Second Series Test to be completed B.Tech S1 | 13/12/2024 | Second Series Test to be completed B.Tech S1 | |
| 75 | S1 Assignment to be submitted | 19/12/2024 | S1 Assignment to be submitted | |
| 76 | S1 class ends. Publish attendance & IA marks. | 20/12/2024 | S1 class ends. Publish attendance & IA marks. | |

YEAR CALENDAR

| S.No | Date | Event | Remarks |
|-------------|-------------|--------------|----------------|
|-------------|-------------|--------------|----------------|



KMEA ENGINEERING COLLEGE
DEPARTMENT OF: MECHANICAL ENGINEERING
SEMESTER - : VITH SEMESTER ADMISSION YEAR: 2021

CONSOLIDATED MARKS - SERIES TEST 1

| Sl No | Register Number | Name of the Student | Boy or Girl | Quota | MET302 | MET304 | MET306 | MET312 | MET352 | HUT300 | No. of Pass | No. of Fail | No. of Abs | Total Marks | % Marks |
|-------|-----------------|----------------------------------|-------------|------------------|--------|--------|--------|--------|--------|--------|-------------|-------------|------------|-------------|---------|
| 1 | B21170 | AAQUIB MOHAMED K M | Boy | Management Quota | 16 | 13 | 1 | 13 | - | 44 | 1 | 4 | 0 | 87 | 34.8 |
| 2 | B21241 | AFSAL AMEEN P M | Boy | NRI | 11 | 21 | 0 | 20 | - | 23 | 3 | 2 | 0 | 75 | 30 |
| 3 | B21155 | ANGELOS PAUL ANTONY | Boy | Management Quota | 26 | 13 | 20 | - | 18 | 9 | 2 | 3 | 0 | 86 | 34.4 |
| 4 | B21139 | AYISHA SAFA | Girl | Merit | 25 | 16 | 9 | 36 | - | 32 | 3 | 2 | 0 | 118 | 47.2 |
| 5 | B21219 | GAITH M.S | Boy | NRI | 23 | 16 | 27 | 27 | - | 20 | 4 | 1 | 0 | 113 | 45.2 |
| 6 | B21042 | MOHAMMAD RAFEEK M A | Boy | Management Quota | 26 | 23 | 29 | 42 | - | 25 | 5 | 0 | 0 | 145 | 58 |
| 7 | B21193 | MOHAMMED FAYAS C A | Boy | NRI | 3 | 2 | 3 | 3 | - | 7 | 0 | 5 | 0 | 18 | 7.2 |
| 8 | B21109 | MOHAMMED MINSHAD A A | Boy | NRI | 33 | 21 | 21 | 28 | - | 24 | 5 | 0 | 0 | 127 | 50.8 |
| 9 | B21257 | MOHAMMED YOONAS K S | Boy | NRI | 21 | 3 | 5 | 0 | - | 14 | 1 | 4 | 0 | 43 | 17.2 |
| 10 | B21180 | MUHAMMED IHSAN | Boy | Management Quota | 26 | 8 | 5 | 17 | - | 8 | 1 | 4 | 0 | 64 | 25.6 |
| 11 | B21168 | MUHAMMED RASHID P S | Boy | NRI | 20 | 13 | 8 | 9 | - | 23 | 2 | 3 | 0 | 73 | 29.2 |
| 12 | B21221 | MUHAMMED RIYAS M | Boy | Management Quota | 42 | 37 | 37 | - | 41 | 38 | 5 | 0 | 0 | 195 | 78 |
| 13 | B21202 | MUHAMMED SAMJAD A A | Boy | Merit | 5 | 4 | 2 | 11 | - | 25 | 1 | 4 | 0 | 47 | 18.8 |
| 14 | B21210 | MUHAMMED YASIN N.N | Boy | NRI | 24 | 4 | 0 | 1 | - | 22 | 2 | 3 | 0 | 51 | 20.4 |
| 15 | B21174 | NAZIM HUSSAM V A | Boy | NRI | 35 | 24 | 31 | 43 | - | 29 | 5 | 0 | 0 | 162 | 64.8 |
| 16 | B21211 | NIHAL KOCHUPANDARAKULATH KHALEEL | Boy | Management Quota | 35 | 29 | 32 | - | 37 | 25 | 5 | 0 | 0 | 158 | 63.2 |
| 17 | B21141 | SAHIL K ANAS | Boy | NRI | 21 | 10 | 0 | 4 | - | 24 | 2 | 3 | 0 | 59 | 23.6 |
| 18 | B21250 | SHAAD ALI | Boy | Management Quota | 43 | 41 | 46 | 49 | - | 43 | 5 | 0 | 0 | 222 | 88.8 |
| 19 | B21171 | SYED MOHAMMED TAUFIQ | Boy | NRI | 32 | 18 | 2 | - | 23 | 22 | 3 | 2 | 0 | 97 | 38.8 |
| 20 | B21272 | USMAAN ALI K.A | Boy | NRI | 32 | 14 | 37 | - | 29 | 32 | 4 | 1 | 0 | 144 | 57.6 |
| 21 | B21189 | VYSHNAVI J P | Girl | NRI | 37 | 10 | 7 | 22 | - | 23 | 3 | 2 | 0 | 99 | 39.6 |

| | | | | | | |
|------------------------|-------|-------|-------|-------|------|-------|
| Average Marks | 25.52 | 12.48 | 15.33 | 20.31 | 29.6 | 24.38 |
| Number of Fails | 4 | 14 | 12 | 8 | 1 | 4 |

Result Analysis

| | |
|--|---------|
| Total number of Students | 21 |
| Number of full pass | 6 |
| Pass Percentage | 28.57 % |
| No. of students failed in 1 subject | 2 |
| No. of students failed in 2 subject | 1 |
| No. of students failed in 3 subject | 4 |
| No. of students failed in more than 3 subjects | 8 |

| QUOTA | Total Num | No. of Pass | No. of Fail | Pass % |
|------------------|-----------|-------------|-------------|---------|
| Merit | 2 | 0 | 2 | 0 % |
| Management Quota | 7 | 4 | 3 | 57.14 % |
| NRI | 12 | 2 | 10 | 16.67 % |

| BOY/GIRL | Total Num | No. of Pass | No. of Fail | Pass % |
|----------|-----------|-------------|-------------|---------|
| BOY | 19 | 6 | 13 | 31.58 % |
| GIRL | 2 | 0 | 2 | 0 % |

| | | |
|------------------------|-----|------------------|
| Top Performance | 222 | SHAAD ALI |
|------------------------|-----|------------------|

| Subject Code | Subject Name | No. of Pass | No. of Fail | No. of Abs | Average Marks | Pass % | Name of the Teacher |
|--------------|--------------------------------------|-------------|-------------|------------|---------------|--------|---------------------|
| MET302 | HEAT & MASS TRANSFER | 17 | 4 | 0 | 25.52 | 80.95% | SANDEEP K V |
| MET304 | DYNAMICS AND DESIGN OF MACHINERY | 7 | 14 | 0 | 12.48 | 33.33% | DR. SAJITH T.A |
| MET306 | ADVANCED MANUFACTURING ENGINEERING | 9 | 12 | 0 | 15.33 | 42.86% | MUHASIN K M |
| MET312 | NON DESTRUCTIVE TESTING | 8 | 8 | 0 | 20.31 | 50% | PRADEEP P D |
| MET352 | AUTOMOBILE ENGINEERING | 4 | 1 | 0 | 29.6 | 80% | RAJEESH R PILLAI |
| HUT300 | INDUSTRIAL ECONOMICS & FOREIGN TRADE | 17 | 4 | 0 | 24.38 | 80.95% | SUBIN JOSEPH |

Class Advisor

Head of the Department



KMEA ENGINEERING COLLEGE
DEPARTMENT OF: MECHANICAL ENGINEERING
SEMESTER - : VITH SEMESTER ADMISSION YEAR: 2021

CONSOLIDATED MARKS - SERIES TEST 2

| Sl No | Register Number | Name of the Student | Boy or Girl | Quota | MET302 | MET304 | MET306 | MET312 | MET352 | HUT300 | No. of Pass | No. of Fail | No. of Abs | Total Marks | % Marks |
|-------|-----------------|----------------------------------|-------------|------------------|--------|--------|--------|--------|--------|--------|-------------|-------------|------------|-------------|---------|
| 1 | B21170 | AAQUIB MOHAMED K M | Boy | Management Quota | 33 | 32 | 3 | 13 | - | 0 | 2 | 3 | 0 | 81 | 32.4 |
| 2 | B21241 | AFSAL AMEEN P M | Boy | NRI | 34 | 32 | 3 | 20 | - | 23 | 4 | 1 | 0 | 112 | 44.8 |
| 3 | B21155 | ANGELOS PAUL ANTONY | Boy | Management Quota | 46 | 28 | 30 | - | 22 | 35 | 5 | 0 | 0 | 161 | 64.4 |
| 4 | B21139 | AYISHA SAFA | Girl | Merit | 26 | 32 | | 36 | - | 44 | 4 | 1 | 0 | 138 | 69 |
| 5 | B21219 | GAITH M.S | Boy | NRI | 44 | 32 | 25 | 27 | - | 23 | 5 | 0 | 0 | 151 | 60.4 |
| 6 | B21042 | MOHAMMAD RAFEEK M A | Boy | Management Quota | 44 | 27 | 21 | 42 | - | 42 | 5 | 0 | 0 | 176 | 70.4 |
| 7 | B21193 | MOHAMMED FAYAS C A | Boy | NRI | 40 | 2 | 7 | 3 | - | 3 | 1 | 4 | 0 | 55 | 22 |
| 8 | B21109 | MOHAMMED MINSHAD A A | Boy | NRI | 48 | 25 | 27 | 28 | - | 20 | 5 | 0 | 0 | 148 | 59.2 |
| 9 | B21257 | MOHAMMED YOONAS K S | Boy | NRI | 32 | 32 | 3 | 0 | - | 0 | 2 | 3 | 0 | 67 | 26.8 |
| 10 | B21180 | MUHAMMED IHSAN | Boy | Management Quota | 44 | 34 | 3 | 17 | - | 23 | 3 | 2 | 0 | 121 | 48.4 |
| 11 | B21168 | MUHAMMED RASHID P S | Boy | NRI | 46 | 29 | 18 | 9 | - | 22 | 3 | 2 | 0 | 124 | 49.6 |
| 12 | B21221 | MUHAMMED RIYAS M | Boy | Management Quota | 50 | 28 | 33 | - | 43 | 44 | 5 | 0 | 0 | 198 | 79.2 |
| 13 | B21202 | MUHAMMED SAMJAD A A | Boy | Merit | 42 | 37 | 1 | 11 | - | 25 | 3 | 2 | 0 | 116 | 46.4 |
| 14 | B21210 | MUHAMMED YASIN N.N | Boy | NRI | 40 | 37 | 1 | 1 | - | 23 | 3 | 2 | 0 | 102 | 40.8 |
| 15 | B21174 | NAZIM HUSSAM V A | Boy | NRI | 46 | 26 | 33 | 43 | - | 32 | 5 | 0 | 0 | 180 | 72 |
| 16 | B21211 | NIHAL KOCHUPANDARAKULATH KHALEEL | Boy | Management Quota | 46 | 23 | 29 | - | 30 | 23 | 5 | 0 | 0 | 151 | 60.4 |
| 17 | B21141 | SAHIL K ANAS | Boy | NRI | 34 | 33 | 0 | 4 | - | 24 | 3 | 2 | 0 | 95 | 38 |
| 18 | B21250 | SHAAD ALI | Boy | Management Quota | 50 | 36 | 41 | 49 | - | 43 | 5 | 0 | 0 | 219 | 87.6 |
| 19 | B21171 | SYED MOHAMMED TAUFIQ | Boy | NRI | 40 | 27 | 15 | - | 22 | 22 | 4 | 1 | 0 | 126 | 50.4 |
| 20 | B21272 | USMAAN ALI K.A | Boy | NRI | 45 | 36 | 27 | - | 38 | 36 | 5 | 0 | 0 | 182 | 72.8 |
| 21 | B21189 | VYSHNAVI J P | Girl | NRI | 40 | 32 | 35 | 22 | - | 23 | 5 | 0 | 0 | 152 | 60.8 |

| | | | | | | |
|------------------------|-------|------|-------|-------|----|-------|
| Average Marks | 41.43 | 9.48 | 17.75 | 16.38 | 33 | 25.24 |
| Number of Fails | 0 | 1 | 11 | 8 | 0 | 3 |

Result Analysis

| | |
|--|---------|
| Total number of Students | 21 |
| Number of full pass | 10 |
| Pass Percentage | 47.62 % |
| No. of students failed in 1 subject | 2 |
| No. of students failed in 2 subject | 1 |
| No. of students failed in 3 subject | 4 |
| No. of students failed in more than 3 subjects | 8 |

| QUOTA | Total Num | No. of Pass | No. of Fail | Pass % |
|------------------|-----------|-------------|-------------|---------|
| Merit | 2 | 0 | 2 | 0 % |
| Management Quota | 7 | 5 | 2 | 71.43 % |
| NRI | 12 | 5 | 7 | 41.67 % |

| BOY/GIRL | Total Num | No. of Pass | No. of Fail | Pass % |
|----------|-----------|-------------|-------------|---------|
| BOY | 19 | 9 | 10 | 47.37 % |
| GIRL | 2 | 1 | 1 | 50 % |

| | | |
|------------------------|-----|------------------|
| Top Performance | 219 | SHAAD ALI |
|------------------------|-----|------------------|

| Subject Code | Subject Name | No. of Pass | No. of Fail | No. of Abs | Average Marks | Pass % | Name of the Teacher |
|--------------|--------------------------------------|-------------|-------------|------------|---------------|--------|---------------------|
| MET302 | HEAT & MASS TRANSFER | 21 | 0 | 0 | 41.43 | 100% | SANDEEP K V |
| MET304 | DYNAMICS AND DESIGN OF MACHINERY | 20 | 1 | 0 | 9.48 | 95.24% | DR. SAJITH T.A |
| MET306 | ADVANCED MANUFACTURING ENGINEERING | 10 | 11 | 0 | 17.75 | 47.62% | MUHASIN K M |
| MET312 | NON DESTRUCTIVE TESTING | 8 | 8 | 0 | 16.38 | 50% | PRADEEP P D |
| MET352 | AUTOMOBILE ENGINEERING | 5 | 0 | 0 | 33 | 100% | RAJEESH R PILLAI |
| HUT300 | INDUSTRIAL ECONOMICS & FOREIGN TRADE | 18 | 3 | 0 | 25.24 | 85.71% | SUBIN JOSEPH |

Class Advisor

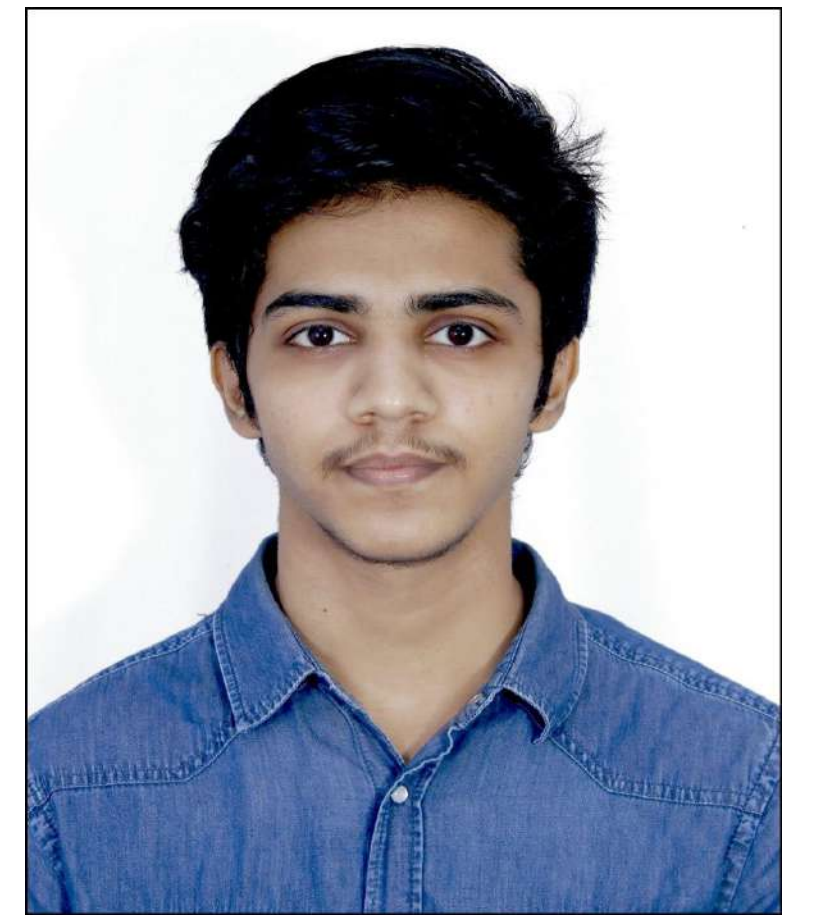
Head of the Department



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ABDULLAH NAUSHAD

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **69** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 23.88/25 | Proctored Exam | 44.77/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **12432**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S555300067

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ARSHAKH HANEEN

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **68** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 24.66/25 | Proctored Exam | 43.24/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **12432**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S555300403

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NAFEESATHUL MIZRIYA V N

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **69** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 24.22/25 | Proctored Exam | 44.39/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **9310**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

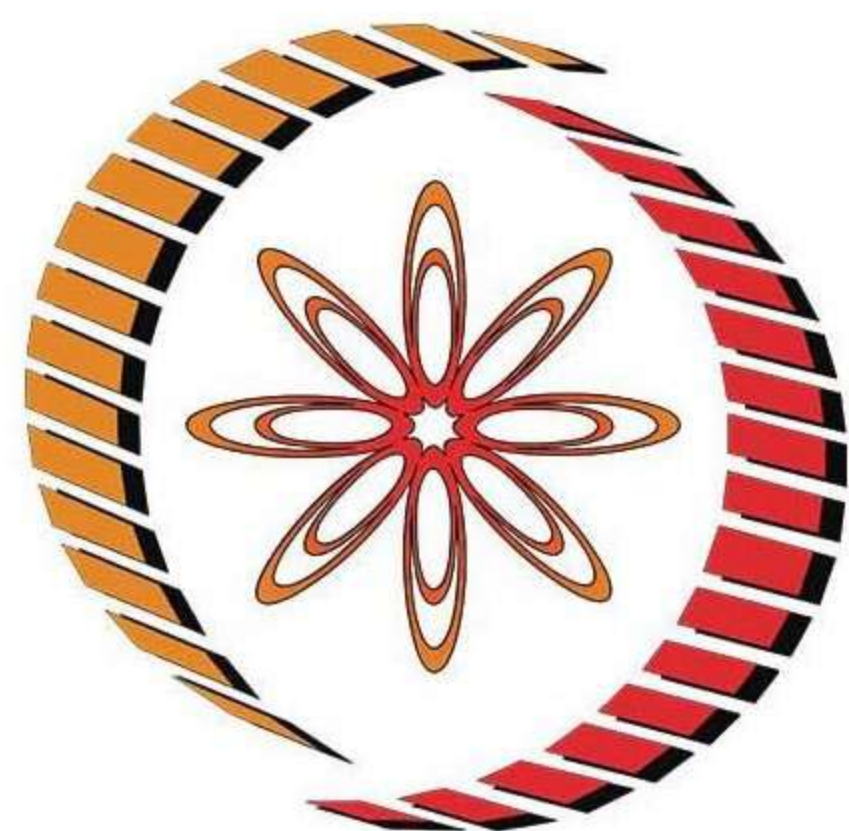


Roll No: NPTEL24CS19S361200035

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NIHALA JASMIN CK

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **51** %

| | | | |
|--------------------|----------|----------------|-------|
| Online Assignments | 21.25/25 | Proctored Exam | 30/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **9310**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur

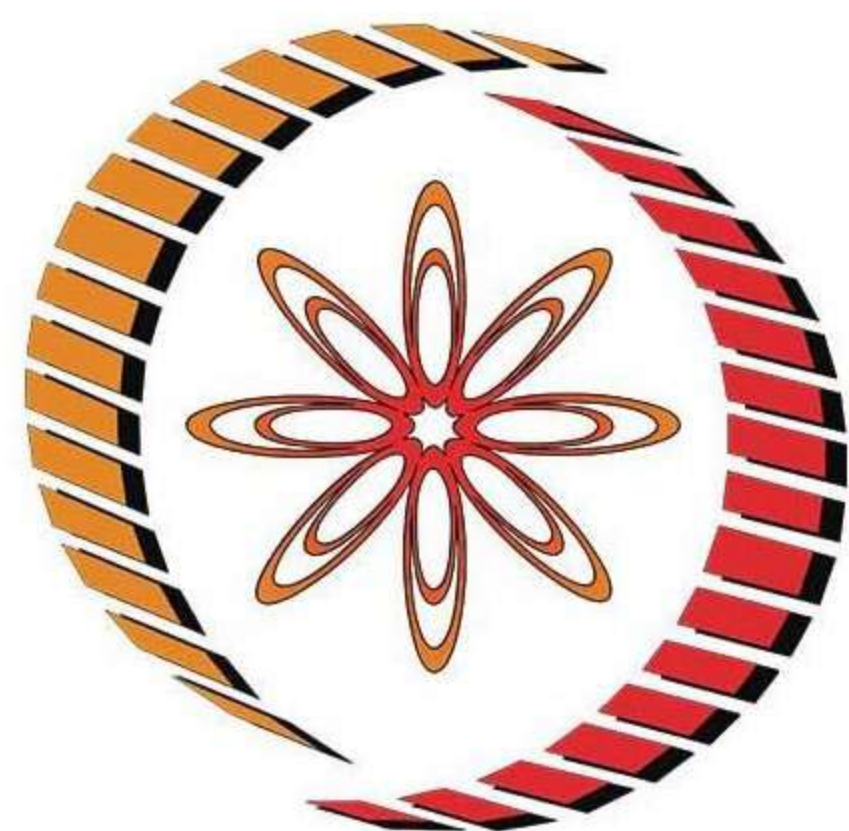


Roll No: NPTEL24CS19S461200081

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ROHIT JAISON

for successfully completing the course

Data Analytics with Python

with a consolidated score of **51** %

| | | | |
|--------------------|----------|----------------|-------|
| Online Assignments | 20.66/25 | Proctored Exam | 30/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **11220**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024
(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee

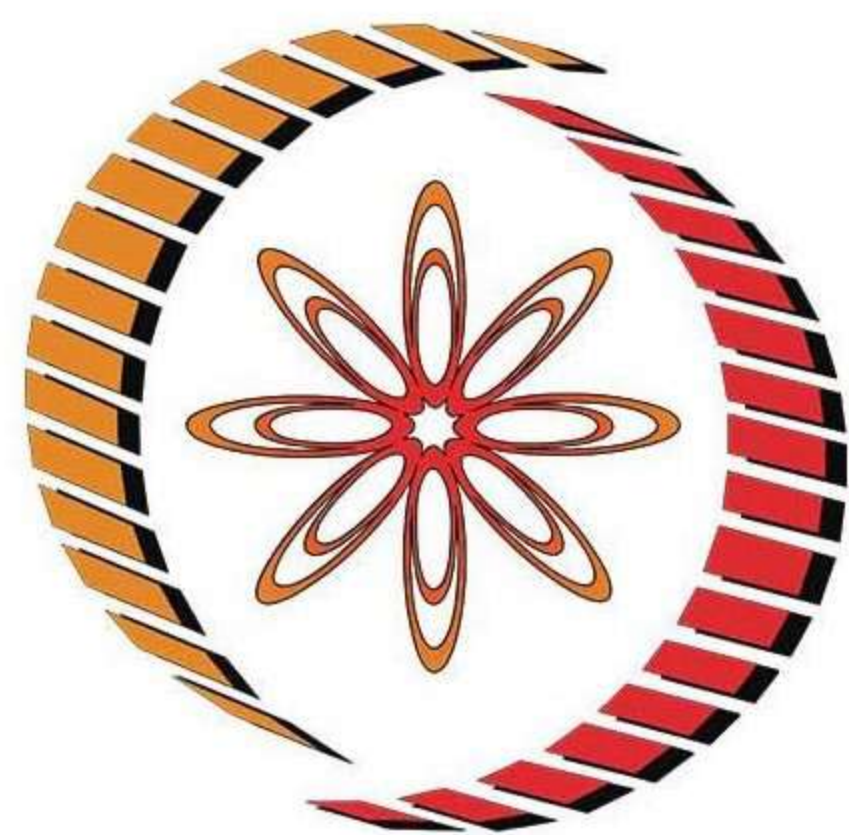


Roll No: NPTEL24CS20S1055300893

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RITHA SALIM K

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **57** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 24.38/25 | Proctored Exam | 32.81/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **9310**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur

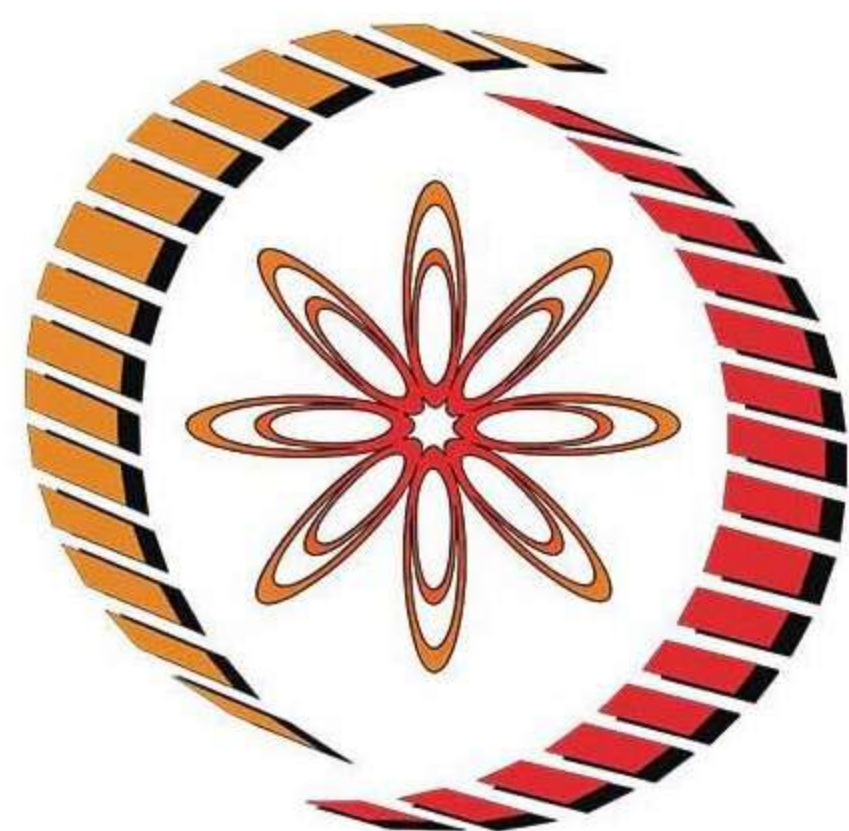


Roll No: NPTEL24CS19S461200118

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHAMIN IRFAN

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **75** %

| | | | |
|--------------------|----------|----------------|---------|
| Online Assignments | 24.63/25 | Proctored Exam | 50.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: **12432**

Prof. Devendra Jaliha

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S655301433

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MOHAMMED SAKIR P N

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **48** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 16.78/25 | Proctored Exam | 30.75/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **12432**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S655301640

To verify the certificate



No. of credits recommended: 3 or 4

Minutes of the PTA Executive Committee Meeting on 27-02-2024

1. Achievements

- The B.Tech courses in Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electrical and Electronics Engineering, and Computer Science and Engineering are accredited by National Board of Accreditation.
- Three conferences, International Conference on Advances in Computing, Communication and Electrical Systems (ICACCES), International Conference on Technological Advancements in Civil and Mechanical Engineering (ICTACME) and IntelliBotics: International Conference on Intelligent Hardware- Software Robotics (ICHSR) was conducted on 22nd and 23rd of February, 2024. Conferences or Symposiums will be held in college every year.
- Students are performing well in Kabadi championship in State level and National level competitions.
- College excels in co-curricular activities and student chapters of IEEE, IETE etc. Student participation in these professional bodies should be encouraged by parents.

2. New Credit System

The new credit system was elaborated to parents and they were informed about the credit requirements to be promoted to third year and fourth year. 2020-21 and 2021-22 admitted students are exempted from this rule because of the Covid-19 restrictions. This rule will be re-implemented from the 2022-23 admitted students onwards.

3. Students' Academic Performance- subject specific outcome and result

- Committee insisted on making the students focus on academics through their involvement in innovative teaching learning.
- Collective effort from the part of teachers and parents is needed to make students do their daily lessons.
- PTA members pointed out the importance of group learning which was effective in the previous semester.

4. General Discipline

Committee discussed the importance of students coming to classes on time neatly dressed and in a disciplined manner.

5. Malpractice cases and Punishment

Parents were informed about the punishments and fine the University is imposing on students caught doing malpractice of any nature. The committee decided to be strict in dealing with students doing malpractice during Series Tests also.

6. Placement Prospects

- PTA members pointed out the necessity of placement related skilled programs from the lower semesters onwards.
- Students are having less awareness about the importance of placement training sessions. Students need to be given awareness by both parents and teachers.



- Attendance in Placement Training and Placement Drives has to be ensured by both parents and teachers.
- Involvement of parents is crucial to make students being placed during the B.Tech Program.

7. New Courses in KMEA Engineering College

- Three new courses, MCA, B.Tech in Data Science and Artificial Intelligence, M.Tech in Industrial Automation are getting started from 2024 admission.

8. First series exams are scheduled to be conducted on 14th, 15th and 16th of March, 2024. Those students who fail to score above 30 marks out of 50 will be given special coaching classes.
9. The required students will be having the facility to meet the College Counsellor.
10. All parents are requested to attend the open house.
11. Participation in Arts and Sports activities by students is required for the overall development of students, and it should be encouraged by parents.

Action Taken Report

All the activities being held in college is being regularly informed to parents. Parents are actively involving in the academic growth of students, and aim to improve the overall result of each class.



Sheema Kuriyan

First Advisory Committee Meeting

Department : EEE

Venue : C407

Semester : S1

Date & Time : 1:00pm, 25-9-2023

Academic Year : 2023-2024

Agenda,

1. To discuss the syllabus, course plan & conduct of class of each subject.
2. To discuss problems regarding any topics in the current semester.
3. To discuss other issues related to academics.
4. To discuss the attendance.

Members

1. Dr. Reena Sebastian, HoD EEE
2. Ms. Fareeda A Kazeem, SFA
3. Ms. Nimmy Charles, FA
4. All S1 EEE students.

Minutes

- Discussed about the syllabus, and course plan.
- Discussed about the dates of assignment submission, series test etc.
- Discussed about credit requirements & year out issues
- Discussed about the eligibility for writing university exams.
- Decided to conduct an industrial visit in this semester.

Members Present

Dr. Reena Sebastian
Ms. Fareeda A Kazeem

RS
AK

Ms. Nimmy Charles.

~~Wings~~

YUZRIN FATHIMA K.A. ~~Yuzrin Fathima~~

Sufyan Ali

~~Sufyan~~

SILAIK AAZIM ~~Silaim~~

Yejurkasanak

~~Yejurkasanak~~

Adhna Nazha V.S. ~~Adhna~~

Joniyo John

~~Joniyo~~

Rahmath. K.G. ~~Rahmath~~

Jeswil Siju

~~Jeswil~~

Adhil P.S. ~~Adhil~~

Nehroin T.R.

~~Nehroin~~

Abul Khaik K.S. ~~Abul Khaik~~

Muhammad Jazeel V.A.

~~Jazeel~~

Nihala Fathima A.A. ~~Nihala~~

Farhan V.A.

~~Farhan~~

ALTHAF V.A. ~~Althaf~~

Muhammad Niyam P.N.

Anisudh. P.S. ~~Anisudh~~

Aviraah. P.K. ~~Aviraah~~

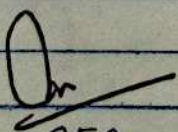
Muhammed Adhil T.M. ~~Adhil~~

Abhishek Reji

~~Abhishek~~

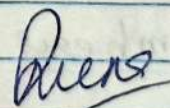
Action Taken.

- Decided to give special attention & special classes for better results.
- Published monthly attendance & informed parents.
- Conducted IV to solar power plant - CIAI on 14/11/2023



SFA

Ms. Fareeda A. Kareem



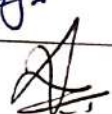
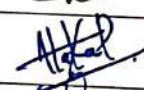


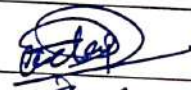





H.O.D

Dr. Reena Sebastian

| COURSE COMMITTEE MEETING -I | | | |
|---------------------------------------|------------|-------------|--------------------|
| ESL 120 CIVIL AND MECHANICAL WORKSHOP | | | |
| Academic year | 2023-2024 | Venue | ME Department |
| Class | S2ME,CE,SF | Date & Time | 06-02-2024, 1:00pm |

The following members are hereby requested to kindly attend the Meeting.

| S.No. | Name | Designation | Signature | Remarks |
|-------|-------------------------------------|------------------------|--|----------|
| 1. | Ranjith Kumar T B | Assistant Professor |  | Chairman |
| 2. | Ayishathu Noora Aslam | Assistant Professor |  | CE |
| 3. | Sandhya Anand | Assistant Professor |  | CE |
| 4. | Alaka P | Assistant Professor |  | SF |
| 5. | Haris P | Assistant Professor |  | ME |
| 6. | Suriya S | Assistant Professor |  | ME |
| 7. | Pradeep P D | Assistant Professor |  | ME |
| 8. | Nihal Muhammed P P | Student representative |  | CE |
| 9. | Sharavan Ratheesh | Student representative |  | ME |
| 10. | Yasar Arafath Aravind P. Biju | Student representative |  | SF |

AGENDA:

1. To monitor the conduct of the course.
2. To monitor adherence to the course plan.
3. To monitor the time schedule and completion of the syllabus.
4. To address the difficulties faced by students.

Minutes of I4 course Committee meeting

Date: 6.02.24

Time: 12:30 pm







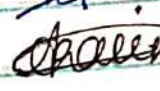


Venue: Mechanical department

Course: EEL120 Civil & Mechanical workshop.

Agenda

1. To monitor the conduct of the course
2. To monitor adherence to the course plan
3. To monitor the time schedule & completion of the syllabus
4. To address the difficulties faced by students.

Members present

1. Ranjith Kumar T.B. 
2. Pradeep P.D. 
3. Surya S. 
4. Akash P. 
5. Sandhya Anand 
6. Ayishathu Noora Aslam 
7. HARIS P.A. 
8. Shravan Ratheesh 
9. Aparind P. Biju 

Minutes of the meeting

1. Chairman welcomes all the attendees
2. Faculties should strictly adhere to course plan
3. & it complete as earliest.
3. Continuous evaluation of student should be done & it properly documented.
4. Instructed all faculties to monitor all students wear uniforms & shoes.

All students must follow the safety rules & regulations.

5. Instructed all faculties to finalise the lab manual & it has to give will given to the students at the earliest.

6. After completing each practice inform all students to complete their record & submit the same.

Action taken

1. Faculties prepared the course plan
2. Lab manual finalised & it given to students
3. All faculties monitoring the class code & report to concerned BOD's.





Computer Science and Engineering 2k22

Semester : IIIrd Semester

RESULT ANALYSIS

| | |
|-----------------------------------|-------|
| Total number of students appeared | 64 |
| Number of students passed | 45 |
| Number of students Failed | 19 |
| Pass Percentage | 70.31 |
| Fail Percentage | 29.69 |

SUBJECT-WISE ANALYSIS

| Slot | Subject Code | Name of the Subject | Faculty | Pass % | Failed Total Number | Failure % | No. of Absentees |
|------|--------------|---|--------------------------------------|--------|---------------------|-----------|------------------|
| | MAT203 | DISCRETE MATHEMATICAL STRUCTURES | NASEEMA V A | 82.81 | 11 | 17.19 | 0 |
| | CST201 | DATA STRUCTURES | SELIN M. SAIFA E M | 87.5 | 8 | 12.5 | 0 |
| | CST203 | LOGIC SYSTEM DESIGN | ABEERA V.P | 79.69 | 13 | 20.31 | 0 |
| | CST205 | OBJECT ORIENTED PROGRAMMING USING JAVA | SHYNI SHAJAHAN | 85.94 | 9 | 14.06 | 0 |
| | HUT200 | PROFESSIONAL ETHICS | SUBIN JOSEPH | 98.44 | 1 | 1.56 | 0 |
| | MCN201 | SUSTAINABLE ENGINEERING | RASHIDA HAMEED | 96.88 | 2 | 3.13 | 0 |
| | CSL201 | DATA STRUCTURES LAB | ABEERA V.P SELIN M. SAIFA E M | 95.31 | 3 | 4.69 | 0 |
| | CSL203 | OBJECT ORIENTED PROGRAMMING LAB (IN JAVA) | SHYNI SHAJAHAN FASALUL FASEEH K A | 96.88 | 2 | 3.13 | 0 |

LIST OF FAILURES SUBJECT WISE

| No.of Subjects Failed | Name of Student | Subject |
|-----------------------|---------------------|---|
| 1 | CYRIL JOHN | DISCRETE MATHEMATICAL STRUCTURES |
| | FATHIMATHU NISHANA | LOGIC SYSTEM DESIGN |
| | HIBA SALAM M A | DATA STRUCTURES LAB |
| | KADHEEJA AFNAAN A | DATA STRUCTURES LAB |
| | SHAMON M SAIDH | LOGIC SYSTEM DESIGN |
| 2 | FARHAN S AHAMMED | DISCRETE MATHEMATICAL STRUCTURES |
| | | DATA STRUCTURES |
| | FATHIMA A A | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | FAYIZ MUHAMMED | DISCRETE MATHEMATICAL STRUCTURES |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | MOHAMMED ANSIL K R | DISCRETE MATHEMATICAL STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | MUHAMMED SINAN V K | DISCRETE MATHEMATICAL STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | SULEKHA HANNATH M A | DISCRETE MATHEMATICAL STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| 3 | ALTHAF E S | DATA STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | FAZILA ARIF | DATA STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | M MUHAMMED JABIR | DATA STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | MUHAMAD SAHEEL | DISCRETE MATHEMATICAL STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | RISWAN C A | DISCRETE MATHEMATICAL STRUCTURES |
| | | DATA STRUCTURES |
| | | DATA STRUCTURES LAB |
| 4 | MOHAMMED IHSAN P A | DISCRETE MATHEMATICAL STRUCTURES |
| | | DATA STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| 6 | ABDU NAFIH K M | DISCRETE MATHEMATICAL STRUCTURES |
| | | DATA STRUCTURES |
| | | LOGIC SYSTEM DESIGN |
| | | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | | SUSTAINABLE ENGINEERING |
| | | OBJECT ORIENTED PROGRAMMING LAB (IN JAVA) |
| | | DISCRETE MATHEMATICAL STRUCTURES |
| | | DATA STRUCTURES |
| | | LOGIC SYSTEM DESIGN |

| | | |
|---|-------------------|---|
| 7 | ASLAH ABDUL SALAM | OBJECT ORIENTED PROGRAMMING USING JAVA |
| | | PROFESSIONAL ETHICS |
| | | SUSTAINABLE ENGINEERING |
| | | OBJECT ORIENTED PROGRAMMING LAB (IN JAVA) |

Group Tutor

Head of Department



C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU



EVENT :ACCELERATORS AND INCUBATION

Event Details

| Date | Time | Mode |
|-------------|-------------|-------------|
| 17/08/2024 | 11:00 AM | online |

Faculty in charge

| Name | Designation |
|------------------|-----------------|
| Dr Sangeetha C P | IIC coordinator |

Objectives :

This session ensures a comprehensive understanding of incubation and accelerator programs, their benefits, and how startups can maximize their participation.

Report of the event:

A session on 'Accelerators and Incubation' was conducted on 17th August 2024 at 11 am. The students who registered for the event were added to a group to know the session details. The session started with an introduction about the resource person Mr Akhil Madav by Karthik N Nair, Student S3 RA. The session was taken by Akhil Madhav , Program Manager, Start2group, German Accelerator. He prepared slides for better knowledge of incubation and the session was quite interactive. The session includes details like what is incubation and accelerator, when to approach incubation, how to approach

accelerator programme etc. The session lasts two hours and ended with vote of thanks by Karthik N Nair. The session was much successful. Number of participants were 40 from various departments.



C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
Approved by AICTE Affiliated to APJ Abdul Kalam Technological University
EDATHALA PO, COCHIN, KERALA, INDIA 683561



DEPARTMENT OF ROBOTICS & AUTOMATION

organises

Session on **Accelerators and Incubation**



led by

ARKHIL MADAV

(Program Manager - Start2group
German accelerator)



<https://meet.google.com/nxi-wvox-tyh>



11:00 A. M, 17th August 2024



Onedrive - Google Drive | Search - Google Drive | Chat/Call Details - Google Drive | Meet - Zoom Meeting | You are signed in as ash

meet.google.com/.../.../.../...

Be a studentpreneur

INCUBATORS x ACCELERATORS

KMEX COLLEGE OF ENGINEERING

11:05 AM | rd-wvoo-tbh

11:05 AM

Onedrive - Google Drive | Search - Google Drive | Chat/Call Details - Google Drive | Meet - Zoom Meeting | You are signed in as ash

meet.google.com/.../.../.../...

HOW TO GENERATE A STARTUP IDEAS

Identify Problems or Pain Points:

- Observe everyday challenges people face.
- Consider problems you've personally encountered.
- Look for inefficiencies in solving processes.
- Focus on areas where you have expertise or a strong interest.
- Participate in hackathons or startup events to generate ideas.

11:11 AM | rd-wvoo-tbh

11:11 AM

Meeting URL: meet.google.com/.../.../.../...

Meeting Name: Ashi Madav (Presenting)

INCUBATION CENTERS IN KERALA

- Kerala Startup Mission (KSJM)
Focus: General Technology, Social Impact
- Maker Village
Focus: Hardware, IoT, Electronics, Robotics
- BioQuest (Rajiv Gandhi Centre for Biotechnology)
Focus: Biotechnology, Life Sciences
- Kerala Institute for Entrepreneurship Development (KIED)
Focus: General Entrepreneurship, Skill up
- NASSCOM 10,000 Storage Warehouse (Kochi)
Focus: Information Technology, Digital Startup
- IM Kozhikode, IIT
Focus: Business, Management, Technology
- Startup Valley, Amal Jyothi College of Engineering
Focus: Technology, Engineering, Product Development
- Amrita TBI (Technology Business Incubator)
Focus: Technology, Social Innovation, Healthcare
- FabLab Kerala
Focus: Digital Fabrication, Product Design Innovation

11:29 AM | no-voice-1vh

Meeting URL: meet.google.com/.../.../.../...

Meeting Name: Ashi Madav (Presenting)

STARTUP SUCCESS STORIES

| | |
|---|---|
| OLA Program: Incubated at IIT Bombay's business incubator | unacademy Program: Incubated at IIT Bombay's business incubator |
| meesho Program: Part of Y Combinator's Summer 2016 batch | Urban Company Program: Incubated at IIT Bombay's business incubator |
| zomato Program: Supported by IITs Edge incubation program | airbnb Program: Part of Y Combinator's program |
| SWIGGY Program: Incubated by Accel Partners | |

11:35 AM | no-voice-1vh



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. Sija Arun |

Type of Activity:

| |
|---------|
| Seminar |
|---------|

Title of Activity :

| |
|------------------------------------|
| Workshop on "3D PRINTING WORKSHOP" |
|------------------------------------|

Objective :

| |
|---|
| The aim of the workshop is to give awareness among the students, about the concept of 3D Printing Technology. |
|---|

Level of activity (College/Regional / National / International) and target audience

| |
|---------------------------|
| College Level S6 Students |
|---------------------------|

Expected outcome - academic / social / commercial

Add rows as required

| |
|---|
| • |
|---|

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|---------|---------|----------|--|---|
| 1/04/24 | 1.15 pm | Workshop | Seminar Hall, Auditorium block, KMEA Engineering College | Projector , Screen , sound system |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|---------------|------------------|--------------------------|-------------------|
| Mr.Sunil Paul | Visiting Faculty | KMEA Engineering College | R |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in |
|---------------|--|---------|---|--------------------------------------|--------------------------|
| Mr.Sunil Paul | Visiting Faculty, KMEA Engineering College | | Mr.Sunil Paul, Visiting Faculty, KMEA Engineering College | | NIL |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | Nil |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|---|------------------------------|
| Name | Ms. Husaiba N M/Mr.Muhammed Ajmal | Mr.Amal J |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Civil Engineering | Civil Engineering |
| Cell number | 9846866675/8089899776 | 9074545442 |
| Email | hnm.ce@kmeacollege.ac.in/ maj.ce@kmeacollege.ac.in | amj.ce@kmeacollege.a c.in |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The session started at 1.30P.M. with a welcome speech by Asst. Prof. Muhammed Ajmal. The seminar began with an introduction to 3D printing technology, explaining the concept of additive manufacturing, types of 3D printers, and materials used in the process. Attendees were briefed on the diverse applications of 3D printing. They learned how to translate their ideas into digital models suitable for 3D printing. live demonstration of the 3D printing process was conducted, showcasing the various stages involved from loading the design file to the final printing of the object. Different printing techniques and settings were explained. The seminar concluded with a discussion on the future trends and challenges in 3D printing technology. Topics included advancements in materials, scalability, regulatory issues. The vote of thanks was delivered by Asst. Prof. Amal J.

***NB: Attached the following documents:**

- 1. Registration Form - NA**
- 2. Poster-attached**
- 3. Screen shots of the event covering resource person and participants-NA**
- 4. Certificate - NIL**
- 5. Feedback Form**

HOD

PRINCIPAL









INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. Sija Arun |

Type of Activity:

| |
|----------------|
| Seminar |
|----------------|

Title of Activity :

| |
|--|
| Seminar on "BIM & CONSTRUCTION MANAGEMENT" |
|--|

Objective :

| |
|---|
| The aim of the seminar is to give awareness among the students, about Building Information Modelling & Construction Management. |
|---|

Level of activity (College/Regional / National / International) and target audience

| |
|---------------------------|
| College Level S8 Students |
|---------------------------|

Expected outcome - academic / social / commercial

Add rows as required

| |
|---|
| <ul style="list-style-type: none"> • |
|---|

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-----------|----------|----------|--------------------------------------|---|
| 225/03/24 | 10.00 am | Seminar | KMEA Engineering College, Auditorium | Projector , Screen , sound system |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|----------------|---|-------------------------------|-------------------|
| Mr.Sijo Joseph | Director, CAD Campus India Private Ltd. | CAD Campus India Private Ltd. | |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in |
|----------------|-------------------------------|---------|-------------------------------------|--------------------------------------|--------------------------|
| Mr.Sijo Joseph | CAD Campus India Private Ltd. | | Mr.Sijo Joseph, Director | | NIL |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| | | | | |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
| Remuneration to speakers | Nil | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | Nil |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|------------------------------|
| Name | Ms. Husaiba N M | Mr.Muhammed Ajmal |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Civil Engineering | Civil Engineering |
| Cell number | 9846866675 | 8089899776 |
| Email | hnm.ce@kmeacollege.ac.in | maj.ce@kmeacollege.a c.in |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The session was really inspiring and gave information on how an intelligent model-based process helps the professionals to plan, design, construct and manage buildings and infrastructure efficiently. The concept of BIM from Conceptual planning to final documentation stage and also the concept of digital twin was clearly explained. The session was really interactive. The faculties and final year students of Department of Civil Engineering also attended the session.

***NB: Attached the following documents:**

1. Registration Form - NA
2. Poster-attached
3. Screen shots of the event covering resource person and participants-NA
4. Certificate - NIL
5. Feedback Form

HOD

PRINCIPAL







INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. Sija Arun |

Type of Activity:

| |
|----------------|
| Seminar |
|----------------|

Title of Activity :

| |
|--|
| Expert Talk on “Evolution of water governance and pathway to sustainable development |
|--|

Objective :

| |
|--|
| The aim of the seminar is to give awareness among the students, the importance of water governance and the equitable access of water to all sections of the society. World Water Day serves as a crucial reminder of the importance of water in sustaining life on our planet. |
|--|

Level of activity (College/Regional / National / International) and target audience

| |
|-------------------------------------|
| College Level, S2,S4,S6,S8 Students |
|-------------------------------------|

Expected outcome - academic / social / commercial

Add rows as required

- Inspired students to leverage water for peace
- Understand the evolution of water governance and its importance to sustain life in our planet.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|----------|----------|----------|--------------------------------------|---|
| 22/03/24 | 10.00 am | Seminar | KMEA Engineering College, Auditorium | Projector , Screen , sound system |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|-----------------|------------------|--|---------------------|
| Dr.Rameesha T V | Junior Scientist | Water Transport and GIS division, NATPAC | Offshore Structures |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in |
|--------|---|---------|---|--------------------------------------|--------------------------|
| NATPAC | Junior Scientist/ Water Transport and GIS division, NATPAC | | Dr.RAMEESHA T V, rameesha.natpac@gmail.com | Consultancy | NIL |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | 2000 | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | 2000 |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|------------------------------|
| Name | Ms. Husaiba N M | Mr.Muhammed Ajmal |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Civil Engineering | Civil Engineering |
| Cell number | 9846866675 | |
| Email | hnm.ce@kmeacollege.ac.in | maj.ce@kmeacollege.a c.in |
| Signature | | |

Report of the Event: (Minimum 500 Words)

On March 22nd, 2024, a pivotal seminar titled "Evolution of Water Governance and Pathway to its Sustainable Development" convened at Conference Hall, marking World Water Day with a profound exploration of one of humanity's most pressing challenges. The seminar commenced with an opening address by Dr.Rameesha T.V, Junior Scientist/Water Transport

and GIS division, NATPAC, who emphasized the critical importance of reimagining water governance in the face of escalating water crises.

***NB: Attached the following documents:**

- 1. Registration Form - NA**
- 2. Poster-attached**
- 3. Screen shots of the event covering resource person and participants-NA**
- 4. Certificate - NIL**
- 5. Feedback Form**

HOD

PRINCIPAL



**C.H. MOHAMMED EDVA
KMEA ENGINEERING COLLEGE**
APPROVED BY AICTE
AFFILIATED TO KJ Somaiya Institute of Engineering and Information Technology




ASSOCIATION OF CIVIL ENGINEERING STUDENTS
organizes an expert talk on

"EVOLUTION OF WATER GOVERNANCE AND PATHWAY TO SUSTAINABLE DEVELOPMENT"



DR. RAMEESHA TV
JUNIOR SCIENTIST
WATER TRANSPORT AND GIS DIVISION
NATPAC

IN CONNECTION WITH
WORLD WATER DAY

22 MARCH 2024, 10AM
VENUE: KMEA ENGINEERING COLLEGE, AUDITORIUM
DEPARTMENT OF CIVIL ENGINEERING

















INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. SIJA ARUN |

Type of Activity:

SEMINAR

Title of Activity :

"Workshop on 3D modelling using Sketchup"

Objective :

Add rows as required

To provide participants with a fundamental understanding of how to create a 3D model of a building with Sketchup a popular and user-friendly 3D modeling software.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College Level, S3 Civil Students and staff

Add rows as required

Expected outcome - academic / social / commercial

- Participants should gain a basic level of proficiency in navigating the SketchUp interface and using essential tools for creating and manipulating 3D models.
- Participants should develop a clear understanding of fundamental 3D modeling concepts, including geometry, surfaces, and spatial relationships.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|--------------------|----------|-----------------------------------|---|
| 05/12/2023 | 3.00 pm to 4.00 pm | Seminar | Smart Classroom, Auditorium Block | Facilities available in CE Smart Classroom |

Add rows as required

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|------------------|-------------------------|------------------------------------|-------------------|
| Fida Fathima P J | Alumni (2019-23 batch) | Gambia Constructions, Thrikkakkara | Building Design |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment [#] in Rs. |
|-----------|---------|---------|-------------------------------------|--------------------------------------|--|
| | | | | | |
| Total Rs. | | | | | ----- |

[#]Mention role of Industry/organisation.

Add rows as required..

[#]Attach copy of letters received from participating industry showing intent / financial commitment etc.

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | NIL |

Add rows as required.
Max assistance 3 Lakhs

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Fathima S Thaikudiyil | |
| Exact designation | Assistant Professor | |
| Department | Civil Engineering | |
| Cell number | 9846270831 | |
| Email | fts.ce@kmeacollege.ac.in | |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The seminar started at 3.00pm on 5th December 2023 at CE smart classroom. After the welcome speech by Mrs. Fathima S Thaikudiyil, Assistant Professor, CE Department, our Alumni Fida Fathima P J started the session with a discussion on the importance of 3D modelling in the industry. She provided clear explanations, ensuring that participants, regardless of their prior experience, were able to follow along. She explains how SketchUp can be used in architecture, interior design, urban planning, and other related fields. She also Teach participants efficient workflows for creating, modifying, and organizing 3D models in SketchUp. She introduce participants to rendering techniques and tools within SketchUp to enhance the visual quality of their models.

The seminar ended at 4.00PM after the question answer session with a vote of thanks by the coordinator .

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

PRINCIPAL



C H Mohammed Koya
K M E A Engineering College
A NAAC Accredited Institution
(Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University)



DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON 3D MODELLING USING SKETCHUP

DECEMBER 05 , 2023
TUESDAY 3:00 PM - 4:00PM
VENUE : SMART CLASSROOM
(Auditorium Block)



FIDA FATHIMA P.J

ALUMNI (2018 - 23)







C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Hands-on-session

Title of Activity:

Workshop

Objective:

To familiarize third semester students about deep learning techniques and artificial intelligence.

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- commercial

Program details

| Date | Time | Activity | Venue |
|---------------------|-----------|----------|-------------|
| 19/08/2024-24/08/24 | 9 AM-4 PM | Workshop | Systems lab |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|---------------------------|--------------------|--|--|
| 19/08/2024- 24/08/2024 | Aesthetics pvt ltd | | |
|---------------------------|--------------------|--|--|

REPORT

The five day development programme for fifth semester students was conducted to provide the basics of artificial intelligence and deep learning techniques. An inaugural function was held on the first day of the program. The inaugural function was attended by the Head of EC department Dr. Shahin M abdulla, and faculty members of ECE department. 27 students are actively participated in the session. The session includes

Session 1: Foundations of AI and ML

Session 2: Deep dive in to advanced AI platforms

Session 3: More AI platforms unveiled

Session 4: Hands on experience with AI platforms

Session 5: Real world applications and case studies

Session 6: Deep learning techniques and its challenges and applications

Add Poster and photos.

ADD ON COURSE

On AI, ML and Deep learning
For S5 Students

Venue : Systems Lab

Time : 9:30 AM - 4 :30 PM

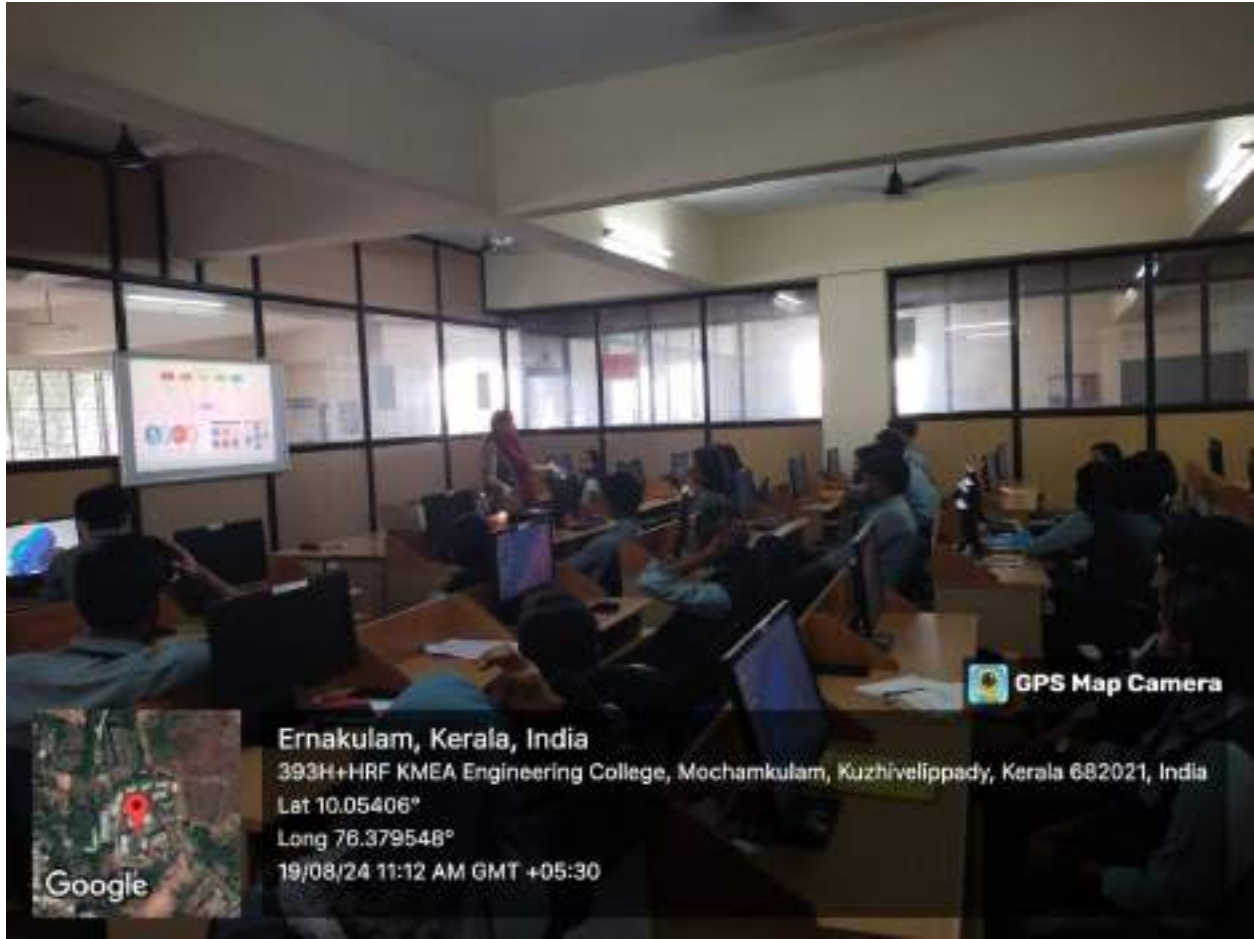
Date : August 19th to 24th



ORGANIZED BY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION







Ernakulam, Kerala, India
393H+HRF KMEA Engineering College, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.05406°
Long 76.379548°
19/08/24 11:12 AM GMT +05:30

Google



C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|----------------------------------|
| Name of the club/Department | COMPUTER SCIENCE AND ENGINEERING |
| Staff in charge | Mrs. Abeera V P |

Type of Activity:

Hands-on-session

Title of Activity:

Industrial visit

Objective:

To familiarize fourth semester students with invaluable insights into the latest trends, technologies, and innovations in computer science.

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- commercial

Program details

| Date | Time | Activity | Venue |
|------------|-----------|------------------|------------------|
| 11/07/2024 | 3 PM-6 PM | Industrial Visit | Archon Solutions |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
| | | | |



KMEA Engineering college

**Department of Computer Science
and Engineering**

INDUSTRIAL VISIT REPORT

At Archon Solutions

On 11-07-2024

INTRODUCTION

The S4 students of the Computer Science department embarked on a comprehensive industrial visit and tour, aimed at bridging the gap between academia and industry. This report highlights the visit's objectives, outcomes, and experiences.

OBJECTIVE

The objective of the industrial visit was to provide hands-on experience, expose students to cutting-edge technologies, and foster meaningful connections with industry experts. The visit aimed to offer invaluable insights into the latest trends, technologies, and innovations in computer science.

ABOUT ARCHON SOLUTIONS

Archon Solutions is a pioneering organization in the field of computer science, renowned for its innovative projects, products, and services. The company is at the forefront of technological advancements, making it an ideal destination for students seeking to explore the real-world implications of their studies.

OUTCOMES

During the visit, students engaged in interactive sessions with industry experts, gaining a deeper understanding of the practical applications of theoretical concepts. Key outcomes included:

- Insights into the latest trends, technologies, and innovations in computer science
- Understanding of the company's projects, products, and services
- Knowledge of the skills and knowledge required to succeed in the industry
- Meaningful connections with industry experts

CONCLUSION

The visit to Archon Solutions was a resounding success, providing students with a unique opportunity to explore the real-world implications of their studies. The experience was both enlightening and inspiring, and students returned with a newfound appreciation for the industry and a clearer understanding of their future career paths.





Kochi, KL, India

Railway Station Road, Edappally, Kochi, 682041
KL, India

Lat 10.024425, Long 76.307185

07/11/2024 05:52 PM GMT+05:30

Note : Captured by GPS Map Camera

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENA ZIR K K |

Type of Activity:

| |
|----------------|
| SEMINAR |
|----------------|

Title of Activity:

| |
|--|
| SEMINAR ON CYBER SECURITY AND ETHICAL HACKING |
|--|

Objectives:

| |
|--|
| <ul style="list-style-type: none">● Basic concepts of Cyber Security and Ethical Hacking● Familiarize with:<ul style="list-style-type: none">● - Surface web, Deep web, and Dark web● - Remote Access Trojans (RATs) and Malware● - Common hacking techniques (e.g., Phishing, SQL Injection, Cross-Site Scripting)● Understand how to prevent common hacking techniques through:<ul style="list-style-type: none">● - Secure coding practices● - Input validation and sanitization● - Secure authentication and authorization● - Regular software updates and patching● Learn about:<ul style="list-style-type: none">● - Anonymity and privacy tools (e.g., Tor, VPNs)● - Cryptography and encryption techniques● - Incident response and threat hunting |
|--|

Level of activity (College/Regional / National / International) and target audience

| |
|---------------|
| COLLEGE LEVEL |
| Students |

Expected outcome - academic / social / commercial

| |
|-----------------------|
| ACADEMIC & COMMERCIAL |
|-----------------------|

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|---------|--|-----------------|---|
| 24.08.2024 | 1.30 pm | Workshop on Advanced Ideas of Cyber Security and Ethical Hacking | Smart Classroom | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|----------------|---|--------------|------------------------------------|
| Shyam Krishnan | Marketing Executive | Techbyheart | Cyber Security and Ethical Hacking |
| Neeraj O | Cyber Security Analyst, Forensic Investigator | | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | | | |

| | | | | |
|---|-----|-----|----|--------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|--|
| Name | Dr Benazir K K | Mrs. Vidya Hari |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447660880 | 9447625552 |
| Email | bkk.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

On August 24, 2024, Techbyheart conducted a comprehensive seminar on cybersecurity and ethical hacking for S5 and S7 students of KMEA Engineering College. Resource persons Shyam Krishnan and Neeraj O led the engaging session, which aimed to foster collaboration and knowledge sharing among participants. The seminar provided valuable insights into the latest cybersecurity trends and threats, offering a thorough understanding of cybersecurity and ethical hacking principles. Students were familiarized with the surface web, deep web, and dark web, as well as Remote Access Trojans (RATs) and malware. They learned about common hacking techniques like phishing, SQL injection, and cross-site scripting, and gained knowledge on preventing these threats through secure coding practices, input validation, secure authentication, and regular software updates. Additionally, the seminar covered anonymity and privacy tools like Tor and VPNs, cryptography and encryption techniques, and incident response and threat hunting. Overall, the seminar was an enriching experience, equipping students with essential skills to navigate the cybersecurity landscape effectively.

HOD

PRINCIPAL



C.M. MOHAMMED KOFI
KMEA Engineering College
 Approved by AICTE
 Accredited By MAAC & NBA (M.E, O.E, EEE, E.C, CSE)



TECH-BYHEART

**CYBER
 SMART
 2024**

Securing India's digital front



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

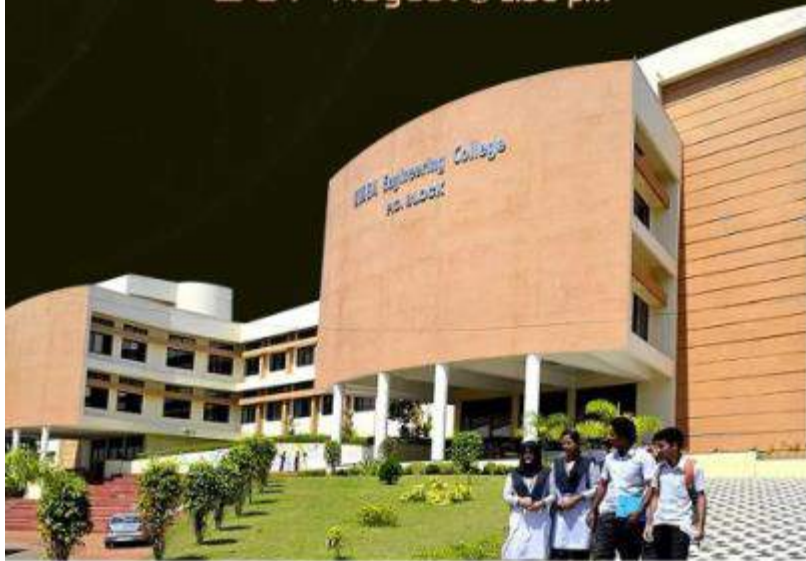
in association with

Techbyheart presents

Seminar on

Cyber Security & Ethical Hacking

24th August @ 1.30 pm





Ernakulam, Kerala, India

393H+HRF KMEA Engineering College, Mochamkulam, Kuzhivelippady, Kerala 682021, India

Lat 10.054064°

Long 76.379644°

24/08/24 02:29 PM GMT +05:30

Google

GPS Map Camera



Ernakulam, Kerala, India
393H+HRF KMEA Engineering College, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.054067°
Long 76.379646°
24/08/24 02:29 PM GMT +05:30

Google



Ernakulam, Kerala, India
399H+HRF KMEA Engineering College, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.054071°
Long 76.379638°
24/08/24 02:33 PM GMT +05:30



COMPUTER
CYBERCRIMES

GPS Map Camera



Ernakulam, Kerala, India
393H+HRF KMEA Engineering College, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.054071°
Long 76.379638°
24/08/24 02:33 PM GMT +05:30



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|---|
| Name of the Department | Department of Electrical & Electronics Engineering |
| Name of the Head of the Department | Dr. Reena Sebastian |

Type of Activity:

One day Talk Session & A Hands on Session

Title of Activity :

" One Day Workshop on Women Entrepreneurship Build-Your Own-Business "

Objective :

To provide valuable information, guidance, and inspiration to individuals interested in starting and growing their own businesses and to empower aspiring entrepreneurs by sharing knowledge, experiences, and practical tips that can help them navigate the challenges of entrepreneurship

Add rows as required

Add rows as required

Level of activity (College/Regional / National / International) and target audience

Regional for Kudumbhasree members(Thengathussery ADS, WARD 4)

Expected outcome - academic / social / commercial

- understanding of the fundamentals of entrepreneurship, including business planning, financial management, marketing, and legal considerations..
- create comprehensive business plans, which serve as roadmaps for their businesses' growth and development.
- launch their own businesses, translating their ideas into viable ventures.

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|---------------------|--|--------------------|---|
| 19/08/2023 | 10:30am to 12:30 pm | Talk session on Startup schemes for women entrepreneurship in kerala | ANGAN VADY 61 UNIT | |
| | 1:30am to 4:30 pm | A Handon session on LEB bulb making | | |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|--------------------|---------------------|---|--|
| Dr. Faseela C K | Associate Professor | Department of EEE,KMEA Engineering college. | Former IEDC Nodal Officer, power system |
| Mr.Mohammed Jaseem | Alumni-(2016-2020) | Department of EEE,KMEA Engineering college. | M.tech in power electronics, experience in Electrical accessories manufacturing industry |

| | | | |
|--------------------|---------------------|---|--|
| ,Mr.Mohammed Aslam | Alumni- (2016-2020) | Department of EEE,KMEA Engineering college. | B.tech EEE. R & D Dept of Marine Electricals |
|--------------------|---------------------|---|--|

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|------|---------|---------|-------------------------------------|--------------------------------------|------------------------------|
| | | | | | |
| NA | | | | | ----- |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Neenu B | |
| Exact designation | Assistant Professor | |
| Department | EEE | |
| Cell number | 9567479101 | |
| Email | nub.ee@kmeacollege.ac.in | |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The talk session started at 10.30am with 23 participants on 19th August 2023 at Anganvady unit no:61 ,Chunnaagenveli. After the welcome speech Ms.Neenu B session started with a discussion on the key aspects of the event, including the various schemes and programs available to support women entrepreneurs.Dr.Faseela elaborately discussed how to equip women with the skills, confidence, and networks needed to start and grow their businesses. The event featured presentations, panel discussions, interactive sessions, and networking opportunities.After that The LED Bulb Making Workshop, started at 1.30 pm with hands-on experience in assembling LED bulbs and to promote energy-efficient lighting solutions and provides a detailed guide on LED bulb making for startups, with a focus on the essential steps, equipment, resources, and challenges involved in establishing and growing an LED bulb manufacturing venture.. The talk session ended at 4.30PM after the interactive session with vote of thanks by Ms.Neenu B,Program coordinator.

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

PRINCIPAL

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|-----------------|
| WORKSHOP |
|-----------------|

Title of Activity:

| |
|---------------------------------------|
| CODE MASTERY WORKSHOP – C++ IN ACTION |
|---------------------------------------|

Objectives:

| |
|--|
| <ol style="list-style-type: none">1. Introduce +2 students to C++ fundamentals and basic syntax.2. Provide hands-on experience in writing and debugging C++ code.3. Familiarize students with control structures, functions, and basic data types.4. Encourage problem-solving skills and logical thinking.5. Write simple C++ programs using control structures and functions.6. Promote the Dept. of Computer Science, KMEA Engineering College, as a hub for quality education and training.7. Engage B.Tech final year students as mentors, fostering industry-academia collaboration. |
|--|

Level of activity (College/Regional / National / International) and target audience

| |
|-------------------------------|
| COLLEGE LEVEL Students |
|-------------------------------|

Expected outcome - academic / social / commercial

| |
|-----------------------|
| ACADEMIC & COMMERCIAL |
|-----------------------|

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|-------------------|--|--------|---|
| 02.02.2024 – 04.02.2024 | 7.00 pm – 8.00 PM | Free Online Crash Course on C++ for CBSE and State +2 Students | Online | Laptops |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|----------------------------------|--------------|-------------------|-------------------|
| S7 Students of KMEA Engg College | CSE Students | KMEA Engg College | C++ |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|------|-----------------|----------------|
| Name | Ms. Vidhya Hari | Ms. Elia Nibia |

| | | |
|-------------------|-----------------------------------|--|
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447625552 | 9633116348 |
| Email | vdh.it@kmeacollege.ac.in | ena.cs@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

| |
|--|
| <p>Day 1:</p> <p>The 3-day online workshop on C++ for +2 students, organized by the Dept. of Computer Science, KMEA Engineering College, commenced with an introduction to C++ fundamentals. The participants were familiarized with basic syntax, data types, and variables. Through interactive sessions and hands-on exercises, the students gained a solid understanding of the concepts. The B.Tech final year students, acting as mentors, provided guidance and support, ensuring a smooth learning experience.</p> <p>Day 2:</p> <p>The second day focused on control structures and functions in C++. Participants learned to write simple programs using if-else statements, loops, and functions. The mentors provided valuable insights and feedback, encouraging students to think logically and solve problems. The hands-on session was engaging, with students actively participating and clarifying doubts.</p> <p>Day 3:</p> <p>The final day was a culmination of the concepts learned, with participants working on a simple project that integrated the concepts of variables, control structures, and functions. The mentors guided them through the project, ensuring they applied their knowledge effectively. The workshop concluded with a Q&A session, where students clarified doubts and received feedback on their projects. The Dept. of Computer Science, KMEA Engineering College, successfully delivered a comprehensive introduction to C++ programming, inspiring +2 students to explore computer science further.</p> |
|--|

HOD

PRINCIPAL



C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
 APPROVED BY AICTE AFFILIATED TO KTU

DEPT OF COMPUTER SCIENCE &
 ENGINEERING PRESENTS

C++

IN ACTION!!

CODE MASTERY WORKSHOP

FEB 2 - 4 2024, @ 7-8pm

*Skill-based learning through
 hands-on practice for +2 students
 (CBSE & State Syllabus)*



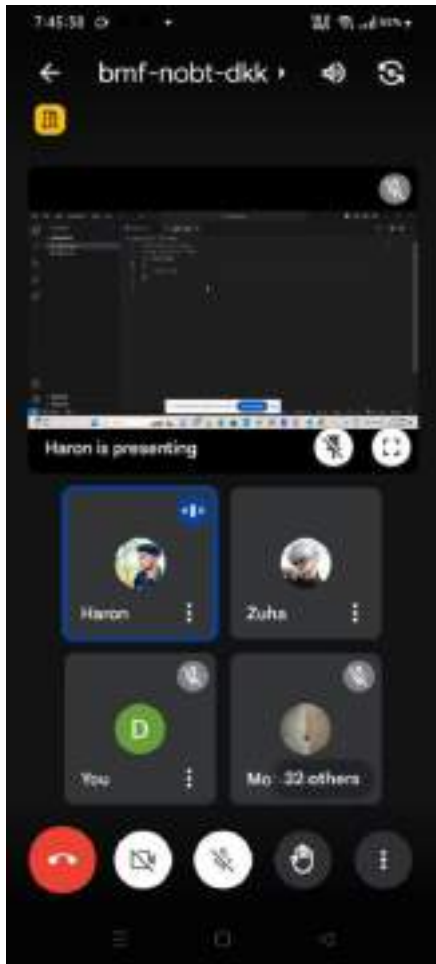
**REGISTER
 NOW**

📞 92494 82002



N-S-D-C
 National
 Skill Development
 Corporation







INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|--|
| Name of the Department | Department of Electrical & Electronics Engineering |
| Name of the Head of the Department | Dr. Reena Sebastian |

Type of Activity:
Five Day WORKSHOP

Title of Activity :

Entrepreneurial Design: Mastering CAD for market Innovation

Objective :

Add rows as required

The "Entrepreneurial Design: Mastering CAD for Market Innovation" workshop was held to empower entrepreneurs and innovators with advanced skills in Computer-Aided Design (CAD) to enhance their product development processes and drive market innovation. The event provided a comprehensive learning experience focused on leveraging CAD tools for entrepreneurial success.

Add rows as req

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

- Enhance participants' proficiency in CAD software for product design and development.
- Demonstrate how CAD can be used to drive innovation and gain a competitive edge in the market.
- Provide hands-on experience with advanced CAD techniques and tools.
- Facilitate networking and collaboration among entrepreneurs, designers, and industry experts. Share best practices and insights on integrating CAD into the entrepreneurial process.

Programme Details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|---------------------|--------------------|--------------------------------|------------------|--|
| 05/8/2024-09/8/2024 | 9:30am to 12:30 pm | Talk session on Electrical cad | Power system lab | Auto CADD software Industrial Supported lab |
| | 1:30am to 4:30 pm | Practical session | | |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|---------------|---------------|-------------------|---------------------|
| Mr.SijoJeosph | Director& CEO | CADD CAMPUS,Aluva | Auto desk,Auto CADD |

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|------|---------|---------|-------------------------------------|--------------------------------------|------------------------------|
| | | | | | |
| NA | | | | | ----- |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | 1300 per student | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | 37700 | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Neenu B | |
| Exact designation | Assistant Professor | |
| Department | EEE | |
| Cell number | 9567479101 | |
| Email | nub.ee@kmeacollege.ac.in | |
| Signature | | |

Report of the Event:

CADD Campus, Aluva, conducted a five-day add-on program in the Power System Lab from Aug 5 to 7, 2024. The program, specifically tailored for third-semester Electrical and Electronics Engineering (EEE) students, focused on an Advanced CAD Design Workshop for Electrical Engineering. The workshop kicked off with an overview of Computer-Aided Design and its relevance in electrical engineering. Students were introduced to industry-standard CAD tools and their applications in designing electrical systems. The "Entrepreneurial Design: Mastering CAD for Market Innovation" workshop successfully met its objectives by equipping participants with advanced CAD skills and knowledge. The event fostered an environment of learning and innovation, providing valuable tools and insights for driving market success through effective product design.

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

PRINCIPAL

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|-----------------|
| WORKSHOP |
|-----------------|

Title of Activity:

| |
|---|
| CREATE, INNOVATE,ELEVATE - UNLOCK YOUR PROGRAMMING POTENTIAL |
|---|

Objectives:

| |
|---|
| <ul style="list-style-type: none">• Familiarize students with Python basics: Cover fundamental concepts, syntax, and data types to build a strong foundation.• Develop problem-solving skills: Encourage students to think logically and apply Python to solve real-world problems.• Introduce data structures and file handling: Teach students to work with lists, dictionaries, and files to manage and analyze data.• Explore popular libraries and frameworks: Introduce libraries like NumPy, Pandas, and Flask/Django to broaden their understanding of Python's capabilities.• Promote coding best practices: Emphasize the importance of writing clean, readable, and efficient code.• Build projects and applications: Guide students in creating projects that integrate concepts learned during the workshop.• Foster collaboration and teamwork: Encourage students to work in groups to develop problem-solving and communication skills. |
|---|

- Provide exposure to industry applications: Showcase how Python is used in various industries, such as data science, web development, and automation.
- Encourage further learning and exploration: Inspire students to continue learning and exploring Python beyond the workshop.

Level of activity (College/Regional / National / International) and target audience

| |
|---------------|
| COLLEGE LEVEL |
| Students |

Expected outcome - academic / social / commercial

| |
|-----------------------|
| ACADEMIC & COMMERCIAL |
|-----------------------|

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|---------|--|-----------|---|
| 01.07.2024 – 05.07.2024 | 9.30 am | CREATE, INNOVATE,ELEVATE - UNLOCK YOUR PROGRAMMING POTENTIAL | LINUX LAB | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|----------------|---|-------------------|-------------------|
| Ms. Abeera V P | Assistant Professor, CSE, KMEA Engg College | KMEA Engg College | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |

| | |
|--|--|
| | |
|--|--|

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|--|
| Name | Dr Sheena Kurian | Mrs. Vidya Hari |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9746798804 | 9447625552 |
| Email | skn.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

| |
|---|
| <p>Day 1: Python Basics The workshop kicked off with Day 1 focusing on Python Basics, where students were introduced to Python syntax, data types, and control structures. Students demonstrated a solid grasp of the concepts, completing exercises with 80% accuracy.</p> <p>Day 2: Data Structures and File Handling On Day 2, Data Structures and File Handling were covered. Students showed a good understanding of the material, completing exercises with 85% accuracy.</p> <p>Day 3: Libraries and Frameworks</p> |
|---|

On Day 3, students were taught about popular Libraries and Frameworks, including NumPy, Pandas, and Flask/Django. Students worked on projects, achieving a 90% completion rate.

Day 4: Project Development and Collaboration

Day 4 was dedicated to Project Development and Collaboration, with students working in groups. The results were promising, with 80% of projects completed to a satisfactory level.

Day 5: Advanced Topics and Wrap-up

The final day, Day 5, covered Advanced Topics and Wrap-up, with 24 students in attendance. The session reviewed key concepts, discussed industry applications, and provided feedback on projects.

The workshop received an overwhelmingly positive evaluation, and students reported an improved understanding of Python concepts, and expressed interest in continuing to learn Python. Overall, the workshop achieved its objectives, providing a comprehensive introduction to Python programming and inspiring further learning.

HOD

PRINCIPAL

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|-----------------|
| WORKSHOP |
|-----------------|

Title of Activity:

| |
|---|
| ENTREPRENEURS' BOOTCAMP – CODING FOR SUCCESS |
|---|

Objectives:

- Introduce the basics of Java Programming and Setting up the Environment to develop and run the program
- Understand Java syntax, data types, variables, operators, control structures, loops, and arrays
- Learn object-oriented programming (OOP) concepts: classes, objects, inheritance, polymorphism, encapsulation, and abstraction and practice writing Java programs using these concepts
- Learn about functional programming in Java: lambda expressions, method references, and functional interfaces
- Understand event-driven programming in Java: GUI programming using Swing or JavaFX
- Learn how to implement common data structures in Java: arrays, linked lists, stacks, queues, trees, and graphs
- Understand sorting and searching algorithms: bubble sort, selection sort, insertion sort, binary search, etc.

- Java Project Development and Best Practices : Work on a group project to develop a Java application: game, chatbot, or tool

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|---------|----------------------|----------|---|
| 18.07.2024 – 25.07.2024 | 9.00 am | Java Coding Workshop | CCF3 LAB | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-------------------------------|---------------------------|------------------|-------------------|
| Faculty from Archon Solutions | Trainer, Archon Solutions | Archon Solutions | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|---------------------|---------------------|
| Name | Mrs. Lija Joy | Mrs. Vidya Hari |
| Exact designation | Assistant Professor | Assistant Professor |

| | | |
|-------------|--|--|
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9207292089 | 9447625552 |
| Email | l jy.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The “Entrepreneur’s Bootcamp : Coding for success”, Java workshop was a resounding success, with Semester 3 students introduced to the basics of Java programming and environment setup on Day 1. They demonstrated a solid grasp of Java syntax, data types, variables, operators, control structures, loops, and arrays, completing exercises with 80% accuracy.

On Day 2, students delved into object-oriented programming (OOP) concepts, including classes, objects, inheritance, polymorphism, encapsulation, and abstraction. They also explored functional programming in Java, covering lambda expressions, method references, and functional interfaces. Students worked on exercises and projects, showcasing a good understanding of OOP and functional programming concepts.

Day 3 focused on event-driven programming in Java, specifically GUI programming using Swing, as well as common data structures such as arrays, linked lists, stacks, queues, trees, and graphs. Students then applied their knowledge by working on group projects, developing Java applications like games, chatbots, or tools. Impressively, 80% of projects were completed to a satisfactory level, demonstrating a good understanding of Java concepts.

The workshop received an overwhelmingly positive evaluation, with 90% of students rating it as "Excellent" or "Good". A significant 85% of students reported an improved understanding of Java programming concepts, and 80% expressed interest in continuing to learn Java. Throughout the workshop, students learned about Java project development and best practices, and group projects encouraged collaboration, problem-solving, and coding skills. Students received feedback on their projects and guidance for further learning, rounding out a comprehensive and engaging workshop experience. By the end of the course, students had gained practical experience in Java programming and were equipped to apply their skills to real-world problems.

HOD

PRINCIPAL





INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. SIJA ARUN |

Type of Activity:

KIC Department Event

Title of Activity :

Entrepreneurship in its bare bones -Alumni Talk

Add rows as required

Objective :

The aim of the program is to make students understand how to become an entrepreneur in the field of engineering, its scope and opportunities.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College Level Activity- S7 students

Add rows as required

Expected outcome - academic / social / commercial

- To make students understand how to become an entrepreneur in the field of engineering, its scope and opportunities.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|----------|----------------------|--|-----------------------|---|
| 29/11/23 | 10.00 AM to 12.00 PM | Talk on Entrepreneurship in its bare bones | Seminar Hall, D-Block | Facilities available in seminar hall |

Add rows as required

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|-----------------|-------------------|---------------------------------|-------------------|
| Mr. Salih K. A. | Managing Director | Triheights Innovation Pvt. Ltd. | Entrepreneurship |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating /participating | Financial commitment# in Rs. |
|---------------------------------|---|-----------------------|-------------------------------------|---------------------------------------|------------------------------|
| Triheights Innovation Pvt. Ltd. | 31/133B, 2nd Floor EMCC, Metro Pillar363, Koonamthai Edappally Ernakulam-682024 | consultca17@gmail.com | Salih K A, MD, 9567237267 | Resource Person | nil |

³Mention role of Industry/organisation.

Add rows as required..

Attach copy of letters received from participating industry showing intent / financial commitment etc.

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | NIL |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Lakshmy E G | |
| Exact designation | Assistant Professor | |
| Department | Civil Engineering | |
| Cell number | 9746210005 | |
| Email | leg.ce@kmeacollege.ac.in | |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The program started at 10.00 AM with a prayer. The welcome speech was delivered by Dr. Sija Arun., Head of the Department, Civil Engineering. Then the session was handed over to the speaker Mr. Salih K A, who is our Alumni (2008-12 batch). He delivered a very interactive and effective talk out of his own experiences through his journey in becoming a successful entrepreneur. Session ended at 11 am and two of our students, Rafi and Hazeena, had given feedback note for the session. The vote of thanks was delivered by Asst. Prof. Lakshmy E G and the program ended at 11.15 AM. Almost all the final year students and a few staff of the department had joined the session.

***NB: Attached the following documents:**

- 1. Poster**
- 2. Screenshots of the event.**
- 3. Attendance sheet**

HOD

PRINCIPAL



C. H. MOHAMMED KOYA
KMEA Engineering College
 (Approved by AICTE & APJ Abdul Kalam Technological University)



**INSTITUTION'S
 INNOVATION
 COUNCIL**

DEPARTMENT OF CIVIL ENGINEERING

TALK ON :

ENTREPRENEURSHIP IN IT'S BARE BONES

SPEAKER



SALIH.K.A
 MANAGING DIRECTOR:-
 TRIHEIGHTS INNOVATION Pvt. Ltd.

NOVEMBER 29 - WEDNESDAY
 VENUE : SEMINAR HALL , AUDITORIUM BLOCK
 10:00 AM TO 11:00 AM








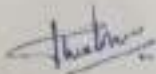








S_TCF-B

| Roll No | Name | Sign |
|---------|--------------------|------|
| 1 | Aashray chavhan | |
| 2 | Ashuja Ali | |
| 3 | Andria | |
| 4 | Anena | |
| 5 | Aysha nathan | |
| 6 | Ben Remold | |
| 7 | Dev Anand K | |
| 8 | Emmanuel Christy | |
| 9 | Fahara C. J | |
| 10 | Fahar shaboo | |
| 11 | Fahara Sidhik | |
| 12 | Fathima Falzana KN | |
| 13 | Fathima M.F | |
| 14 | Fathima Naem | |
| 15 | Fathima Nisar A.A. | |
| 16 | Fathimath Thani AK | |
| 17 | Fathimath Sunnyya | |
| 18 | Femina | |
| 19 | Hammaz | |
| 20 | | |
| 21 | | |
| 22 | Jesna | |

| | | |
|----|--------------------|---|
| 23 | | |
| 24 | Mohamed Farzan |  |
| 25 | MUBARIZ HAREEF TE |  |
| 26 | Muysimā Ashraf | |
| 27 | |  |
| 28 | MUHAMMED RAEI | |
| 29 | Rafhanath P.A | |
| 30 | |  |
| 31 | Rafan M.A | |
| 32 | Rawaiz Rofhi | |
| 33 | | |
| 34 | |  |
| 35 | Sana Maeiyuro | |
| 36 | |  |
| 37 | Shahar Mohamed M.J |  |
| 38 | SANTHY RAJEEVAN | |
| 39 | Sheena K.S | |
| 40 | Somayya T.N | |
| 41 | | |
| 42 | Tharanna Thani |  |
| 43 | | |
| 44 | | |
| 45 | Usmayn Asok |  |
| 46 | Yasmi Rahman |  |

57-A

| Roll NO | NAME | Sign |
|------------------|-----------------------|------|
| 1. 20 | Bismillah Mahan | |
| 1 | ADUNNUSLOH A | |
| 2 | Ajmal VM | |
| 3 | Ardya Prati | |
| 4 | Alfiya N/A | |
| 5 | Amara A A | |
| 6 | Amelia Bachend | |
| 7 | Zarya Hamid | |
| 8 | Ani S Dita | |
| 9 | Fitriah Satrio U A | |
| 10 | Angga F M | |
| 11 | Anna Wajana | |
| 12 | Ayulita Beevi | |
| 12 | Agatha Kusnanda | |
| 14 | Bachultra Sastrickan | |
| 15 | Dania Jayakus | |
| 16 | Ladiya Noor Mulyaning | |
| 17 | Fuzul Mahomed | |
| 18 | Fathima Lohana | |
| 19 | Fathimeth Molinda V A | |
| 20 | Febina Fathima | |
| 21 | Fira nol | |
| 22 | Hazeena R L | |
| 23 | Lara Sijper | |
| 24 | Mirzaqa Saibee | |
| 25 | Muhammad Adil | |
| 26 | Muhammad Afri | |
| 27 | Muhammad Amara | |
| 28 | Muhammad Nabeel | |
| 29 | | |

| | | |
|----|-------------------------|-------------------|
| 30 | Natiga T.K | <u>natiga</u> |
| 31 | | |
| 32 | Nihal V.P | <u>Nihal</u> |
| 33 | | |
| 34 | Pournav Mahanan | <u>Pournav</u> |
| 35 | Raika Fatima | <u>Raika</u> |
| 36 | Rifaz Subhanmed | <u>Rifaz</u> |
| 37 | Roshna Ashraf | <u>Roshna</u> |
| 38 | Somya Jagan moopara k-a | <u>Somya</u> |
| 39 | | |
| 40 | Thienzaam .m | <u>Thienzaam</u> |
| 41 | Vahab T.P | <u>Vahab</u> |
| 42 | Viveetha Venishan | <u>Viveetha</u> |
| 43 | Ashad S | <u>Ashad</u> |
| 44 | Mai Ashkat - M.R | <u>Mai Ashkat</u> |
| 45 | | |
| 46 | Anama P.M. | <u>Anama</u> |



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. SIJA ARUN |

Type of Activity:

KIC Department Event

Title of Activity :

Entrepreneurship in its bare bones -Alumni Talk

Add rows as required

Objective :

The aim of the program is to make students understand how to become an entrepreneur in the field of engineering, its scope and opportunities.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College Level Activity- S7 students

Add rows as required

Expected outcome - academic / social / commercial

- To make students understand how to become an entrepreneur in the field of engineering, its scope and opportunities.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|----------|----------------------|--|-----------------------|---|
| 29/11/23 | 10.00 AM to 12.00 PM | Talk on Entrepreneurship in its bare bones | Seminar Hall, D-Block | Facilities available in seminar hall |

Add rows as required

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|-----------------|-------------------|---------------------------------|-------------------|
| Mr. Salih K. A. | Managing Director | Triheights Innovation Pvt. Ltd. | Entrepreneurship |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating /participating | Financial commitment# in Rs. |
|---------------------------------|---|-----------------------|-------------------------------------|---------------------------------------|------------------------------|
| Triheights Innovation Pvt. Ltd. | 31/133B, 2nd Floor EMCC, Metro Pillar363, Koonamthai Edappally Ernakulam-682024 | consultca17@gmail.com | Salih K A, MD, 9567237267 | Resource Person | nil |

³Mention role of Industry/organisation.

Add rows as required..

Attach copy of letters received from participating industry showing intent / financial commitment etc.

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | NIL |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Lakshmy E G | |
| Exact designation | Assistant Professor | |
| Department | Civil Engineering | |
| Cell number | 9746210005 | |
| Email | leg.ce@kmeacollege.ac.in | |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The program started at 10.00 AM with a prayer. The welcome speech was delivered by Dr. Sija Arun., Head of the Department, Civil Engineering. Then the session was handed over to the speaker Mr. Salih K A, who is our Alumni (2008-12 batch). He delivered a very interactive and effective talk out of his own experiences through his journey in becoming a successful entrepreneur. Session ended at 11 am and two of our students, Rafi and Hazeena, had given feedback note for the session. The vote of thanks was delivered by Asst. Prof. Lakshmy E G and the program ended at 11.15 AM. Almost all the final year students and a few staff of the department had joined the session.

***NB: Attached the following documents:**

- 1. Poster**
- 2. Screenshots of the event.**
- 3. Attendance sheet**

HOD

PRINCIPAL



C. H. MOHAMMED KOYA
KMEA Engineering College
(Approved by AICTE & APJ Abdul Kalam Technological University)



**INSTITUTION'S
 INNOVATION
 COUNCIL**
Member Institution since 2014

DEPARTMENT OF CIVIL ENGINEERING

TALK ON :

ENTREPRENEURSHIP IN IT'S BARE BONES

SPEAKER



SALIH.K.A
 MANAGING DIRECTOR:-
 TRIHEIGHTS INNOVATION Pvt. Ltd.

NOVEMBER 29 - WEDNESDAY
VENUE : SEMINAR HALL , AUDITORIUM BLOCK
10:00 AM TO 11:00 AM












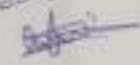
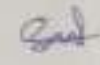


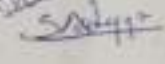



GPS Map Camera

Ernakulam, Kerala, India
393C+QWP, Kuzhivelippady, Kerala 682021, India
Lat 10.055992°
Long 76.370059°
29/11/23 10:58 AM GMT +05:30

Google

S₇CE-B

| Roll No | Name | Sign |
|---------|--------------------|------|
| 1 | Aashray chavaseen | |
| 2 | Ashuja Ali | |
| 3 | Andria | |
| 4 | Anena | |
| 5 | Aysha nathan | |
| 6 | Ben Remold | |
| 7 | Dev Anand k | |
| 8 | Emmanuel Christy | |
| 9 | Fahara C. J | |
| 10 | Fahar saboo | |
| 11 | Fahara Sidhik | |
| 12 | Fathima Falzana KN | |
| 13 | Fathima M.F | |
| 14 | Fathima Naam | |
| 15 | Fathima Nisar A.A. | |
| 16 | Fathimath Thani AK | |
| 17 | Fathimath Sunnyya | |
| 18 | Femina | |
| 19 | Hammaz | |
| 20 | | |
| 21 | | |
| 22 | Jesna | |

| | | |
|----|--------------------|---|
| 23 | | |
| 24 | Mohamed Farzan |  |
| 25 | MUBARIZ HAREEF TE |  |
| 26 | Muysimā Ashraf | |
| 27 | |  |
| 28 | MUHAMMED RAEI |  |
| 29 | Rafhanath P.A | |
| 30 | |  |
| 31 | Rafan M.A |  |
| 32 | Rawaiz Rofhi | |
| 33 | | |
| 34 | |  |
| 35 | Sana Maeiyuro | |
| 36 | |  |
| 37 | Shahid Mohamed M.J |  |
| 38 | SANTHY RAJEEVAN |  |
| 39 | Sheena K.S | |
| 40 | Somayya T.N | |
| 41 | | |
| 42 | Tharanna Thani |  |
| 43 | | |
| 44 | | |
| 45 | Usmayn Asok |  |
| 46 | Yasmi Rahman |  |

57-A

| Roll NO | NAME | Sign |
|------------------|-----------------------|------|
| 1. 20 | Bismillah Mahan | |
| 1 | ADUNNUSIDDA A | |
| 2 | Ajmal VM | |
| 3 | Akshaya Pyari | |
| 4 | Alfiya N/A | |
| 5 | Amara A.A | |
| 6 | Amruba Bakhari | |
| 7 | Zoya Hamid | |
| 8 | Arvi S. P. M. | |
| 9 | ARISHA SAMPA V.A | |
| 10 | Arifa P.M | |
| 11 | Aana Najim | |
| 12 | Ayulha Beem | |
| 12 | Aysha Kamrudin | |
| 14 | Bachulha Saadichan | |
| 15 | Dasha Jayakumar | |
| 16 | Eadiya Noor Mulgumaid | |
| 17 | Feroz Muhammad | |
| 18 | Fathima Ahsan | |
| 19 | Fathimeth Molana V.A | |
| 20 | Febina Fathima | |
| 21 | Fiza Hal | |
| 22 | Hazeena R.L | |
| 23 | Layla Saifur | |
| 24 | Mishraja Saikar | |
| 25 | Muhammad Adil | |
| 26 | Muhammad Afim | |
| 27 | Muhammad Amara | |
| 28 | Muhammad Nabeel | |
| 29 | | |

| | | |
|----|-------------------------|-------------------|
| 30 | Natiga T.K | <u>natiga</u> |
| 31 | | |
| 32 | Nihal V.P | <u>Nihal</u> |
| 33 | | |
| 34 | Pournav Mahanan | <u>Pournav</u> |
| 35 | Raika Fatima | <u>Raika</u> |
| 36 | Rifaz Subhanmed | <u>Rifaz</u> |
| 37 | Roshna Ashraf | <u>Roshna</u> |
| 38 | Somya Jagan moopara k-a | <u>Somya</u> |
| 39 | | |
| 40 | Thienzamm .m | <u>Thienzamm</u> |
| 41 | Vahab T.P | <u>Vahab</u> |
| 42 | Viveetha Venishan | <u>Viveetha</u> |
| 43 | Ashad S | <u>Ashad</u> |
| 44 | Mai Ashkat - M.R | <u>Mai Ashkat</u> |
| 45 | | |
| 46 | Anama P.M. | <u>Anama</u> |

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|----------------|
| SEMINAR |
|----------------|

Title of Activity:

| |
|--|
| FUTURESECURE : INNOVATIVE IDEAS ON CYBER SECURITY AND ETHICAL HACKING |
|--|

Objectives:

| |
|--|
| <ul style="list-style-type: none">● To understand the principles of ethical hacking, including penetration testing and vulnerability assessment.● To learn about the tools and techniques used in ethical hacking, such as Nmap, Nessus, and Metasploit.● To understand the importance of encryption, firewalls, and access control in cybersecurity.● To learn about the latest cybersecurity trends and threats, such as AI-powered attacks and IoT security.● To develop hands-on experience with ethical hacking tools and techniques.● To understand the legal and ethical implications of hacking.● To learn about career opportunities in cybersecurity and ethical hacking.● To provide a platform for participants to network with peers and experts in the field. |
|--|

Level of activity (College/Regional / National / International) and target audience

| |
|----------------------|
| COLLEGE LEVEL |
|----------------------|

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|---------|--|---------------|---|
| 26.02.2024 – 01.03.2024 | 9.30 am | Workshop on Advanced Ideas of Cyber Security and Ethical Hacking | CCF3 & AP LAB | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-----------------|----------------------------------|---------------------|-------------------|
| Mr. Arun Thomas | Cyber Security Analyst & Trainer | Facein Technologies | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |

| | | | | |
|---|--|--|--|--|
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|--|
| Name | Dr Sheena Kurian | Mrs. Vidya Hari |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9746798804 | 9447625552 |
| Email | skn.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

| |
|--|
| <p>Day 1</p> <p>The first day of the workshop introduced participants to the world of Cyber Security and Ethical Hacking. The morning session covered the basics of Cyber Security, including threats, vulnerabilities, and risk management. The afternoon session focused on setting up the lab environment and introducing basic Linux commands and navigation. Participants gained a solid understanding of the importance of Cyber Security and Ethical Hacking in today's world.</p> <p>Day 2</p> <p>On the second day, participants delved into Networking Fundamentals and Vulnerability Assessment. The morning session covered networking concepts, including TCP/IP, DNS, and DHCP. The afternoon session introduced participants to network scanning and enumeration using tools like Nmap and Nessus. Participants gained hands-on experience with vulnerability assessment and exploitation.</p> <p>Day 3</p> |
|--|

The third day focused on Web Application Security and Penetration Testing. The morning session covered common web application vulnerabilities, including SQL Injection and Cross-Site Scripting. The afternoon session introduced participants to penetration testing using tools like Burp Suite and ZAP. Participants gained practical experience with web application security testing.

Day 4

On the fourth day, participants explored Cryptography and Access Control. The morning session introduced participants to cryptography concepts, including encryption and hashing. The afternoon session covered access control and authentication mechanisms, including Identity and Access Management (IAM). Participants gained a deeper understanding of secure communication and access control.

Day 5

The final day of the workshop covered Incident Response and Cyber Security Career Paths. The morning session introduced participants to incident response and disaster recovery planning. The afternoon session focused on Cyber Security career paths and opportunities, including resume building and interview preparation. Participants gained valuable insights into the Cyber Security industry and how to pursue a career in this field.

HOD

PRINCIPAL



KMEA
Engineering
College



In association with Facein
Technologies



26/02/2024 - 01/03/2024

**FUTURESECURE
INNOVATIVE IDEAS ON
CYBER SECURITY
&
ETHICAL HACKING**

Venue: CCF3 & AP Lab



64
A+ Grade





Feb 28, 2024 15:45:58
10.0539455N 76.3795968E



Feb 28, 2024 09:54:21
10.0538357N 76.3795748E



Feb 28, 2024 09:48:12
Swiss grid E:8771745 N:-270340



Feb 26, 2024 14:31:42
Kuzhivelippady
Ernakulam
Kerala



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

WORKSHOP

Title of Activity:

HANDS-ON GENERATIVE AI WORKSHOP

Objectives:

1. To introduce participants to Generative AI and its applications.
2. To provide hands-on experience in building a Generative AI model.
3. To equip participants with the knowledge and skills to work with AI as a partner in their future careers.
4. To foster collaboration and learning among participants from diverse branches and backgrounds.
5. To provide a comprehensive understanding of AI concepts and techniques.

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|---------|---------------------------------|-------------|---|
| 09.03.2024 | 7.00 pm | HANDS-ON GENERATIVE AI WORKSHOP | Online Mode | Laptops or Mobile with internet connectivity |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------------|-------------|--------------|-------------------------|
| Trivikrama | AI Expert | IIT Delhi | ARTIFICIAL INTELLIGENCE |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|------|----------------|----------------|
| Name | Ms. VIDYA HARI | Ms. ELIA NIBIA |

| | | |
|-------------------|-----------------------------------|--|
| Exact designation | Assistant Professor | Assistant Professor Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447625552 | 9633116348 |
| Email | vdh.it@kmeacollege.ac.in | ena.cs@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The Department of Computer Science and Engineering, KMEA Engineering College, Ernakulam, organized an exclusive FREE AI Workshop on Generative AI, led by AI Master and IIT Delhi Alumnus (AIR 99) Mr. Trivikrama in online mode. The workshop aimed to introduce participants to Generative AI, provide hands-on experience in building a Generative AI model, and equip them with the knowledge and skills to work with AI in their future careers.

The workshop was attended by participants from various branches, including B.Tech, BCA, BSc. Computer Science, and faculty members. The session began with an introduction to Generative AI, followed by a hands-on experience in building a Generative AI model. Participants were guided through the process, and no prior coding knowledge or software installation was required.

The workshop achieved its objectives, providing participants with a comprehensive understanding of AI concepts and techniques. Participants received completion certificates for building the Generative AI model and participation certificates for attending the workshop.

The workshop was a resounding success, with participants praising the informative and interactive session. The event demonstrated the college's commitment to providing students with industry-relevant skills and knowledge, preparing them for a future where AI will be an integral partner in their careers.

HOD

PRINCIPAL

**NXT
WAVE™**



AI FOUNDATION TRUST
TOWARD EXCELLENCE AND INNOVATION



NAAC
National Assessment
and Accreditation Council

NBA
NATIONAL BOARD
of ACCREDITATION

KMEA Engineering College
Dept. of Computer Science & Engineering



Presents

Hands-on Generative AI Workshop

**AI for Students:
Build Your Own Generative AI Model**

- Get AI Mastery Certificate
- No previous coding knowledge needed

This Workshop is *Free* for All Students

**In association with AI Foundation Trust India &
NXTWAVE, official partners of NSDC (National Skill
Development Corporation)**



9TH MARCH 2024,
@ 7:00 pm



Conducted By
Trivikrama
AIR 93, IIT Delhi, AI Expert



INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|----------------|
| SEMINAR |
|----------------|

Title of Activity:

| |
|---|
| IDEA EVOLVE : TRANSFORMING TEACHING AND RESEARCH FOR SUCCESS |
|---|

Objectives:

| |
|--|
| <ol style="list-style-type: none">1. Enhance student learning outcomes through innovative teaching methods and technologies.2. Foster a culture of research excellence and collaboration among faculty members.3. Develop and implement effective strategies for mentoring and supporting early-career researchers.4. Encourage interdisciplinary research collaborations to tackle complex problems.5. Improve research impact and knowledge translation through effective dissemination and engagement strategies.6. Develop and implement inclusive and equitable teaching and research practices.7. Leverage technology to enhance teaching, learning, and research experiences. |
|--|

8. Build strategic partnerships with industry, government, and community stakeholders to support research and teaching.
9. Provide professional development opportunities for faculty and staff to enhance their teaching and research skills.
10. Continuously evaluate and improve teaching and research practices through evidence-based approaches.

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

STAFFS

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|---------|---|-----------------|---|
| 19-07-2024 | 2.30 am | Enhance Innovative teaching methods and technologies. | CONFERENCE HALL | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------------------|-----------------------|--------------|-------------------|
| Mr. DR.JOHN JOSE | ASSOCIATIVE PROFESSOR | IIT GUWAHATI | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------------|--|
| Name | Dr REKHA LAKSHMANAN | Mrs. Vidya Hari |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | | 9447625552 |
| Email | | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

"Idea Evolve" aims to revolutionize teaching and research by enhancing student learning outcomes through innovative methods and technologies, fostering a culture of research excellence, and developing effective mentoring and collaboration strategies. The initiative seeks to improve research impact, leverage technology, and build strategic partnerships while promoting inclusive and equitable practices. By providing professional

development opportunities and continuously evaluating and improving teaching and research approaches, "Idea Evolve" strives to transform the academic landscape, driving success and excellence in teaching, research, and knowledge translation.

HOD

PRINCIPAL



INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|--|
| Name of the Department | Department of Electrical & Electronics Engineering |
| Name of the Head of the Department | Dr. Reena Sebastian |

Type of Activity:
Five Day WORKSHOP

Title of Activity :

Startup Revolution: Industrial automation for Innovative Growth

Objective :

Add rows as required

The five-day workshop titled "Startup Revolution: Industrial Automation for Innovative Growth" was designed to equip startup founders, entrepreneurs, and industry professionals with the knowledge and skills needed to leverage industrial automation for business innovation and growth. The event focused on exploring advanced automation technologies and their applications in various industries.

Add rows as req

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

- Provide a comprehensive understanding of industrial automation technologies and their impact on startups.
- Explore practical applications of automation in improving operational efficiency and innovation.
- Facilitate hands-on experience with industrial automation tools and systems.
- Encourage networking and collaboration among participants, experts, and industry leaders.
- Share best practices and strategies for integrating automation into business operations.

Programme Details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|---------------------|--------------------|-------------------|------------------|---|
| 12/8/2024-17/8/2024 | 9:30am to 12:30 pm | Talk session | Power system lab | Industrial Supported lab |
| | 1:30am to 4:30 pm | Practical session | | |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|--------------------|------------------|------------------|-----------------------|
| Mr.Freddy Kuruvila | Project Engineer | Ambit Automation | Industrial Automation |

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|------|---------|---------|-------------------------------------|--------------------------------------|------------------------------|
| | | | | | |
| NA | | | | | ----- |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | 1300 per student | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | 37700 | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Neenu B | |
| Exact designation | Assistant Professor | |
| Department | EEE | |
| Cell number | 9567479101 | |
| Email | nub.ee@kmeacollege.ac.in | |
| Signature | | |

Report of the Event:

The "Startup Revolution: Industrial Automation for Innovative Growth" workshop successfully met its objectives by providing a comprehensive and practical understanding of industrial automation. The event empowered participants with the knowledge and skills to drive innovation and growth within their startups, while also fostering valuable industry connections.

Based on feedback and observations, the following recommendations are suggested for future workshops:

- Incorporate more interactive and collaborative activities to further engage participants.
- Offer additional follow-up resources and support for participants to implement automation solutions in their businesses.
- Explore options for virtual participation to reach a broader audience and accommodate different needs.

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

PRINCIPAL



C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|--|
| Name of the club/Department | Electronics and communication department |
| Staff in charge | Mr Binish M.C |

Type of Activity:

Competition

Title of Activity:

Aqua showdown

Objective:

Develop a Remote control boat that able to move in water .

Level of activity (College/Regional / National / International) and target audience

National

Expected outcome - academic / social / commercial

- academic

Program details

| Date | Time | Activity | Venue |
|-------------|-------------|---------------------|------------------------------|
| 20/4/24 | 10:00 am | RC boat competition | Ocean department, IIT Madras |

Resource Person Details:

| Date | Name | Designation | Remuneration |
|---------|------------------|-------------|--------------|
| 20/4/24 | Mubeena Mirshad | S6 ECE | |
| | Anjitha Vinayan | S6 ECE | |
| | Ansula Rose | S6 ECE | |
| | Noorul Haque T N | S6 ECE | |

REPORT

The RC Boat Competition at IIT Madras, held on 20/04/2024, was a thrilling one-day event that captivated participants and spectators alike. Our team consisted of 4 members, Anjitha Vinayan, Mubeena Mirshad, Ansula Rose and Noorul Haque T N were the teammates. The event took place in a large pool designed to replicate ocean conditions, adding a layer of realism and challenge. The competition was divided into three rounds, each testing different aspects of RC boat handling and design. In the first round, the Speed Challenge, boats raced on a straight course with the goal of achieving the fastest time. This was followed by the Maneuverability Challenge, where participants navigated a complex course filled with turns and obstacles, requiring precise control and skill. The final round, the Endurance Challenge, tested the boats' reliability over an extended period on a longer, circular course, emphasizing continuous operation without mechanical failures. Highlights of the event included the innovative designs presented by the participants, showcasing advanced materials and propulsion systems. The strong team spirit was evident as teams worked diligently to optimize their boats. Spectator engagement was high, with a large audience cheering on their favorite teams and enjoying the live commentary and real-time updates. Overall, the RC Boat Competition at IIT Madras was a resounding success, providing a platform for students to demonstrate their technical prowess, creativity, and teamwork. The event not only fostered a spirit of healthy competition but also encouraged innovation and practical application of engineering principles, setting a promising stage for future editions.





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INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|--|
| Name of the club/Department | Electronics and communication department |
| Staff in charge | Mr Binish M.C |

Type of Activity:

Competition

Title of Activity:

Aqua showdown

Objective:

Develop a Remote control boat that able to move in water .

Level of activity (College/Regional / National / International) and target audience

National

Expected outcome - academic / social / commercial

- academic

Program details

| Date | Time | Activity | Venue |
|-------------|-------------|---------------------|------------------------------|
| 20/4/24 | 10:00 am | RC boat competition | Ocean department, IIT Madras |

Resource Person Details:

| Date | Name | Designation | Remuneration |
|---------|---------------------|-------------|--------------|
| 20/4/24 | Risana N.A | S6 ECE | |
| | Rushda Kulsu Naseer | S6 ECE | |
| | V.S.Akhil | S6 ECE | |
| | Muhammad Arshaq, | S6 ECE | |

REPORT

The Wave Pirates team, comprising Risana N.A ,Rushda Kulsu Naseer, V.S.Akhil and Muhammad Arshaq, participated in the Aquashowdown RC boat competition organized by the Ocean Department of IIT Madras on April 20, 2024. The team showcased exceptional skill and teamwork, designing and building our RC boat, "Wave Pirates," with a focus on speed, agility, and maneuverability. The demonstrated impressive performance during the competition, navigating the challenging course with ease and adapting to changing conditions through effective communication and strategic decision-making.

The team secured a notable rank/position in the competition, a testament to the hard work, dedication, and collective efforts. The achieved remarkable feats, including the fastest lap time and most efficient propulsion system, and received praise from judges and fellow competitors for the sportsmanship and enthusiasm. This experience has fueled the passion for innovation and excellence in RC boat racing, and the look forward to future competitions where the can further improve the design and performance.





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KMEA ENGINEERING CO

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:
Workshop

Title of Activity:
Talk Session

Objective:
Introduction to Ipr and funding opportunities

Level of activity (College/Regional / National / International) and target audience
College

Expected outcome - academic / social / commercial
social

Program details

| Date | Time | Activity | Venue |
|-----------|------------|----------|------------------|
| 20/3/2024 | 2 PM -4 PM | Workshop | Smart class room |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|-----------|------------|-----------------|--|
| 20/3/2024 | Binish M C | Asst. Professor | |
|-----------|------------|-----------------|--|

REPORT

The Workshop was conducted at 2 pm on 20/03/2024 by the Electronics & Communication Engineering Department. The session was coordinated and handled by Mr. Binish M C (Assistant Professor) of Electronics & Communication Engineering Department. The eighth and sixth semester students of EC department were the audience. 56 students actively participated in the session. The resource person gave clear insight into the fundamentals of ipr and its funding opportunities.



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INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Workshop

Title of Activity:

Workshop

Objective:

Introduction to electronic product design concepts

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

Commercial

Program details

| Date | Time | Activity | Venue |
|------------------------|------------|----------|-------------|
| 29/7/2024- 2/7/2024 | 9 AM -4 PM | Workshop | Systems lab |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|-----------|-----------------|--|--|
| 20/3/2024 | PROTHEM Pvt ltd | | |
|-----------|-----------------|--|--|

REPORT

The Workshop was conducted at 9 am on 29/07/2024 by the Electronics & Communication Engineering Department. The session was handled by PROTHEM Pvt ltd. The third semester students of EC department were the audience. 27 students actively participated in the session. They can understand the importance of electronic product development lies in its ability to turn abstract ideas into real products that can improve lives, change industries, and shape the future of technology.



C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
ESTD - 1987 APPROVED BY AICTE AFFILIATED TO RTU


DEPARTMENT OF
ELECTRONICS AND COMMUNICATION

ADD-ON PROGRAM

ON ELECTRONIC PRODUCT DESIGN

FOR S3 - ECE

 JULY 29 - AUGUST 2 2024

 VENUE - SYSTEMS LAB



PROTOHEIM
PRIVATE LTD.









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INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Workshop

Title of Activity:

Talk session

Objective:

Importance of electronics and communication and carrier opportunities

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

● Social

Program details

| Date | Time | Activity | Venue |
|-------------|-------------|-----------------|-----------------|
| 9/8/2024 | 9 AM -12 PM | Talk session | Conference hall |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|-------------|-----------------|-----------------------|---------------------|
| 9/8/2024 | Dr.Pankaj sagar | Asst. Professor CUSAT | 3000 |

REPORT

The talk session was conducted at 9 am on 09/08/2024 by the Electronics & Communication Engineering Department. The session was handled by Dr. Pankaj sagar asst professor CUSAT. The first, third, fifth and seventh semester students of EC department were the audience. 95 students actively participated in the session. They can understand the importance of electronics and communication engineering and their scope.



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KMEA ENGINEERING COLLEGE

ESTD - 1997

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INSTITUTION'S
INNOVATION
COUNCIL



IGNITE 2024

Electronics and Communication
Students



Conference Hall PSTA Block



August 9th , 2024



Time 9:00 AM



Dr Pankaj Sagar
Assistant Professor

Head of Department of Instrumentation

CUSAT



N-S-D-C
National
Skill Development
Corporation





Ernakulam, Kerala, India
393J+M2X, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.054188°
Long 76.379979°
09/08/24 09:51 AM GMT +05:30



C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

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INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Workshop

Title of Activity:

Workshop

Objective:

Introduction to arduino

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

academic

Program details

| Date | Time | Activity | Venue |
|----------|------------|----------|-------------|
| 9/8/2024 | 1 PM -4 PM | Workshop | Systems lab |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|-------------|-------------|--------------------|---------------------|
| 9/8/2024 | S7 students | Nil | Nil |


REPORT

The Workshop was conducted at 1 pm on 09/08/2024 by the Electronics & Communication Engineering Department. The session was handled by seventh semester students EC department. The first semester students of EC department were the audience. 20 students actively participated in the session. They can understand the basics of arduino programming.

ARDUINO WORKSHOP

An Introductory workshop to arduino

 Systems Lab

 August 9th, 2024

 11 AM







C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Workshop

Title of Activity:

Boot camp

Objective:

Boot camp on Allied Technologies for Drones

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

social

-

Program details

| Date | Time | Activity | Venue |
|--------------------|-----------|----------|---------|
| 28/2/2024-3/3/2024 | 9 AM-4 PM | Workshop | CCF lab |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|------------------------|----------|-------|---------------|
| 28/2/2024- 3/3/2024 | Dr. Arun | NEILT | MEITY funding |
|------------------------|----------|-------|---------------|

REPORT

The bootcamp featured a diverse range of sessions and workshops conducted by renowned experts in the field. Participants had the opportunity to learn from industry leaders who shared their insights and experiences. The sessions covered topics such as:

- 1. Drone Mechanics and Flight Dynamics
- 2. Sensor Integration and Remote Sensing Techniques
- 3. Artificial Intelligence and Machine Learning in Drones
- 4. Data Analysis and Visualization for Drone Applications
- 5. Legal and Ethical Considerations in Drone Operations







इलेक्ट्रॉनिक्स एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY



INSTITUTION'S
INNOVATION
COUNCIL
Association of Institutions, Institutions

BOOT CAMP ON ALLIED TECHNOLOGIES FOR DRONE

ON 28th FEB TO 3rd MARCH

funded by
Meity, Government of India.
Under the project

"Capacity Building for Human Resource Development in
Unmanned Aircraft System (Drone and related Technology)."





C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
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**INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES**

| | |
|---|---|
| Name of the Department | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Name of the Head of the Department | Dr. SHAHIN M ABDULLA |

Type of Activity:

WORKSHOP

Title of Activity:

"CODE WITH CONFIDENCE: A VIBRANT INTRODUCTION TO MATLAB'S BASICS WITH LIVE PRACTICAL SESSIONS FOR PRACTICAL BRILLIANCE"

Add rows as required

Objective:

To familiarize sixth semester students on the MATLAB basics and Simulink with 10 simple projects.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College Level, Sixth Semester ECE Students

Add rows as required

Project Impact -Expected outcome - academic / social / commercial

Students became aware of the MATLAB Programming.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|--------------------|----------|------------------|---|
| 15/02/2024 | 9.30 am – 11:30 am | Workshop | Systems Lab, ECE | Desktop Computers |

Add rows as required

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------------------|--|--|-------------------|
| Ms. Naeema Nazar | ECE alumini, IEEE photonics society representative | Dept. of ECE, KMEA Engineering College | MATLAB |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organisation | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | nil | | | |
| Stationery, printing, | na | | | |

| | | | | |
|---|-----|--|--|--|
| Travel, Stay and DA | na | | | |
| Other (please write each heading in each row) | na | | | |
| Total | nil | | | |

Add rows as required.
Max assistance 3 Lakhs

Details of Coordinators

| | Coordinator |
|-------------------|---|
| Name | AMRUTHA P R |
| Exact designation | Assistant Professor |
| Department | Electronics & Communication Engineering |
| Cell number | 9562892155 |
| Email | apr.ec@kmeacollege.ac.in |
| Signature | |

Report of the Event: (Minimum 500 Words)

The Workshop was conducted at 9.30 am on 15/02/2024 by the Electronics & Communication Engineering Department. The session was coordinated and handled by Ms. AMRUTHA P R (Assistant Professor) of Electronics & Communication Engineering Department. The sixth semester students of EC department were the audience. 29 students actively participated in the session. The resource person gave clear insight into the fundamentals of MATLAB and its programming. The session included 10 projects of MATLAB fundamentals and simulink.

HOD

PRINCIPAL



C. H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
 Approved by AICTE Affiliated to APJ Abdul Kalam Technological University
 EDATHALA P.O. COCHIN, KERALA, INDIA 683561



DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

"CODE WITH CONFIDENCE: A VIBRANT
 INTRODUCTION TO MATLAB'S BASICS WITH
 LIVE PRACTICAL SESSIONS FOR PRACTICAL
 BRILLIANCE!"



NAEEMA NAZAR

IEEE Photonics Society Global Strategy Representative for India
 KMEA ECE ALUMINI



THURSDAY,
 15 FEBRUARY 2024



9:30AM - 11:30AM



KMEA ENGINEERING COLLEGE



ELIGIBILITY :

FDP is open to the faculty members, research scholars, PG scholars, and all staff members of the host institutions

CERTIFICATE:

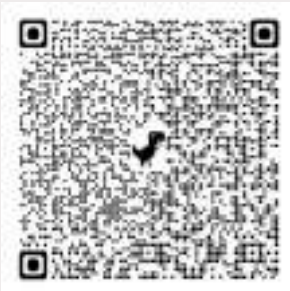
Certificate will be issued to all the participants who have attended the session with minimum 80% attendance.

IMPORTANT DATES:

Registration starts : 21st June 2024

Registration ends : 02nd July 2024

LOCATION:
Scan and Locate



REGISTRATION FEES: Rs 200

Registration fee can be paid on the following account

ACCOUNT NUMBER:

IFSC CODE

BANK NAME

BRANCH NAME

ACCOUNT NAME

REGISTRATION FORM

Log on to _____

ADDRESS FOR CORRESPONDENCE

jbm.ec@kmeacollege.ac.in (Coordinator)
ama.ec@kmeacollege.ac.in (Joint Coordinator)

Contact No: 9895428220 (Coordinator)
8075358261 (Joint Coordinator)
9495909397 (HOD)

KMEA COLLEGE OF ENGINEERING AND TECHNOLOGY

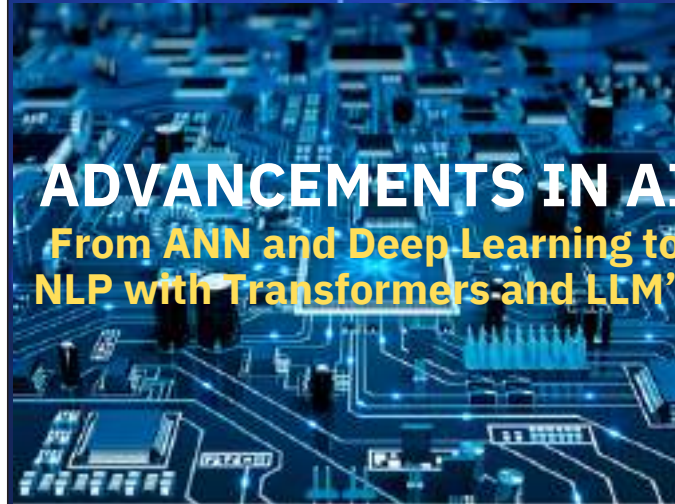
Edathala, Aluva, Ernakulam, Kerala, India
pin:683561
kmeacollege.ac.in



KMEA
ENGINEERING COLLEGE

EDATHALA, ALUVA

**Three Days Faculty
Development Program on**



ADVANCEMENTS IN AI
From ANN and Deep Learning to
NLP with Transformers and LLM's

4th, 5th and 6th July 2024

Organized by
Department of Electronics and
Communication Engineering





ABOUT THE COLLEGE

The Kerala Muslim Educational Association was established in 1957 with the lofty aim of setting up quality educational institutions on a par with global standards. KMEA Engineering College (KEC) was established in 2002 under the management of Kerala Muslim Educational Association, a charitable trust. It is approved by All India Council for Technical Education (AICTE) and affiliated to APJ Abdul Kalam Technological University. The college is accredited by National Assessment and Accreditation Council (NAAC) and National Board of Accreditation (NBA)

ABOUT THE DEPARTMENT

The Electronics and Communication Engineering (ECE) Department was established in 2002, with a vision to mould academically excellent, socially committed, and ethically strong professionals with innovative ideas in the growing technical world by providing high quality education in this field. Students engage in research and projects across various fields, including biomedical, signal processing, AI, telecommunications, and renewable energy. Our E-Yantra lab, sponsored by IIT Bombay, along with our incubation center and industry collaborations, is actively engaged in research and projects in biomedical signal processing, AI, communication, embedded systems, robotics etc. With a strong emphasis on interdisciplinary learning and real-world applications, the ECE Department provides a comprehensive education that equips students to tackle modern engineering challenges and lead in technological advancements.

Vision

To mould academically excellent, socially committed and ethically strong professionals with innovative ideas in growing technical world by providing a high quality education in the field of Electronics and Communication Engineering

Mission

- M1: To provide an environment for multifaceted education rooted in science and updated technology.
- M2: To support research and development leading to innovations in the field of electronics and communication.
- M3: To produce technologists by enhancing problem solving skills, team-spirit, social responsibilities, ethics and entrepreneurship skills.

ORGANIZING COMMITTEE

Chief Patron: Dr Amar Nishad T M

Principal, KMEA

Patron: Dr. Rekha Lakshmanan

Vice-Principal, KMEA

Organizing Chair:

Dr. Shahin M Abdulla, HOD(ECE), KMEA

Dr Smitha K M ,Dean Academics.KMEA

Coordinator:

Prof. Jubaira Mammoo ,AP, ECE, KMEA

Joint Coordinator:

Prof. Abini M A, AP, ECE, KMEA

Members:

Prof. Bushara A R, AP, ECE, KMEA

Prof. Binish M C, AP, ECE, KMEA

Prof. Mohammed Ismail, AP, ECE, KMEA

Prof. Amrutha P R, AP, ECE, KMEA

AIMS AND OBJECTIVE OF FDP

The FDP aims to provide comprehensive knowledge and practical insights into AI and machine learning, covering foundational concepts like ANN and deep learning, advanced topics including RNN-based NLP models, attention mechanisms, transformers, and popular models like BERT and GPT, while also exploring LLM realization, fine-tuning, prompt engineering, Retrieval-Augmented Generation (RAG), and current trends in the field

AIML

ANN and Deep Learning

DL models for NLP(RNN Family)

Attention Mechanism

Transformers

BERT and GPT

LLM Realization and Popular Models

Fine Tuning

Prompt Engineering

RAG

Current Trends

PROPOSED OUTCOMES

- Proficiency in ANN and Advanced Deep Learning
- Familiar with NLP, Transformers, attention mechanism
- Familiar with Language models like BERT & GPT
- Enhance skills in prompt engineering and RAG
- Familiar with current trends and advancements in AI

RESOURCE PERSONS



Dr Shailesh Sivan
Assistant Professor
DCS, CUSAT



Dr. Jeena Kleenankandy
Assistant Professor
DCS, CUSAT



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENA ZIR K K |

Type of Activity:

WORKSHOP

Title of Activity:

CODE MASTERY WORKSHOP – CODING WITH PYTHON

Objectives:

1. Introduce +2 students to Python programming fundamentals.
2. Provide hands-on experience in writing and executing Python code.
3. Familiarize students with basic syntax, data types, and control structures in Python.
4. Encourage problem-solving skills and logical thinking.
5. Write simple Python programs using control structures and functions.
6. Apply Python programming to real-world problems.
7. Promote the Dept. of Computer Science, KMEA Engineering College, as a hub for quality education and training.
8. Engage B.Tech final year students as mentors, fostering industry-academia collaboration.

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|-------------------|--|-------------|---|
| 27.01.2024 – 31.01.2024 | 7.30 pm – 8.30 pm | Free Online Crash course on Python Programming | Online Mode | Laptops |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|----------------------------|--------------|-------------------|--------------------|
| S5 and S7 Students of KMEA | CSE Students | KMEA Engg College | Python Programming |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | | |
| Stationery, printing, Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|------|-----------------|------------------|
| Name | Ms. Vidhya Hari | Ms. Munshida K K |

| | | |
|-------------------|-----------------------------------|--|
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447625552 | 9847441385 |
| Email | vdh.it@kmeacollege.ac.in | mkk.cs@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The 5-day online workshop on Python Programming for +2 students, organized by the Dept. of Computer Science, KMEA Engineering College, was a comprehensive introduction to Python fundamentals. Over the five days, participants learned about basic syntax, data types, control structures, functions, modules, file handling, and exceptions. Each day's session was interactive, with hands-on exercises and guidance from B.Tech final year students acting as mentors.

Day 1: Introduction to Python, basic syntax, and data types

Day 2: Control structures (if-else, loops)

Day 3: Functions and modules

Day 4: File handling and exceptions

Day 5: Project development and Q&A session

By the end of the workshop, participants gained a solid understanding of Python programming concepts and were able to apply them to real-world problems. They developed problem-solving skills, logical thinking, and an appreciation for computer science. The workshop was a resounding success, achieving its objectives of introducing +2 students to Python programming and inspiring them to explore computer science further. The Dept. of Computer Science, KMEA Engineering College, demonstrated its commitment to quality education and training, while the B.Tech final year students showcased their expertise and mentoring skills. The workshop's outcome will have a positive impact on the participants' future academic and professional pursuits.

HOD

PRINCIPAL



G.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

**DEPT OF COMPUTER SCIENCE & ENGINEERING
 PRESENTS**

CODE MASTERY WORKSHOP - CODING WITH PYTHON

CONTACT

8589062939
Head of Program, Department of CSE

**ARE YOU A PLUS TWO STUDENT
 IN CBSE? DO YOU WISH TO GET
 MORE CLARITY IN PYTHON?**

JOIN OUR CRASH COURSE

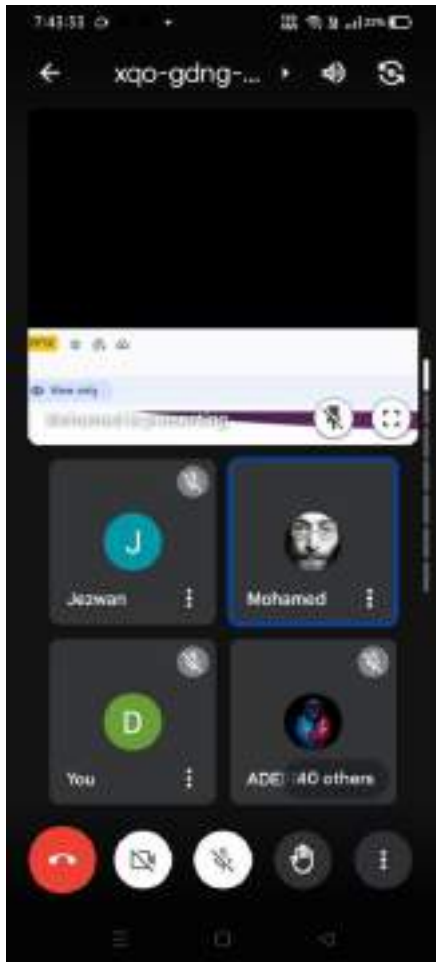


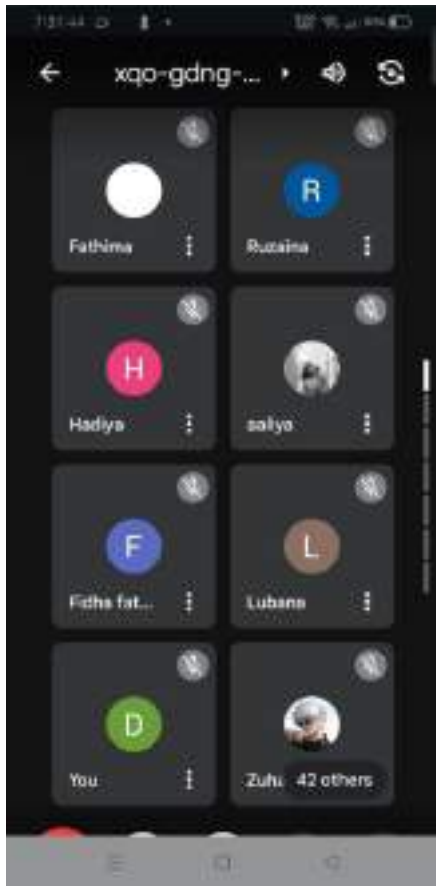
**27 JAN - 31 JAN
 2024**



**7:30pm -
 8.30pm**









Student Development Program on “Hardware startup showcase : PC Assembly Demo workshop”

| | |
|---|---|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. REKHA LAKSHMANAN |

Type of Activity: Student Development Program

Title of Activity: “Hardware startup showcase : PC Assembly demo workshop”

Objective:

The workshop was aimed at the first-year students of the department and focused on imparting knowledge and practical skills related to operating system installation and PC assembling. The report will highlight the key aspects of the workshop, including its organization, content, methodology, and outcomes, with a primary goal of capturing the educational value and positive impact of the event on the participating students.

1. Understanding Hardware Components
2. Familiarity with Operating Systems
3. Building a Computer System
4. Troubleshooting
5. Operating System Installation
6. BIOS/UEFI Configuration
7. Best Practices and Safety Measures

By the end of the program, the session taught the audience the working of the components of a computer system. Also, the workshop included another session on installation of operating systems- Ubuntu and Windows 10.

Level of activity (College/Regional / National / International) and target audience

Regional Level, Students and staff

Expected outcome - academic / social / commercial

1. Enhanced Understanding of PC Components
2. Practical Knowledge in PC Assembly
3. Comprehension of Component Interconnections
4. Insight into Operating System Installation
5. Practical Exposure to OS Installation
6. Increased Confidence in Technical Tasks

Programme details

| DATE | TIME | Sessions | Venue | Infrastructural requirements and availability |
|------------------------|----------------|--------------|---|---|
| 21/09/2023 Thursday | 10 am- 12 noon | Inauguration | Linux Lab/Programming Lab/CCF 3 LAB | Computer Lab with internet facility |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-----------------|-------------|--------------------------|-------------------|
| S7 Students CSE | Students | KMEA Engineering college | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|-----------|---------|---------|-------------------------------------|--------------------------------------|------------------------------|
| CSI | | | | Institutional membership | |
| Total Rs. | | | | | ----- |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | NIL | NIL | NIL | NIL |
| Stationery, printing, | NIL | NIL | NIL | NIL |

| | | | | |
|---------------------|------|------|-----|-----|
| Registration Fee | NIL | NIL | NIL | NIL |
| Travel, Stay and DA | NIL | NIL | NIL | NIL |
| Refreshment | 4000 | 4000 | NIL | NIL |
| Total | 4000 | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|----------------------------------|
| Name | Mohammed Bilal | Mansoor |
| Exact designation | Student | Student |
| Department | Computer Science And Engineering | Computer Science And Engineering |
| Cell number | 7356362650 | 7736970903 |
| Email | mohamedbilal1800@gmail.com | cs24mans@kmeacollege.ac.in |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The 1-day student development program on OS Installation and PC Assembling for beginners was conducted to provide an introduction to the OS Installation and PC Assembling workshop. The program aimed to equip participants with the foundational knowledge and skills required to build a system. An inaugural function was held on the first day of the program. The inaugural function was attended by the Vice Principal Dr. Rekha Lakshmanan, and faculty members of CSE department. The function included introduction to PC hardware, PC building, OS installation. The final year students discussed topics on the different components of a PC, their functionalities and connections between them. The student development program was conducted by final years and included a combination of lectures and hands-on exercises. The program covered topics such as data PC hardware, PC assembling, and OS installation. The participants were provided with access to a computer lab equipped with necessary software and tools. The student development program was attended by all two batch students of CSE branch. At the end of the program, the participants were able to develop an understanding of the OS Installation and PC Assembling.

HOD

PRINCIPAL



C. H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

HARDWARE STARTUP SHOWCASE -PC ASSEMBLY DEMO

S7 STUDENTS



SEPTEMBER 21, 2023
10:00AM



ATAL RANKING
64
MoE, Govt. of India







C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU



REPORT ON FIELD VISIT

Name of the event : Maker village visit as per IIC Calendar

Date of Event : 19th January 2024

Location of Event : Maker Village Fab Lab Kalamassery

of participants : 32

Programme Organised by : IIC, IEDC, EDC Kmea Engineering College

Contact person : Dr. Sangeetha +919003920949

ABOUT MAKER VILLAGE KOCHI

Maker Village is a hardware incubator located in Kochi, Kerala, India. It is one of the largest electronics incubators in India and was established with the aim of fostering the growth of hardware startups and providing them with the resources and support they need to bring their ideas to life. The incubator provides its residents with access to state-of-the-art equipment, workshops, prototyping facilities, and a supportive community of mentors, investors, and peers. The goal of Maker Village is to help entrepreneurs turn their ideas into successful hardware products and companies.

PROGRAMME SUMMARY

On 19th January 2024, around 32 faculty visited the Maker village in Kerala Technology Innovation Zone, Kinfra Hi-Tech Park, Kalamassery, Kochi, Kerala at 10AM. A visit to Maker Village in Kochi is a valuable experience for anyone who is interested in the hardware startup ecosystem, including entrepreneurs, students, investors, and industry professionals. Our visit to Maker Village included the following activities:

1. Tour of the facilities: We received a tour of the Maker Village facilities, including the workshops, prototyping labs, and co-working space. This provided us with an opportunity to see the resources available and also get a sense of the supportive and collaborative environments.
2. Meetings with startups: We received an opportunity to meet with startups that are part of the Maker Village community and hear about their experiences, challenges, and successes.
3. Presentations and Demonstrations: We attended presentations and demonstrations by startups, showcasing the hardware prototypes and products they are working on. Also there were presentations taken by Maker village authorities explaining about its importance, functions and its contributions to society.
4. Networking Opportunities: Maker Village also provided opportunities for all the visitors to network with entrepreneurs, investors, and other industry professionals.

Major key equipments and resources available at Maker village Kochi

Maker Village in Kochi is equipped with a range of state-of-the-art equipment and resources to support hardware startups and entrepreneurs. The following is a list of some of the key equipment and resources available at Maker Village:

1. Electronics Workshop: Maker Village has a well-equipped electronics workshop with soldering stations, power supplies, oscilloscopes, multimeters, and other tools and equipment for prototyping and testing electronics circuits.
2. Mechanical Workshop: Maker Village also has a mechanical workshop with a variety of tools and equipment, including lathes, milling machines, 3D printers, and laser cutters, to support the development of hardware prototypes.
3. Prototyping Labs: Maker Village has multiple prototyping labs that are equipped with the tools and resources needed to build and test hardware prototypes, including a variety of hand and power tools, workbenches, and test equipment.
4. Co-working Space: The incubator provides residents with access to a shared co-working space that is equipped with desk space, internet access, and other resources to support collaboration and teamwork.
5. Design Software: Maker Village provides residents with access to a variety of design software, including CAD (computer-aided design) tools, simulation software, and other design tools to support product development.
6. List of some of the machinery and equipment available at Maker Village:

1. Lathes
2. Milling machines
3. 3D printers
4. Laser cutters
5. Soldering stations
6. Power supplies
7. Oscilloscopes
8. Multimeters
9. Workbenches
10. Hand and power tools
11. Test equipment

These are just some of the key equipment and resources available at Maker Village in Kochi. The incubator is continually updating and expanding its facilities to support the evolving needs of hardware startups and entrepreneurs.

The visit concluded at 1PM with a brief interaction with Mr RajeevKumar, AO, Maker village. The visit was supported by KMEA IEDC, EDC and IIC.



C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
Approved by AICTE Affiliated to MG University & KTU

EDC KMEA



in association with



IEDC KMEA & IIC



Maker Village

THE ELECTRONICS INCUBATOR IN KERALA



Field Visit

19 JANUARY 2024





C. H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER
TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

NATION WIDE EXTENSION ACTIVITY

Title of Activity:

Department of Computer Science & Engineering Celebrating India's 76th Independence by Conducting a Series of National Level Awareness programme on Digital Literacy, AI & it's Emerging Trends

Objectives:

To enlighten the theme of 76th celebration of India's Independence : To make an insight into the theme of 76 th Independence of India “NATION FIRST ALWAYS FIRST”. It mainly focus to the Students to remind their prime duties & responsibilities, to our Mother land and also to those Public who belong to non-technical background.

Promote National-Level Digital Literacy: The program seeks to promote digital literacy at a national level, enabling individuals to effectively utilize digital tools and technologies in their personal and professional lives. The program seeks to provide computer literacy to individuals from different backgrounds, including students, self-help groups, youth, tribes, and the general public.

Empower Recent Advancements in digital world: By providing insights into recent advancements in AI, the program intends to empower participants with the knowledge required to stay updated in an ever-evolving technological landscape.

To reach grassroots levels: By conducting classes in various districts in Kerala & other States of India, the program aims to reach communities at the grassroots level, ensuring that even remote areas have access to computer science education and emerging trends in technology.

To encourage participation: The program strives to encourage participation from local communities and diverse groups, fostering an inclusive learning environment.

To gather feedback and improve: The program aims to gather feedback from participants and continuously improve the sessions based on the received appreciation and suggestions.

To collaborate with local government bodies: The program aims to collaborate with local government representatives to gain support and encouragement, thereby enhancing its reach and impact.

Offer Free Sessions on Computer Literacy: The program seeks to eliminate barriers to learning by providing exclusive free offline & online sessions on computer literacy, ensuring that financial constraints do not hinder participation.

Level of activity (College/Regional / National / International) and target audience

NATIONAL LEVEL

Students, Self help groups like Kudumbasree, women, Youth, individuals from different backgrounds, tribes, and the general public.

Expected outcome - academic / social / commercial

**ACADEMIC, SOCIAL, NATIONAL INTEGRATION, EXTENSION
ACTIVITY**

Program details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|--------------------------|------------------------|--|--------------------------|---|
| 19.07.2024 20.07.2024 | 9:30am to 4:30pm | Two days workshop on national level digital & AI awareness program conducted for students, MDLP School,,Kottayam | MDLP School, Kottayam | Venue, Laptop |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|----------------|-------------------------|--------------------|---|
| Dr.Benazir K K | HoD&Associate Professor | KMEA Engg. College | Digital Literacy AI & it's emerging trends |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any. Yes.AI FOUNDATION TRUST INDIA.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|--------------------|--------------------|--|--|--------------------------------------|------------------------------|
| KMEA Engg. College | KMEA Engg. College | www.kmeacollege.ac.in/ | Dr Benazir KK Associate Professor bkk.cs@kmeacollege.ac.in | Programme Coordinator | Nil |
| | | | | | |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | NA |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |

| | | | | |
|---|--|--|--|--|
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinator

| | Coordinator 1 |
|-------------------|-----------------------------------|
| Name | Dr Benazir KK |
| Exact designation | Associate Professor |
| Department | Computer Science & Engg., KMEA |
| Cell number | 9447660880 |
| Email | bkk.cs@kmeacollege.ac.in |
| Signature | |

Report of the Event:

On behalf of The Nation Level programme organized by the department of Computer Science & Engineering , KMEA Engineering College Organized two days Hands on workshop for students of MDLP School, Kottayam. The workshop that aimed to educate and inspire young minds. The program's objective was to make students aware of digital literacy, its importance, and their role in promoting it, while also instilling a sense of responsibility and duty towards the nation.

The workshop was a comprehensive and interactive experience, covering topics such as introduction to digital literacy, online safety and cybersecurity, digital tools for learning, and nation-building. Students participated in group discussions and activities, sharing their ideas and thoughts on digital literacy and nation-building.

The program was a resounding success, with students gaining a deeper understanding of digital literacy and its significance. They developed awareness about online safety and cybersecurity measures and were inspired to work towards building a completely literate India. The workshop encouraged students to take ownership of their responsibilities towards the nation, empowering them to become responsible digital citizens.

Testimonials from students reflected the program's impact, with many expressing their gratitude for the opportunity to learn and grow. The KMEA Engineering College is committed to continuing such initiatives, fostering a culture of digital literacy and patriotism among young minds. By empowering school students, the program aims to contribute to the growth and development of the nation.

HOD

PRINCIPAL



C.H. MOHAMMED KOYA
KMEA Engineering College
 Approved By AICTE
 Accredited By NAAC & NBA (ME, CE, EEE, EC, CSE)



DEPARTMENT OF
 COMPUTER SCIENCE & ENGINEERING

**National level second series of
 AWARENESS PROGRAM ON DIGITAL LITERACY
 "AI & ITS EMERGING TRENDS"**

SPEAKER



DR. BENAZIR K K
 HoD & Associate Professor,
 Dept of CSE
 KMEA ENGINEERING COLLEGE

**"CELEBRATING
 INDIA'S
 INTEGRITY"**

19TH & 20TH
 AUGUST 2024

MDLP SCHOOL,
 KOTTAYAM 05.



AI FOUNDATION TRUST
 TOWARDS EXCELLENCE AND INNOVATION



ATIL RANKING
64
 MoU, Govt. of India





INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. REKHA LAKSHMANAN |

Type of Activity:

| |
|---------|
| SEMINAR |
|---------|

Title of Activity:

| |
|------------------------|
| DIGITAL VENTURE STUDIO |
|------------------------|

Objectives:

| |
|--|
| <ul style="list-style-type: none">• Introduce attendees to the field of Full Stack Java Development. This involved explaining what full-stack development is, the different skills it requires, and why Java is a popular choice for this field.• Generate interest in Archon Solutions' Full Stack Java Development Course. The seminar aimed to showcase the company's expertise and convince attendees that their course is the best option for learning these skills.• Provide a basic understanding of Java programming. This involved introducing core concepts like syntax, data types, control flow, and object-oriented programming.• Assess the audience's interest and potential for enrollment: The company gauged the audience's level of interest and suitability for their course. |
|--|

Level of activity (College/Regional / National / International) and target audience

| |
|---------------|
| COLLEGE LEVEL |
| Students |

Expected outcome - academic / social / commercial

| |
|-----------------------|
| ACADEMIC & COMMERCIAL |
|-----------------------|

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-----------|---------|---|-----------------|---|
| 3.10.2023 | 2.30 pm | Digital Venture studio - Full Stack Development and Java Training Program | Conference Hall | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|---|-----------------|-----------------|-------------------|
| Mr.Rahul R Kumar Mrs. Arathi Pradeep | HR Java Tech | Archon Solution | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |

| | | | | |
|--------------|--|--|--|--|
| Total | | | | |
|--------------|--|--|--|--|

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|-----------------------------------|--|
| Name | Dr Sheena Kurian | Mrs. Vidya Hari |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9746798804 | 9447625552 |
| Email | skn.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

Archon Solutions recently conducted a seminar introducing their Full Stack Java Development course. Mr. Rahul R Kumar commenced the event by providing an overview of Archon Solutions, elucidating their commitment to delivering top-tier educational services. He outlined the comprehensive nature of their Full Stack Java Development program, emphasizing its relevance in the current tech landscape. Following Mr. Kumar's introduction, Mrs. Arathi Pradeep delved into a succinct overview of Java. She highlighted its significance in software development, discussing its versatility, robustness, and wide-ranging applications across industries. Mrs. Pradeep touched upon key Java concepts, frameworks, and tools, giving attendees a glimpse into the vast possibilities the language offers. Overall, the seminar provided valuable insights into both Archon Solutions' educational offerings and the foundational knowledge of Java programming.

HOD

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C.H. MOHAMMED KOYA

KMEA Engineering College

Approved By AICTE

Affiliated to KTU

Accredited By NAAC & NBA (ME, CE, EEE, EC, CSE)



*Department of
Computer science and engineering
presents*

DIGITAL VENTURE STUDIO


in association with



FULL STACK JAVA
TRAINING PROGRAM





 **GPS Map Camera**



Ernakulam, Kerala, India
393H+QXF, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.054197°
Long 76.380047°
03/10/23 02:35 PM GMT +05:30



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. REKHA LAKSHMANAN |

Type of Activity:

| |
|----------------|
| SEMINAR |
|----------------|

Title of Activity:

| |
|------------------------|
| TECH INNOVATION |
|------------------------|

Objectives:

| |
|--|
| <p>Educate on Generative AI Basics: Provide attendees with a foundational understanding of Generative AI, including its principles, techniques, and applications.</p> <p>Highlight Employability Opportunities: Showcase the diverse career opportunities and roles available in the field of Generative AI across industries, emphasizing its growing demand in academia and the job market.</p> <p>Explore Industry Trends: Discuss current trends and advancements in Generative AI technology, as well as their implications for future job prospects and skill requirements..</p> <p>Demonstrate Academic Applications: Illustrate how Generative AI is being used in academic research, teaching, and learning, showcasing its potential to enhance educational experiences and outcomes.</p> <p>Address Skill Development: Provide guidance on developing essential skills and competencies in Generative AI, including programming, machine learning, data analysis, and domain-specific knowledge.</p> |
|--|

Discuss Ethical Considerations: Initiate a dialogue on the ethical implications of Generative AI in academia and the workplace, emphasizing the importance of responsible AI development and usage.

Share Success Stories: Share success stories and case studies of individuals who have leveraged Generative AI skills to advance their careers or make meaningful contributions in their respective fields.

Offer Learning Resources: Recommend resources, courses, and learning pathways for attendees to further their knowledge and skills in Generative AI, including online tutorials, books, workshops, and academic programs.

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL
Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|---------|---|------------------|---|
| 12.10.2023 | 2.00 pm | Talk on generative AI and Employability | SMART CLASS ROOM | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-----------|----------------|-----------------|-------------------|
| Leena Ali | Technical Lead | Vofox Solutions | Machine Learning |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------------|--|
| Name | Ms. Vidhya Hari | Ms. Sheena Kurian |
| Exact designation | Assistant Professor | Associate Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447625552 | 9746798804 |
| Email | vdh.it@kmeacollege.ac.in | skn.cs@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

Department of Computer Science & Engineering organised a seminar on 12th October 2023 at KMEA Engineering College. The resource person for the event was Ms. Leena Ali, Team Lead, Vofox solutions. There were about 60+ participants. The session started with the welcome address by Ms. Shyni, Ms. Sheena Kurian, Associate Professor, CSE Dept. The speaker adeptly conveyed a comprehensive understanding of Generative AI and its implications for entrepreneurship and innovation and idea development and its ethical

considerations, thereby equipping attendees with invaluable insights to navigate this dynamic field with confidence.. The session ended by 4 pm with a feedback and Q&A session.

HOD

PRINCIPAL

C.H. MOHAMMED KOYA
KMEA Engineering College
Approved By AKCE
Accredited By NAAC & NBA (ME, CE, EEE, EC, CSE)

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

TECH INNOVATION

for career acceleration

Resource person

TUESDAY
12 October 2023

TIME
10 : 00 AM

GREEN BLOCK -
SMART CLASS ROOM

Ms. Leena Ali
Team Lead, Vofox solutions.



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|---------|
| SEMINAR |
|---------|

Title of Activity:

| |
|---|
| STARTUP READY : DEVELOPING IN-DEMAND SKILLS |
|---|

Objectives:

| |
|--|
| <ul style="list-style-type: none">• Introduce attendees to the field of Power BI. This involved explaining Power BI, a business analytics service by Microsoft.• The seminar aimed to showcase the capabilities of Power BI, setting up Power BI, installing Power BI desktop and understanding the data model relationships.• This helped the audience to learn the advanced visualization techniques using DAX formulas for calculations.• Finally a Hands-on Practice and Q&A.• Assess the audience's interest and provided resources for further learning and support. |
|--|

Level of activity (College/Regional / National / International) and target audience

| |
|-------------------------------|
| COLLEGE LEVEL Students |
|-------------------------------|

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|-------------------|--------------------------|----------|---|
| 09.11.2023 | 9.30 am – 4:30 pm | Introduction to Power BI | CCF3 Lab | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-------------|-----------------------|----------------|-------------------|
| Mr. Vinayak | Senior Data Architect | IKEA of Sweden | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|--|
| Name | Dr Sheena Kurian | Mrs. Vidya Hari |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9746798804 | 9447625552 |
| Email | skn.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

IKEA of Sweden recently conducted a seminar introducing Power BI to our students. Mr. Vinayak commenced the event by providing an overview of Power BI. The seminar aimed to introduce attendees to the field of Power BI, a business analytics service by Microsoft. The event showcased the capabilities of Power BI, guiding participants through the setup process and installation of Power BI Desktop. The presentation delved into understanding data model relationships, a crucial aspect of Power BI. Furthermore, advanced visualization techniques were explored using DAX formulas for calculations, empowering attendees to unlock the full potential of Power BI.

The seminar included interactive elements, featuring a hands-on practice session where participants applied their newfound knowledge. A Q&A session followed, addressing queries and clarifying doubts. Throughout the event, the audience's interest was assessed, and resources for further learning and support were provided, ensuring a comprehensive learning experience. Overall, the seminar successfully equipped attendees with a solid understanding of Power BI, its applications, and advanced features, paving the way for enhanced business analytics and data-driven decision-making.

HOD

PRINCIPAL



C.H. MOHAMMED KOYA

KMEA Engineering College

Approved By AICTE

Affiliated to KTU

Accredited By NAAC & NBA (ME, CE, EEE, EC, CSE)



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

STARTUP READY - DEVELOPING IN-DEMAND SKILLS



Mr. Vinayak

Senior Data Architect
IKEA of Sweden

NOVEMBER 9, 2023

9:30 - 12:30

Online hands-on Workshop

"Discover the critical role of data analysis in today's businesses and enhance your skills with our focused Power BI tutorial."





Nov 9, 2023 9:41:10 AM



C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. REKHA LAKSHMANAN |

Type of Activity:

NATION WIDE EXTENSION ACTIVITY

Title of Activity:

Department of Computer Science & Engineering Celebrating India's 76th Independence by Conducting a Series of National Level Awareness programme on Digital Literacy, AI & it's Emerging Trends

Objectives:

To enlighten the theme of 76th celebration of India's Independence : To make an insight into the theme of 76 th Independence of India “NATION FIRST ALWAYS FIRST”. It mainly focus to the IT professional students to remind their prime duties & responsibilities, to our Mother land and also to those Public who belong to non-technical background.

Promote National-Level Digital Literacy: The program seeks to promote digital literacy at a national level, enabling individuals to effectively utilize digital tools and technologies in their personal and professional lives. The program seeks to provide computer literacy to individuals from different backgrounds, including students, self-help groups, youth, tribes, and the general public.

Empower Recent Advancements in digital world: By providing insights into recent advancements in AI, the program intends to empower participants with the knowledge required to stay updated in an ever-evolving technological landscape.

To reach grassroots levels: By conducting classes in various districts in Kerala & other States of India, the program aims to reach communities at the grassroots level, ensuring that even remote areas have access to computer science education and emerging trends in technology.

To encourage participation: The program strives to encourage participation from local communities and diverse groups, fostering an inclusive learning environment.

To gather feedback and improve: The program aims to gather feedback from participants and continuously improve the sessions based on the received appreciation and suggestions.

To collaborate with local government bodies: The program aims to collaborate with local government representatives to gain support and encouragement, thereby enhancing its reach and impact.

Offer Free Sessions on Computer Literacy: The program seeks to eliminate barriers to learning by providing exclusive free offline&online sessions on computer literacy, ensuring that financial constraints do not hinder participation.

Level of activity (College/Regional / National / International) and target audience

NATIONAL LEVEL

Students, Self help groups like Kudumbasree, women, Youth, individuals from different backgrounds, tribes, and the general public.

Expected outcome - academic / social / commercial

ACADEMIC, SOCIAL, NATIONAL INTEGRATION, EXTENTION
ACTIVITY, WOMEN EMPOWERMENT

| |
|--|
| |
|--|

Program details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|--|------------------------|---|----------------------------------|---|
| 18.11.2023 19.11.2023 20.11.2023 | 9:30am to 4:30pm | Three days workshop on national level digital & AI awareness program conducted for self help group, Sullamussalam kudumbasree, Kottayam | Thaliyilkotta, Thazhathangady | Venue, Laptop |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-----------------|---------------------------|--------------------|--|
| Dr. Benazir K K | HoD & Associate Professor | KMEA Engg. College | Digital Literacy AI & its emerging trends |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any. Yes. AI FOUNDATION TRUST INDIA.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|--------------------|--------------------|--|--|--------------------------------------|------------------------------|
| KMEA Engg. College | KMEA Engg. College | www.kmeacollege.ac.in/ | Dr Benazir KK Associate Professor bkk.cs@kmeacollege.ac.in | Programme Coordinator | Nil |
| | | | | | |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | NA |
| Stationery, printing, | | | | |

| | | | | |
|---|--|--|--|--|
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinator

| | |
|-------------------|-----------------------------------|
| | Coordinator 1 |
| Name | Dr Benazir KK |
| Exact designation | Associate Professor |
| Department | Computer Science & Engg., KMEA |
| Cell number | 9447660880 |
| Email | bkk.cs@kmeacollege.ac.in |
| Signature | |

Report of the Event:

Three days Hands on workshop for self help group of Kudumbasree ladies . The Nation Level programme organized by the department of Computer Science & Engineering , KMEA Engineering College was inaugurated by Smt Suhra Shaji,ADS ,Ward 48 Kottayam Municipality on 18/11/2023, at Thaliyilkotta,Thazhathangady,Kottayam . Representatives from Local Government self help groups were attended. The three days awareness programme was conducted for the Kudumbasree unit ladies ,students & home makers. Smt Sauda Kabeer, Secretary, Sullamussalam Kudumbasree delivered welcome speech. Smt Sheena Shams,President, Sullamussalam Kudumbasree delivered vote of thanks. The session included the following topics for the specific target groups.

- Security of mobile phones, laptops, and other electronic devices, bank transactions,social media-Threats &precautions to be taken.
- How to use apps from the Govt. of Kerala for citizen benefits
- Digital banking apps and their security, do's and don'ts of digital banking
- Social media etiquette
- Safety of email accounts, FB and other social media accounts

Introduction to Artificial Intelligence, It's history, Types of AI, Pros &Cons of AI, Applications of AI, Social relevance & benefits of AI.

The entire programme received very good feedback from the participants. They expressed their willingness to cooperate with similar upcoming programmes of KMEA Engineering College.

HOD

PRINCIPAL



KMEA ENGINEERING COLLEGE

Edathala P.O. Ernakulam - 683501

NAAC Accredited Institute | Approved by AICTE | Affiliated to KTU



Department of Computer Science and Engineering

Celebrating India's 76th Independence
"NATIONAL LEVEL SERIES OF AWARENESS PROGRAMME ON DIGITAL LITERACY, AI & IT'S EMERGING TRENDS"

"NATION FIRST ALWAYS FIRST"

Venue: Sullamussalam Kudumbasree, Kottayam (Ward 48)

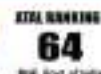
Three Day Hands On Awareness Programme
November 18,19,20 2023

Resource Person : Dr. Benazir K K

(HoD Computer Science and Engineering KMEA Engineering College)



Free Online and Offline Sessions



INSTITUTION'S INNOVATION COUNCIL



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

SEMINAR

Title of Activity:

CATALYST FOR STARTUP CAREERS

Objectives:

- To improve students' technical skills in areas relevant to their branch of study.
- To develop students' soft skills, such as communication, teamwork, and problem-solving.
- To enhance students' aptitude and logical reasoning skills.
- To help students develop a strong understanding of their strengths, weaknesses, opportunities, and threats (SWOT analysis).

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|---------|------------------------------|-----------------|---|
| 27.02.2024 | 9.30 am | Catalyst for Startup Careers | Conference Hall | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------------------|---------------------------|-----------------------|-------------------|
| Mr. Aravind Nair | Principal product manager | Microsoft Corporation | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|------|------------------|-----------------|
| Name | Dr Sheena Kurian | Mrs. Vidya Hari |

| | | |
|-------------------|--|--|
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9746798804 | 9447625552 |
| Email | skn.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The program aimed to empower students with the necessary skills and knowledge to excel. Through this program, students' technical skills in areas relevant to their branch of study were significantly improved, making them more competitive in the job market. Additionally, the program focused on developing essential soft skills such as communication, teamwork, and problem-solving, which are highly valued by employers.

A key aspect of the program was helping students develop a strong understanding of their strengths, weaknesses, opportunities, and threats (SWOT analysis), enabling them to make informed career decisions and present themselves more effectively to potential employers. Overall, the campus placement training program was a comprehensive initiative to prepare students for success in their future careers.

HOD

PRINCIPAL



C.H. MOHAMMED KOYA
KMEA Engineering College
 Approved By AICTE
 Accredited By NAAC & NBA (ME, CE, EEE, EC, CSE)



Department of computer science and engineering

CATALYST FOR STARTUP CAREERS

Transform your dreams into career! Enroll in the placement training program now



MR. ARAVIND NAIR

Principal product manager at Microsoft corporation



**TUESDAY
27/02/2024**



**TIME
9 30 pm**



CONFERENCE HALL





GPS Map Camera

Ernakulam, Kerala, India
393J+M2X, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.054266°
Long 76.380021°
27/02/24 09:50 AM GMT +05:30

Google



Feb 27, 2024 3:54:01 PM
Kuzhivelippady
Ernakulam
Kerala



Ernakulam, Kerala, India
393J+M2X, Mochamkulam, Kuzhivelippady, Kerala 682021, India
Lat 10.05418°
Long 76.380005°
27/02/24 09:50 AM GMT +05:30

GPS Map Camera

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENA ZIR K K |

Type of Activity:

HACKATHON

Title of Activity:

Hac'K_24

Objectives:

- Foster innovation, creativity, and problem-solving skills among participants
- Provide a platform for students to collaborate, design, and develop innovative software solutions
- Encourage effective communication, idea sharing, and teamwork among group members
- Develop critical thinking and unique problem-solving approaches
- Create functional and impactful projects that address real-world challenges
- Learn from industry experts and receive mentorship
- Gain exposure to cutting-edge technologies and trends in software development

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|---|-----------|-------------------|---|
| 11.05.2024 & 12.05.2024 | 8.00 am (11.05.2024) – 11 am (12.05.2024) | Hackathon | KMEA Engg College | Laptops |

Organizer Details:

| Name | Designation | Organization | Area of Expertise |
|--------------|-------------|-------------------|---|
| Dept. Of CSE | | KMEA Engg College | Medtech, Edutech, Agrotech, Open Innovation |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment Rs. |
|------|---------|---------|------------------------------------|---------------------------------------|--------------------------|
| | | | | | Nil |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | | |
|--|---------------|---------------|
| | Coordinator 1 | Coordinator 2 |
|--|---------------|---------------|




| | | |
|-------------------|-----------------------------------|--|
| Name | Ms. Vidhya Hari | Dr. Benazir K K |
| Exact designation | Assistant Professor | Associate Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447625552 | 9447660880 |
| Email | vdh.it@kmeacollege.ac.in | bkk.cs@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The 24-hour software-based hackathon aims to achieve several key objectives. These include fostering innovation, creativity, and problem-solving skills among participants, and providing a platform for students to collaborate and develop innovative software solutions. The event encourages effective communication, idea sharing, and teamwork among group members, while also promoting critical thinking and unique problem-solving approaches. By working on functional and impactful projects, participants address real-world challenges and gain valuable experience. Additionally, the hackathon offers opportunities to learn from industry experts, receive mentorship, and gain exposure to cutting-edge technologies and trends in software development.

HOD

PRINCIPAL



TIMELINE


| | |
|-------------------------------------|--------------------|
| Registration Begins | 24th April (10 PM) |
| Registration Closes | 8th May (5 PM) |
| Short listing | 8th May (12 PM) |
| Team Selection (Shortlisting/RSVP) | 9th May |
| Hackathon Begins (Opening Ceremony) | 11th May (8 AM) |
| Hackathon Concludes | 12th May (11 AM) |
| Results | 12th May (12PM) |



HACK_24
HACK_24


Hac'K_24, The race begins.. We brings the best ever 24hrs software based Hackathon. Organizing by **Department of Computer Science and Engineering** KMEA Engineering College.

Reg fee : ₹0



CONDUCTING ON:
MAY
11TH & 12TH

Venue: KMEA Engineering College





DEPARTMENT OF
COMPUTER SCIENCE
AND ENGINEERING



HCK 24

24 HOURS HACKATHON

EXPERIENCE THE FUTURE OF INNOVATION

Unleash Your Creativity: 24 Hours of Round-the-Clock
Innovation, Collaboration, and Limitless Potential!

prize pool
35K

VENUE

Academic Block,
KMEA ENGINEERING COLLEGE,
ERNAKULAM

MAY
11-12

contact:
7736148610
8589062939

2024

FREE HACKATHON









C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

NATION WIDE EXTENSION ACTIVITY

Title of Activity:

Department of Computer Science & Engineering Celebrating India's 76th Independence by Conducting a Series of National Level Awareness programme on Digital Literacy, AI & it's Emerging Trends

Objectives:

To enlighten the theme of 76th celebration of India's Independence : To make an insight into the theme of 76 th Independence of India “NATION FIRST ALWAYS FIRST”. It mainly focus to the IT professional students to remind their prime duties & responsibilities, to our Mother land and also to those Public who belong to non-technical background.

Promote National-Level Digital Literacy: The program seeks to promote digital literacy at a national level, enabling individuals to effectively utilize digital tools and technologies in their personal and professional lives. The program seeks to provide computer literacy to individuals from different backgrounds, including students, self-help groups, youth, tribes, and the general public.

Empower Recent Advancements in digital world: By providing insights into recent advancements in AI, the program intends to empower participants with the knowledge required to stay updated in an ever-evolving technological landscape.

To reach grassroots levels: By conducting classes in various districts in Kerala & other States of India, the program aims to reach communities at the grassroots level, ensuring that even remote areas have access to computer science education and emerging trends in technology.

To encourage participation: The program strives to encourage participation from local communities and diverse groups, fostering an inclusive learning environment.

To gather feedback and improve: The program aims to gather feedback from participants and continuously improve the sessions based on the received appreciation and suggestions.

To collaborate with local government bodies: The program aims to collaborate with local government representatives to gain support and encouragement, thereby enhancing its reach and impact.

Offer Free Sessions on Computer Literacy: The program seeks to eliminate barriers to learning by providing exclusive free offline & online sessions on computer literacy, ensuring that financial constraints do not hinder participation.

Level of activity (College/Regional / National / International) and target audience

NATIONAL LEVEL

Students, Self help groups like Kudumbasree, women, Youth, individuals from different backgrounds, tribes, and the general public.

Expected outcome - academic / social / commercial

ACADEMIC, SOCIAL, NATIONAL INTEGRATION

Program details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-------------------------|----------|---|-----------------------|---|
| 29.08.2024 & 30.08.2024 | 10:00 am | The seventh session Awareness program conducted | Al-Manar HSS Edathala | Venue, LCD Projector, Laptop |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|----------------|-------------------------|--------------------|---|
| Dr.Benazir K K | HoD&Associate Professor | KMEA Engg. College | Digital Literacy AI & it's emerging trends |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|--------------------|--------------------|--|--|--------------------------------------|------------------------------|
| KMEA Engg. College | KMEA Engg. College | www.kmeacollege.ac.in/ | Dr Benazir KK Associate Professor bkk.cs@kmeacollege.ac.in | Programme Coordinator | Nil |
| | | | | | |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI |

| | | | | |
|---|--|--|--|---------------------|
| | | | | Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 |
|-------------------|-----------------------------------|
| Name | Dr Benazir KK |
| Exact designation | Associate Professor |
| Department | Computer Science & Engg., KMEA |
| Cell number | 9447660880 |
| Email | bkk.cs@kmeacollege.ac.in |
| Signature | |

Report of the Event:

The Seventh Session Nation Level programme organized by the department of Computer Science & Engineering, KMEA Engineering College was inaugurated by Principal, Al-Manar HSS, on 29/08/2024 and 30/08/2024, at Al-Manar Higher Secondary School, Edathala. Representatives from different classes, higher secondary students & teachers were also present. The session included the following topics for the specific target groups.

- Security of mobile phones, laptops, and other electronic devices.
- How to use apps from the Govt. of Kerala for citizen benefits
- Digital banking apps and their security, do's and don'ts of digital banking
- Social media etiquette
- Safety of email accounts, FB and other social media accounts

Introduction to Artificial Intelligence, It's history, Types of AI, Pros & Cons of AI, Applications of AI, Social relevance & benefits of AI.

The entire programme received very good feedback from the participants. They expressed their willingness to cooperate with similar upcoming programmes of KMEA Engineering College.

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:
 Hands-on-session

Title of Activity:

Project Expo

Objective:

To familiarize first semester students about the project concepts of final year students.

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- commercial

Program details

| Date | Time | Activity | Venue |
|------------|--------------|----------|-------------|
| 09/08/2024 | 3 PM-4.30 PM | Workshop | Project lab |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|------------|---------------------------|--|--|
| 09/08/2024 | Seventh semester students | | |
|------------|---------------------------|--|--|

REPORT

The Workshop was conducted at 3 pm on 09/08/2024 by the Electronics & Communication Engineering Department. The session was handled by seventh semester students EC department. The first semester students of EC department were the audience. 20 students actively participated in the session. The session includes the projects of final year students and its working. The expo was truly a motivational session for newly joined students.

Add Poster and photos.



C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

Accredited by NAAC & NBA (ME,CE,EEE,EC,CSE)

PROJECT EXPO



**ELECTRONICS AND COMMUNICATION
DEPARTMENT**



Project and Simulation Lab

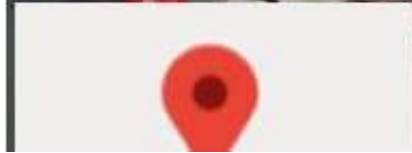


August 9th , 2024



3:00 PM - 4:30 PM





null, Kerala, India
393H+8QQ, Mochamkulam, Kuzhivelippady,





Ernakulam, Kerala, India



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|---|
| Name of the Department | Department of Electrical & Electronics Engineering |
| Name of the Head of the Department | Dr. Reena Sebastian |

Type of Activity:
Five Day WORKSHOP

Title of Activity :
Five Day Workshop on JAVA for Innovators: Empowering your startup journey

Objective :

Add rows as required

The primary objective of the workshop was to equip participants with the skills and knowledge necessary to effectively utilize Java in building robust and scalable applications. The workshop aimed to empower entrepreneurs by providing them with the technical expertise needed to turn their innovative ideas into reality.

Add rows as req

Level of activity (College/Regional / National / International) and target audience

College

Expected outcome - academic / social / commercial

1. Understand and articulate the basic principles of software architecture.
2. Identify different architectural styles (Monolithic, Microservices, Layered, Event-Driven) and their use cases.
3. Participants will gain a solid understanding of Java programming, including both fundamental concepts and advanced topics relevant to their startup needs. They should be able to write efficient, maintainable, and scalable Java code.
4. Participants will build connections with other innovators, mentors, and industry experts, fostering a community of practice that can provide support, advice, and potential partnerships..
5. Design and develop Java applications that effectively use OOP principles.
6. By learning best practices, tools, and frameworks, attendees will improve their development workflows, resulting in faster and more efficient project execution.

Programme Details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-----------------------|--------------------|-------------------|-----------------|---|
| 18/03/2024-22/03/2024 | 9:30am to 12:30 pm | Talk session | Programming lab | ARCHON Solutions |
| | 1:30am to 4:30 pm | Practical session | | |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|----------------------|----------------------|------------------|-------------------|
| Ms.Arathi & Ms.Veena | Software Developer s | ARCHON Solutions | JAVA,PYTHON |

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , | Roles in | Financial |
|------|---------|---------|------------------|----------|-----------|
|------|---------|---------|------------------|----------|-----------|

| | | | | | |
|----|--|--|--------------------|-----------------------------|--------------------------------|
| | | | designation, email | collaborating/participating | commitment [#] in Rs. |
| | | | | | |
| NA | | | | | ----- |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | 1300 per student | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | 79300 | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|--------------------------|
| Name | Raji T R | Neenu B |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | EEE | EEE |
| Cell number | 6282174446 | 9567479101 |
| Email | rtr.ee@kmeacollege.ac.in | nub.ee@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

Archon Solutions conducted a comprehensive five-day workshop on Java Mastery, covering fundamental and advanced topics essential for proficient Java programming and full-stack development from 18-03-2024 to 22-03-2024 in programming lab. The workshop was structured to provide both theoretical knowledge and practical experience, with two expert faculty members leading the sessions. The workshop was divided into two main sessions each day: **Forenoon Session (Theory):** Led by one faculty member focusing on theoretical concepts. **Afternoon Session (Practical):** The workshop concluded with a feedback session, where participants shared their experiences and takeaways. Many highlighted the practical approach of the workshop, noting that the hands-on sessions and expert guidance were

particularly beneficial. Participants expressed increased confidence in their ability to use Java to develop their startup ideas and appreciated the opportunity to connect with peers and mentors.

Overall, the workshop was a resounding success, achieving its goal of empowering innovators with the technical skills and knowledge necessary to advance their startup journeys. The organizers hope that the participants will continue to build on what they learned and bring their innovative ideas to life using Java.

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

PRINCIPAL



C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

**INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES**

| | |
|---|---|
| Name of the Department | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Name of the Head of the Department | Dr. SHAHIN M ABDULLA |

Type of Activity:

WORKSHOP

Title of Activity:

"EMBEDDED SYSTEM WITH PCB DESIGN"

Add rows as required

Objective:

To familiarize sixth semester students on the EMBEDDED SYSTEM WITH PCB DESIGN with projects.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College Level, Sixth Semester ECE Students

Add rows as required

Project Impact -Expected outcome - academic / social / commercial

Students became aware of the PCB designing projects.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|---------------------|-----------------|----------|------------------|--|
| 26/02/2024-1/3/2024 | 10 am – 4.30 pm | Workshop | Systems Lab, ECE | Desktop Computers, Arduino Board, Bluetooth module etc.) |

Add rows as required

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------------------------|-------------|--|---------------------------------------|
| Sinro robotics Pvt Ltd | | Dept. of ECE, KMEA Engineering College | ARDUINO PROGRAMMING AND PCB DESIGNING |

Budget Estimates

| Head of expenditure | Anticipated expenditure | Budget by parent organisation | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | nil | | | |
| Stationery, printing, | na | | | |
| Travel, Stay and DA | na | | | |
| Other (please write each heading in each row) | na | | | |

| | | | | |
|--------------|-----|--|--|--|
| Total | nil | | | |
|--------------|-----|--|--|--|

Add rows as required.
Max assistance 3 Lakhs

Details of Coordinators

| | Coordinator |
|-------------------|---|
| Name | AMRUTHA P R |
| Exact designation | Assistant Professor |
| Department | Electronics & Communication Engineering |
| Cell number | 9562892155 |
| Email | apr.ec@kmeacollege.ac.in |
| Signature | |

Report of the Event: (Minimum 500 Words)

The Workshop was conducted at 10 am to 4.30 pm on 26/02/2024 to 1/3/24 by the Electronics & Communication Engineering Department. The session was coordinated and conducted by Ms. AMRUTHA P R (Assistant Professor) of Electronics & Communication Engineering Department. The sixth semester students of EC department were the audience. 31 students actively participated in the session. The resource person gave clear insight into the fundamentals of Arduino and its programming. The session included projects of arduino fundamentals and PCB design.

HOD

PRINCIPAL



C.H.MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
Approved by AICTE Affiliated to APJ Abdul Kalam Technological University
EDATHALA PO, COCHIN, KERALA, INDIA 683561



Department of Electronics and Communication Engineering

Presents

Add on course on Embedded system with PCB design

By

Sinro Robotics pvt Ltd

26 February - 1 March 2024

VENUE : SYSTEMS LAB TIME :10AM TO 4.30PM









C. H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER
TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. REKHA LAKSHMANAN |

Type of Activity:

NATION WIDE EXTENSION ACTIVITY

Title of Activity:

Department of Computer Science & Engineering Celebrating India's 76th Independence by Conducting a Series of National Level Awareness programme on Digital Literacy, AI & it's Emerging Trends

Objectives:

To enlighten the theme of 76th celebration of India's Independence : To make an insight into the theme of 76 th Independence of India “NATION FIRST ALWAYS FIRST”. It mainly focus to the IT professional students to remind their prime duties & responsibilities, to our Mother land and also to those Public who belong to non-technical background.

Promote National-Level Digital Literacy: The program seeks to promote digital literacy at a national level, enabling individuals to effectively utilize digital tools and technologies in their personal and professional lives. The program seeks to provide computer literacy to individuals from different backgrounds, including students, self-help groups, youth, tribes, and the general public.

Empower Recent Advancements in digital world: By providing insights into recent advancements in AI, the program intends to empower participants with the knowledge required to stay updated in an ever-evolving technological landscape.

To reach grassroots levels: By conducting classes in various districts in Kerala & other States of India, the program aims to reach communities at the grassroots level, ensuring that even remote areas have access to computer science education and emerging trends in technology.

To encourage participation: The program strives to encourage participation from local communities and diverse groups, fostering an inclusive learning environment.

To gather feedback and improve: The program aims to gather feedback from participants and continuously improve the sessions based on the received appreciation and suggestions.

To collaborate with local government bodies: The program aims to collaborate with local government representatives to gain support and encouragement, thereby enhancing its reach and impact.

Offer Free Sessions on Computer Literacy: The program seeks to eliminate barriers to learning by providing exclusive free offline & online sessions on computer literacy, ensuring that financial constraints do not hinder participation.

Level of activity (College/Regional / National / International) and target audience

NATIONAL LEVEL

Students, Self help groups like Kudumbasree, women, Youth, individuals from different backgrounds, tribes, and the general public.

Expected outcome - academic / social / commercial

ACADEMIC, SOCIAL, NATIONAL INTEGRATION

Program details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|----------|--|---|---|
| 12.09.2023 | 10:00 am | The fourth session Awareness program conducted for Higher secondary school students nearby KMEA institutions | KMEA ALMANAR HSS ,Kuzhivelippadi,Edathala | Venue, LCD Projector, Laptop |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------------------|---|--------------------|--|
| Miss Afla Nazrin | Student,S5 Btech,Computer Science & Engineering | KMEA Engg. College | Digital Literacy AI & it's emerging trends |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Address | Website | Contact person, designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|--------------------|---------------------|--|--|--------------------------------------|------------------------------|
| KMEA Engg. College | KMEA Engg. College, | www.kmeacollege.ac.in/ | Dr Benazir KK Associate Professor bkk.cs@kmeacollege.ac.in | Programme Coordinator | Nil |
| | | | | | |

Budget Estimates

| | | |
|--|--|--|
| | | |
|--|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|-----------------------------------|-----------------------------------|
| Name | Dr Benazir KK | Mrs. Shyni Shajahan |
| Exact designation | Associate Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9447660880 | 8848273401 |
| Email | bkk.cs@kmeacollege.ac.in | |
| Signature | | |

Report of the Event:

Day 4. The fourth session Nation Level programme organized by the department of Computer Science & Engineering , KMEA Engineering College was inaugurated by Mrs Ambily Principal, Al Manar HSS, on 12/09/2023, at Conference Hall KMEA Engineering College . Representatives from different classes, higher secondary students & teachers were also present. The day 4 awareness programme was conducted for the nearby HSS school students ,teachers & non teaching staff. Smt Selin M ,HOD, Computer Science & Engineering delivered welcome speech. Smt Liji Jose ,Assistant Professor , delivered vote of thanks. The session included the following topics for the specific target groups.

- Security of mobile phones, laptops, and other electronic devices.
- How to use apps from the Govt. of Kerala for citizen benefits
- Digital banking apps and their security, do's and don'ts of digital banking
- Social media etiquette

- Safety of email accounts, FB and other social media accounts

Introduction to Artificial Intelligence, It's history, Types of AI, Pros & Cons of AI, Applications of AI, Social relevance & benefits of AI.

The entire programme received very good feedback from the participants. They expressed their willingness to cooperate with similar upcoming programmes of KMEA Engineering College.

HOD

PRINCIPAL



KMEA ENGINEERING COLLEGE

Edathala P.O, Ernakulam - 683561

NAAC Accredited Institute | Approved by AICTE | Affiliated to KTU



Department of Computer Science and Engineering

Celebrating India's 76th Independence

"NATIONAL LEVEL SERIES OF AWARENESS PROGRAMME ON DIGITAL LITERACY, AI & IT'S EMERGING TRENDS"

"NATION FIRST ALWAYS FIRST"

Venue: KMEA AL-MANAR Higher Secondary School

12th Sept 2023

@ 10:00 AM

Speaker : Miss.Afla Nazrin (S5, BTech)



AI FOUNDATION TRUST

TOWARDS EXCELLENCE AND INNOVATION



Free Online and Offline Sessions



INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education, Government of India)





GPS Map Camera

Ernakulam, Kerala, India

302J+PF2, Edappally - Pukkattupady Rd, opp. to Salafi Juma Masjid,

Mochamkulam, Kuzhivelppady, Kerala 682021, India

Lat 10.052011°

Long 76.380916°

12/09/23 10:06 AM GMT +05:30

Google



C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU



EVENT: Expert talk on Process of Innovation
Development, TRL

Event Details

| Date | Time | Mode |
|------------|---------|---------|
| 16/01/2024 | 9:30 AM | offline |

Faculty in charge

| Name | Designation |
|-------------------------|------------------------|
| Dr Sangeetha C P | IIC coordinator |

Objective:

This session ensures a comprehensive understanding of product development and technology readiness level.

Report of the event:

A session on Process of Innovation development and Technology readiness level was organized by IIC KMEA on 16 January 2024 at 9.30AM. The eminent speaker was Mr Christin T Joseph. He is a highly qualified professional, holds a BTech in Mechatronics Engineering and an MTech in Machine Design from Anna University. Additionally, he is a Chartered Engineer recognized by the Institution of Engineers India. Transitioning to industry, he served as a Technical Advisor at Vismaya Amusement Park in Kannur, demonstrating his broad expertise. Later, as the Technical Director at R&D BlackBear Automations Pvt Ltd in Coimbatore, Christin spearheaded the development of over 250 industrial projects across various sectors in India. He shared his experience in product development like cow dung machine, sorting machines etc. The session ended up at 12.30PM with a vote of thanks by DR Sangeetha C P. 31 faculty from various departments participated in the event.



C. H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE
Approved by AICTE Affiliated to MG University & KTU

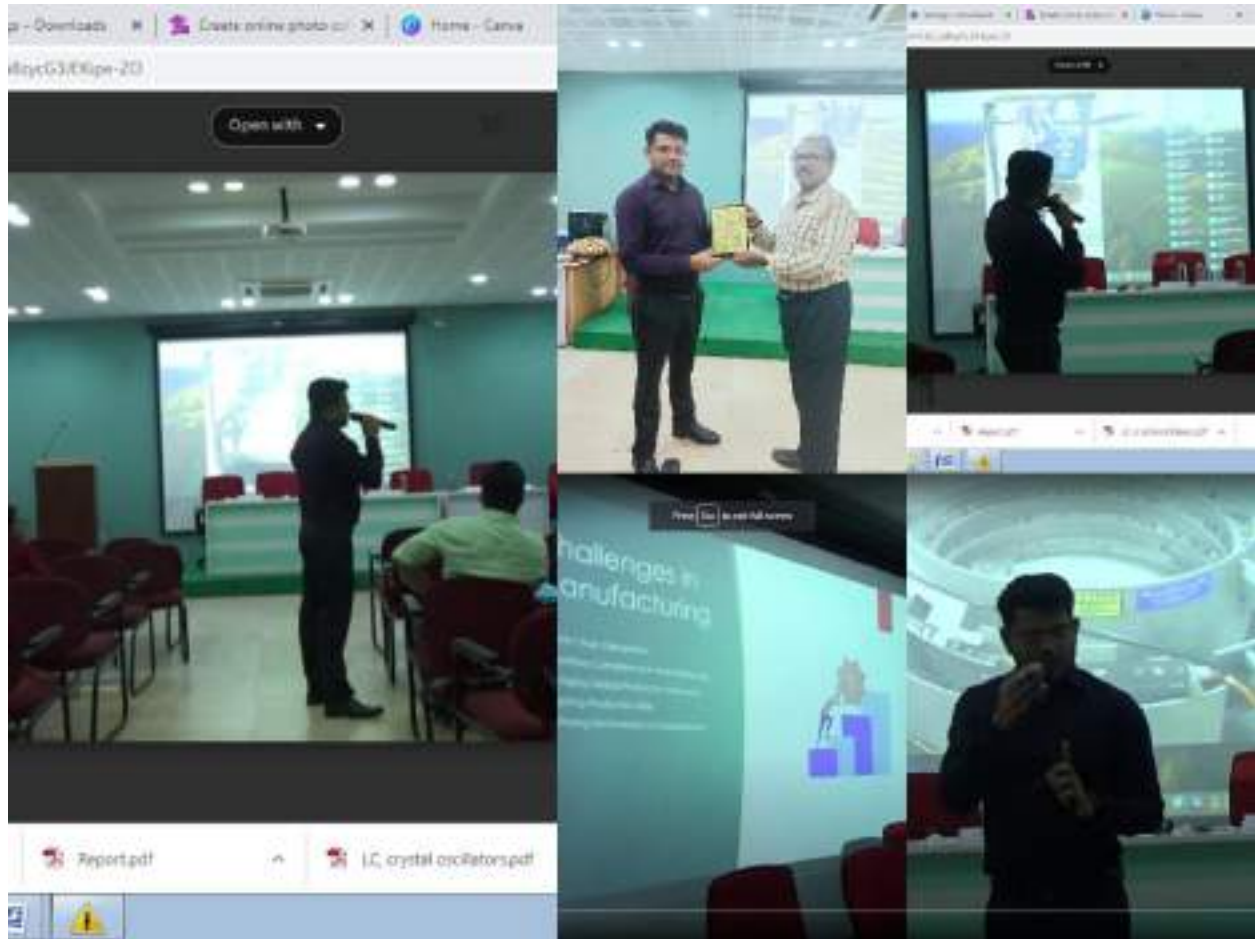


**Talk on Process of Innovation Development,
Technology Readiness level(TRL)**



**16 JANUARY 2024
10AM TO 9.30 AM
CONFERENCE HALL**

**MR. CHRISTIN T JOSEPH
CO-FOUNDER & DIRECTOR
BLACKBEAR AUTOMATIONS PVT LTD**





C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|----------------------------------|
| Name of the club/Department | COMPUTER SCIENCE AND ENGINEERING |
| Staff in charge | Mrs.LIJA JOY |

Type of Activity:

Hands-on-session

Title of Activity:

Industrial visit

Objective:

The visit aims to provide insight into the tea cultivation and manufacturing process, including production techniques and quality control measures. Students will learn about the history and evolution of the tea industry in Munnar, as well as the various tea varieties produced in the region. The visit will also provide opportunities for interaction with industry professionals, skill development, and exploration of potential career opportunities in the tea industry.

Level of activity (College/Regional / National / International) and target audience College level

Expected outcome - academic / social / commercial

- commercial

Program details

| Date | Time | Activity | Venue |
|------------|------------|------------------|---------------------------|
| 04-05-2024 | 11 AM-2 PM | Industrial Visit | Munnar Ripple Tea Factory |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|



KMEA Engineering college

**Department of Computer Science
and Engineering**

INDUSTRIAL VISIT REPORT

At Ripple Tea Factory

On 04-05-2024

INTRODUCTION

The S2 students of the Computer Science department embarked on a comprehensive industrial visit and tour, aimed at bridging the gap between academia and industry. This report highlights the visit's objectives, outcomes, and experiences.

OBJECTIVE

The objective of the industrial visit was to learn about quality control measures and standards in tea production and to observe and understand the application of technology in tea processing.

ABOUT ARCHON RIPPLE TEA FACTORY

The factory is situated in the heart of Munnar, amidst lush green tea gardens. Ripple Tea Factory produces high-quality tea using traditional methods and modern technology.³ The factory manufactures various tea varieties, including Black, Green, and White tea.

OUTCOMES

During the visit, students engaged in interactive sessions with industry experts, gaining a deeper understanding of the practical applications of theoretical concepts. Key outcomes included:

- . Practical knowledge: Students gain hands-on experience and practical knowledge of tea production processes.
- . Understanding of operations: Visitors understand the day-to-day operations of a tea factory.
- .Insight into industry challenges: Students learn about the challenges faced by the tea industry, such as quality control and sustainability.

CONCLUSION

The industrial visit to the tea factory was a valuable and enriching experience, providing us with a comprehensive understanding of the tea production process, from leaf selection to packaging. We gained practical knowledge, insight into industry challenges, and appreciation for the skill and effort involved in tea production. The visit reinforced theoretical concepts, developed our skills, and created awareness of career opportunities in the tea industry. We are grateful for the opportunity to interact with industry professionals and witness the fusion of tradition and technology in tea production. This visit has inspired us to pursue careers in the tea industry and has left a lasting impression on our minds.







INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|----------------------------------|
| Name of the club/Department | COMPUTER SCIENCE AND ENGINEERING |
| Staff in charge | Mrs. MUNSHIDHA K K |

Type of Activity:

Hands-on-session

Title of Activity:

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Level of activity (College/Regional / National / International) and target audience College level

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- commercial

Program details

| Date | Time | Activity | Venue |
|------------|------------|------------------|---------------------------|
| 04-05-2024 | 11 AM-2 PM | Industrial Visit | Munnar Ripple Tea Factory |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
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KMEA Engineering college

**Department of Computer Science
and Engineering**

INDUSTRIAL VISIT REPORT

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IV REPORT

S2 CSE

— 04/05/24 —

AS A PART OF OUR B.TECH CURRICULUM OUR COLLEGE ORGANIZED AN INDUSTRIAL VISIT TO MUNNAR ON 04/05/24 WE DEPARTED FROM OUR COLLEGE AT 6:00AM.OUR FIRST AIM WAS TO VISIT MUNNAR TEA FACTORY.THE VISIT AIMED TO PROVIDE US WITH INSIGHTS INTO THE MANUFACTURING PROCESS OF TEA, FROM THE RAW LEAF STAGE TO THE FINAL PRODUCT.ALSO THE OBJECTIVE OF THE VISIT WAS TO UNDERSTAND THE INTRICACIES OF TEA PRODUCTION AND TO OBSERVE THE OPERATIONS OF A TEA MANUFACTURING UNIT IN ONE OF INDIA'S MOST FAMOUS TEA-GROWING REGIONS.WE REACHED TEA FACTORY AT. 10:AM. AFTER WE ENTERED INTO TEA FACTORY WE HAD A INTERACTION SESSION WITH THE FACTORY STAFF,THEY GIVE A OVER VIEW OF TEA MANUFACTURING PROCESS. WE SPENT ABOUT 3 TO 4 HOURS THERE.

AFTER THAT WE WENT TO MATTUPPETTY DAM & KUNDALA DAM.THE VISIT TO MATTUPPETTY DAM HIGHLIGHTED THE IMPORTANCE OF DAMS IN HYDROELECTRIC POWER GENERATION, WATER RESOURCE MANAGEMENT, AND THEIR CONTRIBUTION TO LOCAL DEVELOPMENT. THE INTEGRATION OF THESE FUNCTIONS WITHIN A SINGLE INFRASTRUCTURE PROJECT WAS PARTICULARLY ENLIGHTENING.

ON OUR VISIT TO KUNDALA DAM, WE EXPLORED ITS ENGINEERING FEATURES, OPERATIONAL FUNCTIONS, AND ITS IMPACT ON THE LOCAL ENVIRONMENT AND COMMUNITY. THE DAM, SITUATED IN MUNNAR, SERVES PRIMARILY FOR IRRIGATION AND WATER CONSERVATION, PLAYING A CRUCIAL ROLE IN SUPPORTING LOCAL AGRICULTURE AND REGULATING WATER LEVELS.

THE VISITS TO KUNDALA DAM AND MATTUPETTY DAM OFFERED VALUABLE INSIGHTS INTO THE ENGINEERING FEATS INVOLVED IN WATER RESOURCE MANAGEMENT AND HYDROELECTRIC POWER GENERATION. THESE STRUCTURES NOT ONLY PLAY A VITAL ROLE IN SUPPORTING THE LOCAL COMMUNITY'S WATER NEEDS AND AGRICULTURAL ACTIVITIES BUT ALSO CONTRIBUTE SIGNIFICANTLY TO SUSTAINABLE ENERGY PRODUCTION. OBSERVING THE DAMS IN PERSON HIGHLIGHTED THE IMPORTANCE OF INNOVATIVE ENGINEERING IN HARMONIZING INFRASTRUCTURE DEVELOPMENT WITH ENVIRONMENTAL CONSERVATION.

IN CONCLUSION, THIS INDUSTRIAL VISIT PROVIDED US WITH A COMPREHENSIVE VIEW OF HOW NATURAL RESOURCES ARE HARNESSSED AND MANAGED FOR ENERGY PRODUCTION AND HOW AGRICULTURAL PRODUCTS LIKE TEA ARE PROCESSED FOR CONSUMPTION. THE KNOWLEDGE AND EXPERIENCES GAINED DURING THIS VISIT WILL UNDOUBTEDLY ENRICH OUR ACADEMIC AND PROFESSIONAL ENDEAVORS, REINFORCING THE IMPORTANCE OF SUSTAINABLE PRACTICES IN BOTH ENGINEERING AND INDUSTRY.







C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Hands-on-session

Title of Activity:

Familiarisation of SPICE

Objective:

To familiarize third semester students with LTSPICE.

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- academic

Program details

| Date | Time | Activity | Venue |
|------------|---------------|-------------------|-------------|
| 19/10/2023 | 1.30pm-2.30pm | Hands on workshop | Systems lab |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|------------|---------------|-----------------|-----|
| 19/10/2023 | Ms.Shikha U S | Asst. Professor | Nil |
|------------|---------------|-----------------|-----|

REPORT

Add Poster and photos.

The hands-on session was conducted at 1.30 pm on 19/10/2023 by the Electronics & Communication Engineering Department. The session was coordinated and handled by Ms. Shikha U S (Assistant Professor) of Electronics & Communication Engineering Department. The fifth semester students of EC department were the audience. 31 students actively participated in the workshop. The resource person gave clear insight into the fundamentals of integrated circuit simulation. The session included the basic rectifier circuits and some network theory problems.



C.H.Mohammed Koya
KMEA Engineering College

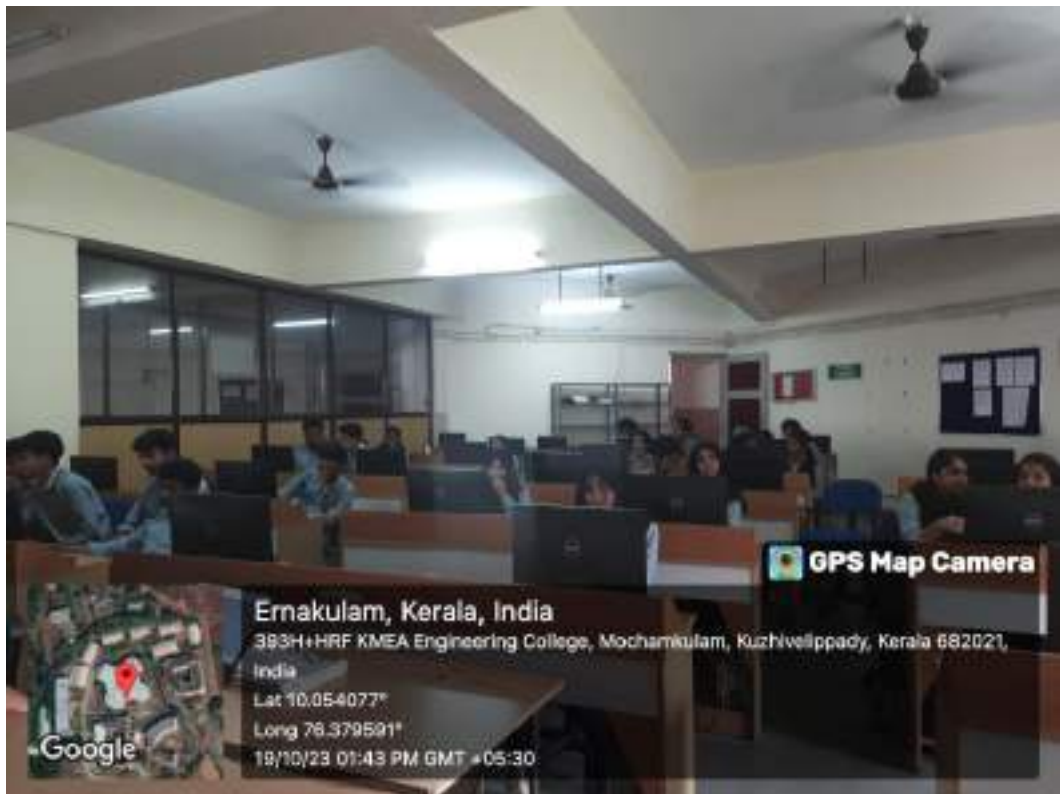
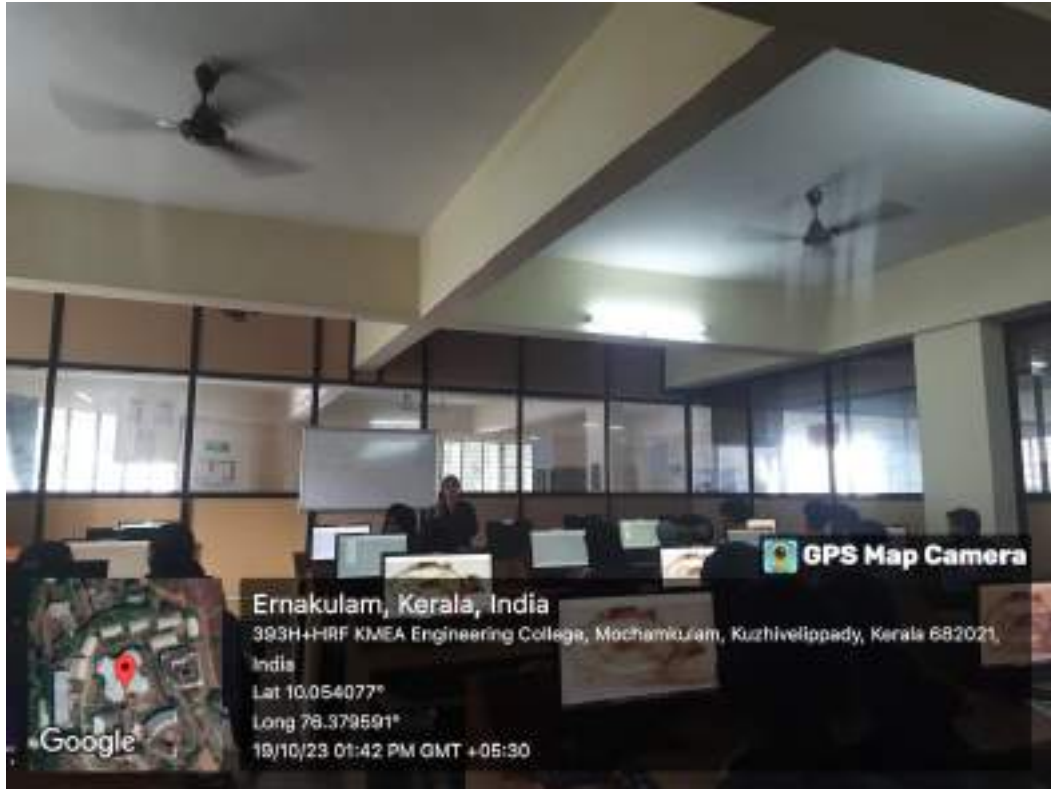
**DEPT. OF ELECTRONICS &
COMMUNICATION ENGINEERING**

**HANDS-ON
WORKSHOP ON**

**Familiarisation
of SPICE**

**RESOURCE PERSON: SHIKHA U S
ASSISTANT PROFESSOR, ECE, KMEA
ENGINEERING COLLEGE
OCT 19, 1:30 PM TO 2:30 PM
VENUE: SYSTEMS LAB, ECE**









C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|-------------------------------|
| Name of the club/Department | ELECTRONICS AND COMMUNICATION |
| Staff in charge | AMRUTHA P R |

Type of Activity:

Hands-on-session

Title of Activity:

Industrial visit

Objective:

To familiarize seventh semester students with virtual reality

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- commercial

Program details

| Date | Time | Activity | Venue |
|------------|-----------|------------------|------------|
| 12/07/2024 | 3 PM-5 PM | Industrial Visit | Tech maghi |

Resource Person Details :

| Date | Name | Designation | Remuneration |
|------|------|-------------|--------------|
|------|------|-------------|--------------|

| | | | |
|------------|------------|--|------|
| 12/07/2024 | Tech Maghi | | 3000 |
|------------|------------|--|------|

REPORT

Add Poster and photos.

INDUSTRIAL VISIT TO TECH MAGHI



JULY
12



3 PM

S7 ECE



INSTITUTE
OF INNOVATION
AND CREATIVITY

(Ministry of Education)



KMEA Engineering college

**Department of electronics and
communication engineering**

INDUSTRIAL VISIT REPORT

At Tech maghi

On 12-07-2025

Introduction

Our academic curriculum organized an industrial visit to Tech Maghi Company located within the KINFRA Industrial Park in Kalamasserry on the 20th of June, 2023. The factory visit offered our group of students valuable real-world insights into complex manufacturing operations and cutting-edge production technologies employed at a modern industrial facility.

Objectives

The primary goals for touring Tech Maghi's manufacturing plant were multifold: to comprehensively observe their operational processes in action, to witness industrial technologies practically applied in an authentic workplace setting, to gain a deeper understanding of their quality control and production mechanisms ensuring consistency, and to explore both the difficulties and solutions inherent to managing an industrial manufacturing environment.

About Tech maghi company...

Tech Maghi has cemented itself as a prominent manufacturer through leveraging innovative solutions. Their factory utilizes automated and digital systems to efficiently produce a wide array of precision components serving diverse industries. Adapting to evolving needs, Tech Maghi continuously improves processes to uphold global quality standards.

Activities during the visit

The introduction outlined Tech Maghi's colorful history from humble beginnings to market dominance, with an optimistic vision for continued innovation. Students were invited to explore diverse divisions including production, quality assurance, and R&D through informative presentations and self-guided tours.

Upon arrival, a meticulous orientation emphasized safety protocols to protect curious minds amid complex machinery. Production's intricate orchestration of raw materials, robotics, and human synergy generating meticulously engineered products was awe-inspiring. Quality control's dedication to fastidious standards before distribution ensured reliability. Meanwhile, the research department's creative problem-solving fueled promising prospects that could transform technologies and lives.

Interacting with dedicated employees across functions cultivated appreciation for cooperation underlying Tech Maghi's success. Students left energized by innovative spirit and commitment to quality permeating the organization, keen to apply valuable lessons from this illuminating experience in their own pursuits of excellence.

Learning outcomes

The visit to Tech Maghi Company was highly illuminating, imparting several thought-provoking learnings. We gained nuanced comprehension of how intricate industrial workflows seamlessly interconnect, achieving proficient output. The tour exhibited modernization's application, such as automated mechanisms, robotic assistants, and engineered interfaces streamlining manufacturing,

highlighting technology's transformation. Emphasis on flawlessness and consistency underscored maintaining exceptional standards in craftsmanship to satisfy clients. Tech Maghi's dedication to sustainable construction, lessening environmental impact, provided perspective on industries adapting to ecological crises through diligence and innovation.

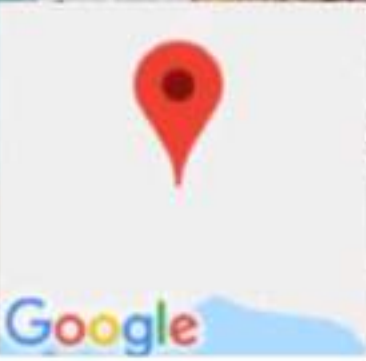
Conclusion

The industrial visit to Tech Maghi Company was a valuable experience that provided a real-world perspective on the functioning of a modern manufacturing facility. The knowledge gained from this visit will be instrumental in our academic and professional growth. We extend our sincere thanks to the management and staff of Tech Maghi Company for their hospitality and for providing us with this opportunity to learn.





GPS Map Camera



null, Kerala, India
36, HMT Colony, North Kalamassery, Kalamassery, Kochi,
Long 76.354173°
Lat 10.055773°
12/7/2024 05:13 PM

INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

| |
|----------------|
| SEMINAR |
|----------------|

Title of Activity:

| |
|-----------------------------|
| TECH STARTUP CONNECT |
|-----------------------------|

Objectives:

| |
|---|
| <ol style="list-style-type: none">1. Define what IT encompasses, including software, hardware, and networking.2. Discuss current trends in IT such as cloud computing, AI/ML, cybersecurity, and big data.3. Highlight statistics and projections for growth and employment in IT.4. Artificial Intelligence and Machine Learning: Explain how AI/ML is transforming various industries and what skills are in demand.5. Discuss the importance of cybersecurity and the growing need for professionals in this field.6. Overview of cloud services (AWS, Azure, Google Cloud) and their impact on business operations.7. Introduce blockchain technology and its potential applications beyond cryptocurrency.8. Outline various roles such as software developer, data scientist, network administrator, IT consultant, and project manager.9. Discuss relevant certifications (e.g., AWS Certified Solutions Architect, CompTIA Security+) and additional educational resources.10. Opportunities for tech entrepreneurs, startup ecosystems, and innovation hubs.11. How technology is creating new business opportunities and disrupting traditional industries.12. How to stay current with technological advancements and industry shifts.13. Emphasize the importance of continuous education and skills upgrading. |
|---|

14. Allow students to ask questions and discuss topics of interest.

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL
Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|-------|------------------------------------|-----------------|---|
| 12-07-2024 | 10 am | Technical Talk on IT Opportunities | Conference Hall | Smart Board |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|-----------------|-------------|--------------|-------------------|
| Pranshu Mahajan | Faculty | IIIT Kotayam | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | Nil | Nil | NA | Request given to AI Foundation India |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|--|
| Name | Mrs. Abeera V.P. | Mrs. Vidya Hari |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9656587703 | 9447625552 |
| Email | avp.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The recent technical talk provided a comprehensive overview of the vast opportunities within the IT industry for B.Tech students. We began by examining the broad scope of IT, including its key areas of software, hardware, and networking. Current industry trends were highlighted, with a focus on cloud computing, artificial intelligence, cybersecurity, and big data, illustrating the sector's rapid growth and evolving nature. The talk delved into emerging technologies such as AI/ML, cybersecurity advancements, cloud services, and blockchain, emphasizing their transformative impact and the skills required for each.

The discussion then transitioned to career opportunities within IT, outlining various roles like software developers, data scientists, and network administrators, and detailing the essential skills and qualifications needed for these positions. Practical advice was provided on gaining experience through internships, networking, and personal branding. We also covered the importance of soft skills, problem-solving, and continuous learning in building a successful IT career.

Additionally, the talk explored entrepreneurship and innovation within the tech sector, showcasing opportunities for tech-driven business ventures. The session concluded with a presentation of resources for further education, career counseling options, and an interactive Q&A segment, which addressed students'

specific interests and queries. Overall, the talk equipped students with valuable insights and guidance for navigating their future careers in IT.

HOD

PRINCIPAL





INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|-------------------|
| Name of the Department | CIVIL ENGINEERING |
| Name of the Head of the Department | Dr. SIJA ARUN |

Type of Activity:

TEP Cell Event

Title of Activity :

Technical Talk on “General Introduction to Building Information Modelling”

Add rows as required

Objective :

The primary objective of the activity was to provide participants with a comprehensive understanding of Building Information Modelling (BIM), its applications in the construction industry, and its potential to enhance project efficiency and collaboration.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College Level Activity- S7 students

Add rows as required

Expected outcome - academic / social / commercial

- Participants should have gained a clear and comprehensive understanding of what BIM is, its principles, and how it differs from traditional construction methodologies.

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|----------|------------------|--|-----------------------|---|
| 02/11/23 | 11.30 – 12.35 PM | Technical Talk on “General Introduction to Building Information Modelling” | Seminar Hall, D-Block | Facilities available in seminar hall |

Add rows as required

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|----------------|-------------------|---|---------------------|
| Er. Syed Nazif | Managing Director | Ace India Training and Services PVT LTD | Structural Engineer |

Add rows as required

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating /participating | Financial commitment# in Rs. |
|--|--|---|--|---------------------------------------|------------------------------|
| Ace India Training and Services PVT LTD, | xxvl / 69 , L-1, kuttoth complex, opposite reliance fresh, pookkattupady road, Toll junction, Edapally P O, Kochi, India | https://theaceindia.com/ | Syed Nazif, Managing Director, contact@acecoghin.com | Resource Person | nil |

[§]Mention role of Industry/organisation.

Add rows as required..

#Attach copy of letters received from participating industry showing intent / financial commitment etc.

| Budget Estimates | | |
|------------------|--|--|
| | | |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | NIL |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|---------------|
| Name | Rajeena K K | |
| Exact designation | Assistant Professor | |
| Department | Civil Engineering | |
| Cell number | 9895579190 | |
| Email | rkk.ce@kmeacollege.ac.in | |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The program started at 11.00 am with a prayer. The welcome speech was delivered by Dr. Sija Arun., Head of the Department, Civil Engineering. Then the session was handed over to the speaker Mr.Syed Nazif ,Managing Director of ACE India Pvt Ltd. The activity on the general introduction to Building Information Modelling (BIM) proved to be a success in achieving its objectives. Participants gained a solid understanding of the fundamentals of BIM, its applications, and the potential benefits it offers to the construction industry. Session ended at 12.15 pm and two of our students, Asma Hafeem and Muhammed Rafi , had given feedback note for the session. The vote of thanks was

delivered by Asst. Prof. Rajeena K K and the program ended at 12.35 pm. Almost all the final year students and a few staff of the department had joined the session.

***NB: Attached the following documents:**

- 1. Poster**
- 2. Screenshots of the event.**
- 3. Attendance sheet**

HOD

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C.H. MOHAMMED KOYA
KMEA Engineering College
(Approved by AICTE & APJ Abdul Kalam Technological University)



**INSTITUTION'S
INNOVATION
COUNCIL**

DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH TEP CELL

Technical Talk on "Introduction to Building Information Modelling"

Date: November 2, 2023
Time: 11.00 am- 12.35 pm
Venue: Seminar Hall- D block

Resource Person:
Er. Syed Nazif
Managing Director
**ACE India Training &
Services PVT LTD**





INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|---|
| Name of the Department | Department of Electrical & Electronics Engineering |
| Name of the Head of the Department | Dr. Reena Sebastian |

Type of Activity:

ONE DAY WORKSHOP-outreach program

Title of Activity :

" Explore the world of AI make yourself for innovative ideas and startups

Objective :

Add rows as required

The objective of the workshop was to provide school students with a foundational understanding of AI, stimulate their creativity, and encourage them to consider how AI can be utilized in the development of innovative ideas and potential startup ventures.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- Students will gain a foundational knowledge of AI concepts, including an understanding of how AI is applied across various industries.
 - Participants will be able to identify and explain basic AI technologies and their potential uses in real-world scenarios.
 - The workshop will inspire students to think creatively about how AI can be used to solve problems and address societal needs.
 - Students will develop innovative ideas that leverage AI, demonstrating their ability to think critically and creatively.
-

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|-------------------|--------------|-----------------|---|
| 21/06/2024 | 9:30pm to 4:30 pm | Talk session | Conference hall | |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|--------------------|---|--------------|-------------------|
| Mr. Binno M Joseph | Management consultant & Executive coach | Bengaluru | AI |

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|------|---------|---------|-------------------------------------|--------------------------------------|------------------------------|
| | | | | | |
| NA | | | | | ----- |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|--------------------------|
| Name | Neenu B | Nimmy Charles |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | EEE | EEE |
| Cell number | 9567479101 | 9567479101 |
| Email | nub.ee@kmeacollege.ac.in | ncs.ee@kmeacollege.ac.in |
| Signature | | |

Report of the Event: (Minimum 500 Words)

Throughout the workshop, several interactive activities and group discussions were conducted to engage the students. These activities were designed to enhance their understanding of AI and encourage collaboration and critical thinking.

The workshop concluded with a feedback session, where students shared their experiences and what they learned. Many expressed their excitement about the potential of AI and their newfound interest in exploring AI further. The event was well-received by both students and facilitators, with many students expressing a desire to participate in similar workshops in the future.

The event successfully achieved its goal of inspiring young minds to explore the world of AI and think creatively about how they can contribute to future innovations. The organizers hope that this workshop will be a stepping stone for these students to pursue their interests in AI and entrepreneurship.

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

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C.H. MOHAMMED KOYA
KMEA ENGINEERING COLLEGE
APPROVED BY AICTE AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES



| | |
|---|---|
| Name of the Department | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Name of the Head of the Department | Dr. SHAHIN M ABDULLA |

Type of Activity:

WORKSHOP

Title of Activity:

"VLSI design using open source tools"

Add rows as required

Objective:

To familiarize eighth semester students on the VLSI design using open source tools with projects.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

| |
|--|
| College Level, Sixth Semester ECE Students |
|--|

Add rows as required

Project Impact -Expected outcome - academic / social / commercial

| |
|--|
| Students became aware of the VLSI designing. |
|--|

Add rows as required

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|-----------------|----------|------------------|---|
| 30/04/2024 | 10 am – 4.30 pm | Workshop | Systems Lab, ECE | Desktop Computers |

Add rows as required

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|--------------|-----------------------|--|-------------------------------------|
| Dr. Arun A V | Asst. Professor, MITS | Dept. of ECE, KMEA Engineering College | VLSI design using open source tools |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organisation | External Sponsorships | Assistance requested from Council (R) |
|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | nil | | | |
| Stationery, printing, | na | | | |

| | | | | |
|---|-----|--|--|--|
| Travel, Stay and DA | na | | | |
| Other (please write each heading in each row) | na | | | |
| Total | nil | | | |

Add rows as required.
Max assistance 3 Lakhs

Details of Coordinators

| | Coordinator |
|-------------------|---|
| Name | AMRUTHA P R |
| Exact designation | Assistant Professor |
| Department | Electronics & Communication Engineering |
| Cell number | 9562892155 |
| Email | apr.ec@kmeacollege.ac.in |
| Signature | |

Report of the Event: (Minimum 500 Words)

The Workshop was conducted at 10 am to 4.30 pm on 30/04/24 by the Electronics & Communication Engineering Department. The session was coordinated and conducted by Ms. AMRUTHA P R (Assistant Professor) of Electronics & Communication Engineering Department. The eighth semester students of EC department were the audience. 34 students actively participated in the session. The resource person gave clear insight into the fundamentals of VLSI design using open source tools.

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The poster features a dark blue background with a large circular inset on the right showing a glowing blue circuit board. At the top left, there is a logo of a stylized chip with the text "ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT". The main title "WORKSHOP VLSI DESIGN USING OPEN SOURCE TOOLS" is prominently displayed in white. Below the title, the date "Tuesday, 30 April 2024" is shown with a calendar icon. The speaker's name and title, "Speaker :Dr. ARUN A V Assistant Professor, MITS", are listed. At the bottom, logos for "KMEA IEEE STUDENT BRANCH" and "INSTITUTION'S INNOVATION DOUNCE" are visible.

ELECTRONICS & COMMUNICATION
ENGINEERING DEPARTMENT

WORKSHOP
VLSI DESIGN USING OPEN
SOURCE TOOLS

Tuesday,
30 April 2024

Speaker :Dr. ARUN A V
Assistant Professor, MITS

KMEA
IEEE STUDENT BRANCH

INSTITUTION'S
INNOVATION
DOUNCE





INTERNAL QUALITY ASSURANCE CELL

SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL ACTIVITIES

| | |
|---|----------------------------------|
| Name of the Department | COMPUTER SCIENCE AND ENGINEERING |
| Name of the Head of the Department | Dr. BENAZIR K K |

Type of Activity:

TECHNICAL TALK

Title of Activity:

NETWORK PROGRAMMING AND INNOVATION MASTERY- VODAFONE CERTIFIED (VOIS)

Objectives:

1. Understand threat landscape: Familiarize participants with the current cyber threat landscape, including types of attacks, vulnerabilities, and risks.
2. Cybersecurity fundamentals: Cover essential cybersecurity concepts, such as network security, cryptography, and incident response.
3. Security controls and measures: Discuss various security controls, including firewalls, access control, and encryption, and their implementation.
4. Risk assessment and management: Teach participants how to identify, assess, and mitigate cyber risks.
5. Cybersecurity best practices: Share industry-recognized best practices for cybersecurity, including security frameworks and standards.
6. Networking and collaboration: Facilitate networking among participants and encourage collaboration to address cybersecurity challenges.
7. Staying updated with industry trends: Update participants on the latest cybersecurity trends, technologies, and innovations.

8. Apply cybersecurity knowledge: Enable participants to apply their knowledge to real-world scenarios, ensuring they can protect themselves and their organizations from cyber threats.

Level of activity (College/Regional / National / International) and target audience

COLLEGE LEVEL

Students

Expected outcome - academic / social / commercial

ACADEMIC & COMMERCIAL

Program details:

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|------------|-------|--|--------|---|
| 26-07-2024 | 10 am | Technical Talk on Network Programming and Cyber Security | Online | Labs and Mobile phones |

Resource Person Details:

| Name | Designation | Organization | Area of Expertise |
|------|-------------|--------------|-------------------|
| | | | |

Profile of collaborating/participating Industry/s or professional body or other organization/s, if any.

| Name | Addresses | Website | Contact person, designation, email | Roles in collaborating/ Participating | Financial commitment in Rs. |
|------|-----------|---------|------------------------------------|---------------------------------------|-----------------------------|
| | | | | | Nil |
| | | | | | |

| | | |
|-------------------------|--|--|
| Budget Estimates | | |
|-------------------------|--|--|

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other (please write each heading in each row) | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--|--|
| Name | Mrs. Abeera V.P. | Mrs. Vidya Hari |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | Computer Science & Engg., KMEA | Computer Science & Engg., KMEA |
| Cell number | 9656587703 | 9447625552 |
| Email | avp.cs@kmeacollege.ac.in | vdh.it@kmeacollege.ac.in |
| Signature | | |

Report of the Event:

The VOIS (Vodafone Idea Foundation) certification program's technical session on Cybersecurity aimed to equip participants with a comprehensive understanding of the subject. The session began by familiarizing participants with the current cyber threat landscape in networks, covering essential concepts, and discussing various security controls and measures. Participants learned about risk assessment and management, industry-recognized best practices, and received hands-on training with cybersecurity tools and simulations. The session also prepared participants for VOIS certification exams and other industry-recognized certifications. Additionally, it provided a platform for networking and collaboration, ensuring participants stayed updated with the latest industry trends and innovations. By the end of the session, participants were able to apply their knowledge to real-world scenarios, enabling them to protect themselves and their organizations from cyber threats. Overall, the technical session successfully achieved its objectives, empowering participants with the knowledge and skills necessary to excel in the field of cybersecurity.

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C.H. MOHAMMED KOYA
KMEA Engineering College
 Approved By AICTE
 Accredited By NAAC & NBA (ME, CE, EEE, EC, CSE)



NETWORK PROGRAMMING AND INNOVATION MASTERY (NPIM) - VODAFONE CERTIFIED

Conducted By-
 Edunet Foundation,
 Gurgaon



26TH JULY 2024
WEDNESDAY



ATAL RANKING
64
 MoE, Govt. of India



N-S-D-C
 National
 Skill Development
 Corporation



**INSTITUTION'S
 INNOVATION
 COUNCIL**
 Ministry of Education, Government of India

10:27

80%

_VOIS technical session on ...
23:38 193 attendees



Notifications (3)



Maria Joy ...



Ilakkiya M



Megha Goja



Maria Joy





Jul 26, 2024 10:23:05
10.0528676N 76.3852519E



INTERNAL QUALITY ASSURANCE CELL
SEMINAR, SYMPOSIUM, FDP, WORKSHOP AND OTHER TECHNICAL
ACTIVITIES

| | |
|---|---|
| Name of the Department | Department of Electrical & Electronics Engineering |
| Name of the Head of the Department | Dr. Reena Sebastian |

Type of Activity:

Webinar

Title of Activity :

" Designing the future: Innovative power electronics in Renewable Energy"

Add rows as required

Objective :

The webinar titled "Designing the Future: Innovative Power Electronics in Renewable Energy" was conducted to explore cutting-edge advancements in power electronics and their application in renewable energy systems. The event aimed to provide participants with insights into the latest technologies and innovations driving the future of sustainable energy solutions.

Add rows as required

Level of activity (College/Regional / National / International) and target audience

College level

Expected outcome - academic / social / commercial

- Present the latest advancements in power electronics relevant to renewable energy.
 - Discuss the role of power electronics in enhancing the efficiency and effectiveness of renewable energy systems.
 - Share case studies and practical applications demonstrating the impact of innovative power electronics.
- Facilitate knowledge exchange among professionals, researchers, and industry experts in the field of renewable energy.
-

Programme details

| Date | Time | Activity | Venue | Infrastructural requirements and availability |
|-----------|-------------------|--------------|--------|---|
| 1/08/2024 | 7:30pm to 8:30 pm | Quiz session | ONLINE | |

Resource Person Details :

| Name | Designation | Organization | Area of Expertise |
|-----------------|-----------------|--|-------------------|
| Mohammed Jaseem | Asst. Professor | Department of EEE, Indira Gandhi college | Power electronics |

Profile of collaborating/participating Industry/s or professional body or other organisation/s, if any.

| Name | Address | Website | Contact person , designation, email | Roles in collaborating/participating | Financial commitment# in Rs. |
|------|---------|---------|-------------------------------------|--------------------------------------|------------------------------|
| | | | | | |
| NA | | | | | ----- |

| Head of expenditure | Anticipated expenditure | Budget by parent organization | External Sponsorships | Assistance requested from Council (R) |
|---|-------------------------|-------------------------------|-----------------------|---------------------------------------|
| Remuneration to speakers | | | -- | |
| Stationery, printing, | | | | |
| Travel, Stay and DA | | | | |
| Other(please write each heading in each row | | | | |
| Total | | | | |

Details of Coordinators

| | Coordinator 1 | Coordinator 2 |
|-------------------|--------------------------|--------------------------|
| Name | Neenu B | Nimmy Charles |
| Exact designation | Assistant Professor | Assistant Professor |
| Department | EEE | EEE |
| Cell number | 9567479101 | 9567479101 |
| Email | nub.ee@kmeacollege.ac.in | ncs.ee@kmeacollege.ac.in |
| Signature | | |

Report of the Event: (Minimum 500 Words)

The talk session started at 7.30pm with 97 participants on 1th AUG 2024 AS ONLINE . After the welcome speech Ms.Neenu B session started with a discussion on the key aspects of the event. The webinar "Designing the Future: Innovative Power Electronics in Renewable Energy" successfully met its objectives by providing a comprehensive overview of current advancements and future trends in power electronics. The event facilitated meaningful knowledge exchange and highlighted the importance of innovation in driving the future of renewable energy. Based on feedback and observations, the following recommendations are suggested for future webinars:

- Include more interactive elements, such as live polls or breakout sessions, to increase participant engagement.
- Extend the Q&A session to allow more time for in-depth discussions.

***NB: Attach the following documents:**

1. **Registration Form - Sample**
2. **List of participants(attendance sheet with Signature)**
3. **2 Event photo (Covering Resource Person& Screen, Audience) with Date**
4. **Poster/ Brochure**
5. **Certificate - Sample**
6. **Feedback Form - Sample**
7. **Collected feedback (Should keep it in Department and produce whenever instructed)**
8. **2 Minutes Video (Should keep it in Department and produce whenever instructed)**

HOD

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C.H. MOHAMMED KOYA

KMEA ENGINEERING COLLEGE

APPROVED BY AICTE

AFFILIATED TO KTU

INTERNAL QUALITY ASSURANCE CELL



| | |
|------------------------------------|--|
| Name of the club/Department | Electronics and communication department |
| Staff in charge | Mr Binish M.C |

Type of Activity:

Idea Pitching

Title of Activity:

YUKTI 2.0 Innovation Challenge

Objective:

Foster a culture of innovation and entrepreneurship

Level of activity (College/Regional / National / International) and target audience

National

Expected outcome - academic / social / commercial

- Commercial

Program details

| Date | Time | Activity | Venue |
|-------------|-------------|----------------------------|--------------|
| 15/03/24 | 10:00 am | YUKTI Innovation challenge | Google meet |

Resource Person Details:

| Date | Name | Designation | Remuneration |
|----------|-----------------|-------------|--------------|
| 15/03/24 | Mubeena Mirshad | S6 ECE | |
| | Muhammed Arshaq | S6 ECE | |

REPORT

Mubeena Mirshad and Muhammed Arshaq, 3rd year BTech Electronics and Communication students at KMEA Engineering College, have advanced to the final stage of the YUKTI 2.0 Innovation Challenge. This prestigious event, organized by the Ministry of Education's Innovation Cell (MIC), aims to foster innovative solutions and entrepreneurial mindsets among students across the country. The challenge provides a platform for young innovators to showcase their talents and contribute to the nation's progress through cutting-edge ideas and solutions.

Mubeena and Arshaq submitted their innovative project proposal, which was meticulously reviewed by a panel of experts. After passing the initial screening, they were invited to present their project at the Institution's Innovation Council (IIC) regional meet held at Cochin University of Science and Technology (CUSAT). Their presentation stood out among numerous entries, showcasing their technical skills and creative problem-solving abilities.



