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Civil
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Association

CIVIL ENGINEERING DEPARTMENT

HALF YEARLY NEWS LETTER

JANUARY 2023-JULY 2023





ABOUT KCT:

KUMARAGURU COLLEGE OF TECHNOLOGY IS AN AUTONOMOUS, SELF-FINANCING ENGINEERING COLLEGE, AFFILIATED TO ANNA UNIVERSITY. IT WAS STARTED IN 1984, WITH THE MISSION OF PROVIDING ASPIRING STUDENTS OF TECHNICAL EDUCATION, A CHALLENGING LEARNING ENVIRONMENT. OVER THE LAST THREE DECADES, SEVERAL NEW PROGRAMS HAVE BEEN INTRODUCED AND THE INSTITUTION HAS EMERGED AS A TRUSTED DESTINATION FOR QUALITY TECHNICAL EDUCATION AND AS A HUB FOR RESEARCH AND INNOVATION. THE COLLEGE IS ISO CERTIFIED AND IS ACCREDITED BY NAAC. SEVERAL PROGRAMS OFFERED BY KCT ARE ACCREDITED BY NBA. IN ADDITION TO A HOST OF ENGINEERING AND ALLIED ENGINEERING COURSES, KCT HAS ALSO GAINED RECOGNITION FOR ITS UNIQUELY TAILORED MANAGEMENT EDUCATION PROGRAMS.

ABOUT CIVIL ENGINEERING DEPARTMENT:

THE DEPARTMENT STARTED FUNCTIONING FROM THE VERY INCEPTION OF THE COLLEGE IN THE YEAR 1984. THE DEPARTMENT IS HAVING EXPERIENCED AND WELL QUALIFIED STAFF AND ALSO HAS WELL EQUIPPED LAB FACILITIES. IN ADDITION TO B.E DEGREE PROGRAMME, THREE POSTGRADUATE PROGRAMMES ARE BEING OFFERED. THE DEPARTMENT IS ALSO ACTIVELY ENGAGED IN R&D, TESTING AND CONSULTANCY ACTIVITIES. A WELL-QUALIFIED AND DEDICATED TEAM OF STAFF MEMBERS PROVIDES THE NECESSARY STRENGTH TO THE DEPARTMENT. STRUCTURAL TECHNOLOGY CENTRE (STC) IS AN ADVANCED LABORATORY ESTABLISHED IN THE DEPARTMENT IN THE YEAR 2003 TO CARRY OUT R&D AND CONSULTANCY WORKS IN STRUCTURAL DESIGN AND TESTING



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PROGRAMMES ATTENDED:

- DR.K.RAMADEVI ATTENDED A NATIONAL LEVEL EVENT ON "NEW GENERATION CONSTRUCTION MATERIALS & TECHNOLOGIES" ORGANIZED BY SIR.M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU FROM 05/01/2023 TO 06/01/2023.
- DR.B.NITHYALAKSHMI AND DR.A.GEETHAKARTHI ATTENDED A NATIONAL EVENT ON THE TOPIC "STTP(SPLO4) ON ECOLOGY AND ENVIRONMENT" ORGANIZED BY NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH, KOLKATA,INDIA FROM 09/01/2023 TO 20/01/2023.
- DR.V.GAYATHRI ATTENDED A NATIONAL EVENT ON THE TOPIC "GEOTECHNICAL INVESTIGATION FOR STRUCTURAL ENGINEERING" HELD AT IIT GANDHINAGAR, PALAJ, GUJARAT, INDIA FROM 18/01/2023 TO 21/01/2023.
- DR.K. RAMADEVI ATTENDED A ONE DAY NATIONAL WORKSHOP ON VALUE ADDED CONCRETE AND APPLICATION WHICH WAS CONDUCTED ON 04/02/2023.
- DR.K.RAMADEVI WAS A CHAIRPERSON FOR THE INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN INDUSTRY 4.0 AND SUSTAINABLE CONCEPTS AT SCHOOL OF ENGINEERING, AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN ON 24/02/2023 TO 25/02/2023.
- DR. B. NITHYALAKSHMI WAS A EXTERNAL EXAMINER IN PRACTICAL TRAINING- ASSESSMENT & EVALUATION AT COIMBATORE INSTITUTE OF TECHNOLOGY ON 27/02/ 2023.
- MS.U.SINDHU VAARDINI GAVE GUEST LECTURE ON AWARENESS PROGRAMME ON "IMPACT OF PLASTICS NIRONMENT" IN SRI RAMAKRISHNA POLYTECHNIC COLLEGE ON 18/03/2023.
- DR.R.MANJU AS A BOS MEMBER ATTENDED BOS MEETING IN KARPAGAM ACADEMY OF HIGHER EDUCATION,COIMBATORE ON 21/03/2023.



- MRS.S.RAJALAKSHMI AND DR.A.GANDHIMATHI PARTICIPATED IN WORKSHOP & NATIONAL SYMPOSIUM ON ANNUALSUMMERWORKSHOP FROM 28/03/2023 TO 30/03/2023
- DR.K.RAMADEVI AS DC MEMBER DOCTORAL COMMITTEE MEETING KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, COIMBATORE ON 31/03/2023.
- DR.K.RAMADEVI ATTENDED A ONE DAY NATIONAL WORKSHOP ON VALUE ADDED CONCRETE AND APPLICATION WHICH WAS CONDUCTED ON 4/04/2023 IN AN ONLINE MODE .
- DR.V.GAYATHRI AND DR. R. MANJU ATTENDE THE NATIONAL WORKSHOP ON INDIA CONSTRUCTION MEET (ICM)-23 WHICH WAS CONDUCTED BY CONSTRUCTION INDUSTRY DEVELOPMENT COUNCIL (CIDC). ON 10/04/2023 TO 12/04/2023 .
- DR.A.GEETHAKARTHI PARTICIPATED IN THE NATIONAL WORKSHOP ON WORLD'S LARGEST CLIMATE CLOCK ASSEMBLY , AN AICTE ORGANIZED EVENT .
- DR.A.GEETHAKARTHI PARTICIPATED IN SEMINAR ON G20 EDUCATIONAL MEET, IITM RESEARCHPARK AND CEFIPRA-FUNDED INDO-FRENCH RESEARCH SEMINARONINNOVATION IN MANUFACTURING AND MACHINING OF AEROSPACE MATERIALS.
- MS.S. RAJALAKSHMI AP-II ATTENDED THE NATIONAL LEVEL SUMMER FACULTY RESEARCH INTERNSHIP AT IIT DELHI FOR THE PERIOD OF 8 WEEK FROM 16/05/2023 TO 14/07/2023 FOR 6 HRS. PER DAY ON CAMPUS.
- MR.P.A. PRABAKARAN & MR. SATHEESH KUMAR KRP HAS DELIVERED A NATIONAL LEVELGUEST LECTURE IN THE TROPIC OF OPERATIONAL ASSESSMENT, CONTRACT MANAGEMENT AND PROJECT MANAGEMENT IN HIGHWAY PROJECTS WHICH IS CONDUCTED BY AARVEE ASSOCIATE ON 24/05/2023 AND 25/05/2023



- MR.A.VISHNU AND MR.S.KARTHIKEYAN ATTENDED THE NATIONAL LEVEL ONE DAY WORKSHOP ON 3D PRINTING TECHNOLOGY WHICH IS CONDUCTED BY THE ANNA UNIVERSITY, CHENNAI FOR THE DURATION OF 22/05/2023, FOR 8 HRS. AT ANNA UNIVERSITY, CAMPUS.
- DR.K.RAMADEVI ATTENDED THE NATIONAL LEVEL INDUSTRIAL TRAINING FOR TWO WEEKS OF ONLINE INTERNSHIP / INDUSTRIAL TRAINING ON DESIGN & ANALYSIS OF MECH.SYS AND CIVIL STRUCT. USING ABAQUS FROM 11/05/2023 TO 25/05/2023 WHICH IS CONDUCTED BY THE NATIONAL SMALL INDUSTRIES CORPORATION LTD. TECHNICAL SERVICES CENTRE, HYDERABAD, TELENGANA
- DR.G.L.SATHYAMOORTHY ATTENDED AS AN ACADEMIC AUDIT EXTERNAL EXPERT FOR ACADEMIC AUDIT FOR DEPARTMENT OF CIVIL ENGINEERING, AVINASHILAINAGM DEEMED UNIVERSITY, COIMBATORE ON 2/06/2023
- DR. V GAYATHRI PARTICIPATED AS KEYNOTE SPEAKER AND CHAIRPERSON IN NATIONAL CONFERENCE ON SUSTAINABLE PRACTICES IN GEOTECHNICAL ENGINEERING WHICH IS CONDUCTED BY THE DEPARTMENT OF CE, GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE ON 11/06/2023
- DR.G.L.SATHYAMOORTHY ATTENDED THE NATIONAL LEVEL ISTE APPROVED ONE WEEK ONLINE SHORT TERM TRAINING PROGRAMME (STTP) ON "SCIENTIFIC ADAPTATIONS, GRANTS AND INTELLECTUAL PROPERTY RIGHTS" ORGANIZED BY ISTE-NEW DELHI AND ADITHYA INSTITUTE OF TECHNOLOGY, COIMBATORE - 641107 FROM 12/06/2023 TO 16/06/2023.
- DR.G.L.SATHYAMOORTHY ATTENDED AS AN KEYNOTE SPEAKER FOR NATIONAL AND INTERNATIONAL KEY NOTE LECTURE ON THE TOPIC "RESEARCH TOOLS" IN THE ISTE NEW DELHI SPONSORED STTP ISTE-NEW DELHI AND ADITHYA INSTITUTE OF TECHNOLOGY, COIMBATORE - 641107, ON 16/06/2023 .
- DR.G.L.SATHYAMOORTHY ATTENDED AS AN JURY MEMBER FOR NATIONAL LEVEL ASCE INDIA STUDENT SYMPOSIUM 2023 WHICH IS HELD ON KPRIET, COIMBATORE ON 23/06/2023



- DR. B. NITHYALAKSHMI ATTENDED THE NATIONAL LEVEL ONLINE FDP NATIONAL AICTE UHV ORGANIZED BY AICTE, NEW DELHI FROM 12/6/2023 TO 16/06/2023
- MR.A. ASWIN BHARATH ATTENDED THE NATIONAL LEVEL ONLINE FDP NATIONAL AICTE UHV ORGANIZED BY AICTE, NEW DELHI FROM 12/7/2023 TO 16/06/2024
- ON 2023 MAY DR.R.MANJU ATTENDED THE NATIONAL LEVEL INDUSTRIAL TRAINING FOR TWO WEEKS OF ONLINE INTERNSHIP / INDUSTRIAL TRAINING ON DESIGN & ANALYSIS OF MECH.SYSAND CIVIL STRUCT.USING ABAQUS WHICH IS CONDUCTED BY THE NATIONAL SMALL INDUSTRIES CORPORATION LTD. TECHNICAL SEVICES CENTRE, HYDERABAD, TELENGANA FROM 11/5/2023 TO 25/05/2023
- ON 2023 JUNE DR.V.SELVAN ATTENDED THE 5 DAYS NATIONAL LEVEL ONLINE WORKSHOP ON FORECASTING TECHNIQUES USING PYTHON ,R AND MATLAB WHICH IS CONDUCTED BY NIT,TRICHY FROM 12/6/2023 TO 16/06/2023
- MR. A. ASWIN BHARATH ATTENDED THE NATIONAL LEVEL WORKSHOP IN INNOVATION AND INTELLECTUAL PROPERTY RIGHTS FROM WHICH IS ORGANIZED BY "INNOVATIVE TECHNOLOGY ENABLING CENTRE(INTEC)" CSIR-IMMT, BHUBANESWAR 12/06/23 TO 17/06/23

PROGRAMMES ORGANIZED:

- DR.V.SELVAN AND DR.K.RAMADEVI , ORGANIZED A SEMINAR ON PROFESSIONAL ORGANIZATION MEMBERSHIPS FOR CIVIL ENGINEERS AT KCT ON 24/01/2023.
- DR.V.SELVAN CONDUCTED A WORKSHOP ON TRAINING PROGRAM ON BIS FOUNDATIONDAY AT KCT ON 25/01/2023.
- DR.A.GANDHIMATHI, DR.K.RAMADEVI, MS.S.RAJALAKSHMI ORGANIZED A GUEST LECTURE WHICH WAS GIVEN BY MR.GNANAVEL MURUGAN, PROJECT MANAGER/ESTIMATOR, MSM GROUP, AUSTRALIA AND IT WAS ATTENDED BY NEARLY 60 STUDENTS ON 16/02/ 2023 AT KCT



- DR.P.ESWARAMOORTHY,DR.A.VENNILA ORGANISED A GUEST LECTURE ON WORLD CONSUMER RIGHTS DAY ON 17/03/2023.
- DR.P.ESWARAMOORTHY, DR.A.GANDHIMATHI, DR.K.RAMADEVI, DR.G.L.SATHYAMOORTHY & MS.S.RAJALAKSHMI ORGANISED PROJECT EXPO ON NATION WIDE SEARCH FOR BUDDING MINDS ON 24/03/2023 WITHIN KCT
- DR.P.ESWARAMOORTHY, DR.A.VENNILA ORGANISED GUEST LECTURE OF SHRI.GOPINATH VAKKADA,SENIOR DIRECTOR, SCIENTISTF ,BIS COIMBATORE FROM BUREAU OF INDIAN STANDARDS (BIS) - STANDARDS CLUB ON 17/03/2023.
- DR. B. NITHYALAKSHMI ,MS. U. SINDHU VAARDINI AND MR. A. ASWIN BHARATH ORGANISED A GUEST LECTURE WHICH WAS GIVEN BY LATEST TECHNOLOGIES AND ADVANCEMENTS IN TRANSPORTATION SYSTEMS BY MR.CYRIL SATHEESH WHICH WAS ATTENDED BY NEARLY 120 STUDENTS ON 28/04/2023 AT KCT.
- DR.GL.SATHYAMOORTHY CONDUCTED THE GUEST LECTURE ON TOPIC OF HIGHWAY ALLIGNMENT CHALLENGES BY THE ER. MANUNEETHI, SUPERINTENDING ENGINEER(SE) NATIONAL HIGHWAYS,COIMBATORE ON 29/05/23

DA ACTIVITY:

- BUILD YOUR MODEL IS ORGANIZED ON 28/02/23 AT C124 ITS A FUN EVENT ORGANIZED WITH A AIM TO IMPROVE THE CREATIVE AND QUALITY THINKING OF STUDENTS.TOGIVE THEM A IDEA ON HOW A REAL HOUSE MODEL WORKS.THE EVENT GAVE A WEEK TIME TO STUDENTS TO FINISH OF THEIR MODEL.MANY FABULUOS AND NEW DESIGNS WERE BROUGHT BY STUDENTSWHICH DELIGHTED THE ORGANIZERS ANDJURY GREATLY.
- INTERNATINAL WOMEN'S DAY IS CELEBRATED ANNUALLY ON MARCH 8TH TO ACKNOWLEDGE THE SOCIAL, ECONOMIC, CULTURAL, AND POLITICAL ACHIEVEMENTS OF WOMEN ANDTO CALL FOR GENDER EQUALITY WORLDWIDE. THE THEME FOR EACH YEAR'S IWD FOCUSES ON A SPECIFIC ISSUE AFFECTING WOMEN, SUCH AS GENDER-BASED VIOLENCE, EDUCATION, AND WOMEN'S RIGHTS. THE DAY SERVES AS AN OPPORTUNITY TO REFLECT ON PROGRESS MADE TOWARDS GENDER EQUALITY AND TO HIGHLIGHT THE CHALLENGES THAT STILL NEED TO BE ADDRESSED. .



- DATA ANALYSIS ON GIS IS A PEER LEARNING SESSION SCHEDULED FOR 4 DAYS FROM FEB 5 TO FEB 8. OUR SPEAKER RAJKUMAR.S FROM 3RD YEAR HAS BEEN TRAINED IN GIS.THESE SESSION WAS CONDUCTED HOPING STUDENTS WOULD BE AWARE OF THE IMPORTANCE OF GIS IN CIVIL ENGINEERING FEILD.HANDS ON TRAINING WAS GIVEN TO STUDENTS MAKING A EASIER WAY TO LEARN.
- PLACEMENT GUIDANCE SESSION IS CONDUCTED AIM OF THIS SERIES IS TO CREATE A PLATFORM TO INTERACT WITH ACADEMIC AND INDUSTRIAL PROFESSIONALS AND ALSO WITH SENIORS. THIS SERIES HELPS TO ENLIGHTEN AND EDUCATE STUDENTS WHO ARE APPEARING FOR INTERVIEWS THROUGH A INTERACTIVE SESSION BY SHARING THEIR EXPERIENCE AND CHALLENGES FACED DURING INTERVIEWS. THE OUTCOME OF THIS SESSION IS CLEAR AND CONFIDENT MIND TO APPROACH THE INTERVIEW WHICH IS HELD ON 28TH MARCH.
- AWARENESS ON HIGHER STUDIES HAVE YOU BEEN WANTING TO ASK, HOW TO STUDY ABROAD?AND WHERE DO YOU EVEN START? THEN CEA IS HERE TO ASPIRE AND GUIDE YOU, AND SHARE INFORMATION REGARDING STUDYING ABROAD, TO ACHIEVE YOUR ACADEMIC GOALS THROUGH A JUNIOR INTERACTION SESSION WHERE THE IDEA OF WHOLE PROCESS WHICH HELD ON 30TH MARCH.
- PEER LEARNING SESSION ON REVIT & SKETCHUP TEACHING PEERS IS ONE OF THE BEST WAYS TO DEVELOP MASTERY. THEN CEA IS HERE TO ASPIRE AND GUIDE YOU, AND SHARE INFORMATION REGARDING REVIT AND SKETCH UP SOFTWARE TO ACHIEVE YOUR ACADEMIC GOALS. DO JOIN AND GET A SOLUTION FOR YOUR FUTURE CAREER. DEFINE YOURSELF BY SEEKING WHAT YOU NEED WHICH IS CONECTED FOR MORE THAN ONE WEEK FROM 10TH APRIL TO 18TH APRIL.



PAPER PUBLISHED:

- DR.J.PREMALATHA COLLABORATED WITH DR.J.SRINIVASAN, ASSOCIATE PROFESSOR IN DR.MAHALINGAM COLLEGE OF ENGINEERING, POLLACHI AND PUBLISHED PAPERS ON "PREDICTION OF COMPRESSIVE STRENGTH OF CONCRETE WITH RICE HUSK ASH AS PARTIAL REPLACEMENT FOR CEMENT USING ANN MODEL" AND "STRENGTH AND DURABILITY PROPERTIES OF CONCRETE WITH PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH E- WASTE AGGREGATES."
- MR.A.ASWIN BHARATH ON , "A LITERATURE REVIEW ON DEVELOPING CAUSES AND MITIGATION STRATEGIES OF DELAY IN CONSTRUCTION PROJECTS: GAPS BETWEEN OWNERS AND CONTRACTORS IN SUCCESSFUL AND UNSUCCESSFUL PROJECTS, INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY (IJARSCT) AND , "A LITERATURE REVIEW ON DEVELOPING A PROJECT PERFORMANCE MEASUREMENT STRATEGY FOR CONSTRUCTION PROJECT NATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION TECHNOLOGY.
- DR.R.MANJU, "DEVELOPMENT OF BACTERIAL CONSORTIA FROM TRADITIONAL LIME MORTAR FOR THE PREPARATION OF SUSTAINABLE AND STRENGTH- ENHANCED CONCRETE: A SOLUTION FOR HEAVY METAL TOXIC CONCRETE.
- DR.V. SELVAN ON , "INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY (IJARSCT)
- MR.A.ASWIN BHARATH AND MR.A.VISHNU SUBMITTED EACH ONE PAPER ON MARCH 2023.
- DR.K.RAMADEVI PUBLISHED ON TOPIC RESEARCH METHODOLOGY PARADIGMS- IPR AND PATENT.



- RAMSUNDRAM PUBLISHED ON CHAPTER TEMPORAL PREDICTION OF GROUNDWATER LEVELS: A GAP IN GENERALIZATION IN IMPACTS OF URBANIZATION ON HYDROLOGICAL SYSTEMS IN INDIA BOOK.
- DR. RAMSUNDRAM N SUBMITTED ONE PAPER FOR JOURNAL PUBLICATION IN THE NAME OF WEB OF SCIENCE.
- DR.V. SELVAN PUBLISHED THE JOURNAL IN THE NAME OF "V. SELVAN "CASE STUDY OF MULTISTORIED COMMERCIAL BUILDING" "CASE REPORT, MEDWIN PUBLISHERS OPEN ACCESS JOURNAL 8(2), DOI: 10.23880/NNOA-1600023" MEDWIN PUBLISHERS, OPEN ACCESS JOURNAL.
- MR. A. ASWIN BHARATH PUBLISHED THE INTERNATIONAL JOURNAL IN THE NAME OF A LITERATURE REVIEW ON DEVELOPING A FRAMEWORK FOR IMPROVING QUALITY OF SUPPLY CHAIN IN CONSTRUCTION INDUSTRY IN THE JOURNAL OF INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY.
- DR.R.MANJU IN COLLARATION WITH T SUBITHA, K KUMARESAN PUBLISHED AN INTERNATIONAL JOURNAL ON "DEVELOPMENT OF BACTERIAL CONSORTIA FROM TRADITIONAL LIME MORTAR FOR THE PREPARATION OF SUSTAINABLE AND STRENGTH- ENHANCED CONCRETE", A SOLUTION FOR HEAVY METAL TOXIC CONCRETE, APA, 2(6), 2023 AND INDEXED IN SCOPUS AND THE JOURNAL WAS ALSO NOTIFIED ON UGC WEBSITE DURING THE YEAR.



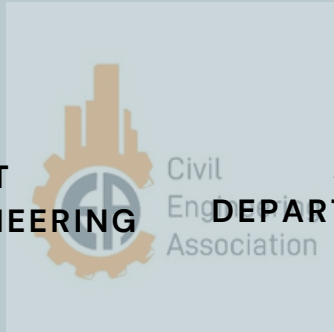
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