



KALASALINGAM

ACADEMY OF RESEARCH & EDUCATION

(DEEMED TO BE UNIVERSITY)



Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade

Anand Nagar, Krishnankoil - 626126. Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

PROGRAM SCHEDULE

DAY 1 – THURSDAY, 5TH APRIL 2018

| | |
|--|--|
| Venue: 1 (Dr. S. Arumugam Seminar Hall) Time: 1.30PM TO 5PM | |
| MFG-AB-ID002 | AN OVERVIEW OF CORROSION IN AL- MG BASED ALLOYS IN SHIP HULL |
| MFG-AB-ID003 | OPTIMIZATION OF TENSILE STRENGTH AND HARDNESS ON FRICTION STIR WELDING OF AA6061-AA7075 USING HYBRID GRA-PCA |
| MFG-AB-ID005 | OPTIMIZATION OF PROCESS PARAMETERS DURING FRICTION STIR WELDING OF AA6061 USING HYBRID GRA-PCA |
| MFG-AB-ID006 | MODELLING AND SIMULATION OF A BOLTED JOINT TEST RIG UNDER DYNAMIC CONDITIONS |
| MFG-AB-ID007 | INVESTIGATIONS ON SURFACE ROUGHNESS DURING END MILLING OF AA6061-SIC |

Venue: 1 (Dr. S. Arumugam Seminar Hall)

Time: 1.30PM TO 5PM

| | |
|--------------|--|
| | METAL MATRIX COMPOSITE |
| MFG-AB-ID010 | MACHINING STUDIES OF AL7075 IN CNC TURNING USING GREY RELATIONAL ANALYSIS |
| MFG-AB-ID012 | REDUCTION OF EXPOSURE TO ACID FUMES AND HAZARDOUS NATURE OF SLUDGE IN ELECTROPLATING PROCESS |
| MFG-AB-ID013 | FABRICATION AND TESTING OF FIREWORKS WASTE DISPOSAL CHAMBER |
| MFG-AB-ID014 | PREPARATION, CHARACTERIZATION AND PERFORMANCE EVALUATION OF MAGNETO-RHEOLOGICAL (MR) FLUID FOR BRAKE APPLICATION |
| MFG-AB-ID016 | VIBRATION ANALYSIS OF MULTI DEGREE OF FREEDOM SELF-EXCITED SYSTEMS |
| MFG-AB-ID017 | WELDING FIXTURE LAYOUT OPTIMIZATION OF THIN PLATE USING DOE |
| MFG-AB-ID018 | FIREFLY ALGORITHM FOR SOLVING JOB SHOP SCHEDULING PROBLEM |
| MFG-AB-ID020 | DESIGN AND FABRICATION OF OUTFEEDING SYSTEM IN COLD DRAWING MACHINE TO REDUCE NOISE AND VIBRATION |

DAY 1 – THURSDAY, 5TH APRIL 2018

| | |
|--|---|
| Venue: 2 (G.D Naidu Block, Room No- 5102) | |
| Time: 1.30PM TO 5PM | |
| MFG-AB-ID023 | MULTI OBJECTIVE OPTIMIZATION OF MILLING PARAMETERS IN ALUMINIUM 6061 & FLY ASH COMPOSITE USING GREY RELATIONAL ANALYSIS |
| MFG-AB-ID024 | OPTIMIZATION OF MACHINING PARAMETERS FOR REDUCING THE RISK OF CHIP IGNITION IN MAGNESIUM ALLOYS-A REVIEW |
| MFG-AB-ID027 | EVALUATION OF GREEN SUPPLY CHAIN MANAGEMENT PRACTICES IN SMALL SCALE FORGING INDUSTRIES |
| MFG-AB-ID028 | MATHEMATICAL MODELLING AND OPTIMIZATION OF SQUEEZE CASTING PROCESS PARAMETERS USING TAGUCHI AND RESPONSE SURFACE METHODOLOGY |
| MFG-AB-ID032 | AN ARTISTIC APPROACH TO THE SELECTION OF PROCESS PARAMETERS VARIABLES FOR THE FDM PROCESS |
| MFG-AB-ID038 | OPTIMIZATION OF ABRASIVE JET MACHINE AND STIR CAST AA7075/BASALT PARTICULATE COMPOSITE PARAMETERS USING TAGUCHI AND GREY RELATIONAL |

Venue: 2 (G.D Naidu Block, Room No- 5102)

Time: 1.30PM TO 5PM

| | |
|--------------|---|
| | ANALYSIS |
| MFG-AB-ID044 | SAFETY IMPROVEMENT IN CYLINDER HEAD LIFTING AND CYCLE TIME REDUCTION IN PISTON SUBASSEMBLY AT ZD-30 ENGINE ASSEMBLY |
| MFG-AB-ID046 | MILLING CUTTER FLANK WEAR PREDICTION USING PSO OPTIMIZED REGRESSION ENSEMBLES |
| MFG-AB-ID047 | PERFORMANCE IMPROVEMENT OF GRINDING WHEELS BY INCREASING G-RATIO |
| MFG-AB-ID050 | CLUSTERING IMPLEMENTATION IN PRODUCT LIFE CYCLE MANAGEMENT |
| MFG-AB-ID001 | OPTIMIZATION OF CUTTING FORCE AND SURFACE ROUGHNESS DURING HARD TURNING OF AISI 52100 STEEL USING HYBRID GRA-PCA |
| MFG-AB-ID022 | RISK AND OPPORTUNITIES INVOLVED IN EMPLOYEE EMPOWERMENT AT MANUFACTURING INDUSTRY |
| MFG-AB-ID033 | ELECTROLESS NICKEL COATING ON ALUMINA MICRO CERAMIC PARTICLES - A REVIEW |

DAY 1 –THURSDAY, 5TH APRIL 2018

| | |
|---|---|
| Venue: 3 (G.D. NAIDU BLOCK, Room No- 5003) Time: 1.30PM TO 5PM | |
| MFG-AB-ID041 | INVESTIGATION ON EFFECT OF CUTTING PARAMETERS USING TAGUCHI APPROACH FOR AISI 316 STEEL |
| MAT-AB-ID007 | A STUDY ON MACHINABILITY BEHAVIOUR OF AL6061-ZNO(P) METAL MATRIX COMPOSITE THROUGH WIRE – CUT ELECTRO DISCHARGE MACHINING USING MULTI OBJECTIVE OPTIMIZATION ON THE BASIS OF RATIO ANALYSIS (MOORA) |
| MAT-AB-ID011 | ANALYSIS AND MONITORING OF BRIDGE BEARING USED IN BRIDGES |
| MAT-AB-ID012 | EFFECT OF YTTRIUM ON THE MICROSTRUCTURE, MECHANICAL PROPERTIES AND CORROSION BEHAVIOR OF MAGNESIUM |
| MAT-AB-ID015 | FABRICATION AND ANALYSIS OF INDUSTRIAL WORKERS SAFETY HELMET USING NATURAL FIBERS |
| MAT-AB-ID016 | FREE AND IMMOBILIZATION STUDY OF BIOSORPTION OF HEAVY METAL ION USING SHIZOSACCHAROMYCESPOMBE |

Venue: 3 (G.D. NAIDU BLOCK, Room No- 5003)

Time: 1.30PM TO 5PM

| | |
|--------------|--|
| MAT-AB-ID018 | EXPERIMENTATION AND EVALUATION OF COIR REINFORCED IN EPOXY WITH NATURAL ADDITIVES FOR CAR DASHBOARD |
| MAT-AB-ID025 | INVESTIGATION OF MECHANICAL AND INTERFACIAL PROPERTIES OF SANSEVIERIA TRIFASCIATA, BANANA AND GLASS FIBER REINFORCED EPOXY HYBRID COMPOSITES |
| MAT-AB-ID026 | CONVERSION OF INCINERATED BOTTOM ASH INTO ACTIVATED MEDIA FOR PRINTING EFFLUENT TREATMENT |
| MAT-AB-ID028 | MECHANICAL CHARACTERIZATION OF FML |
| MAT-AB-ID030 | CHARACTERIZATION AND NUMERICAL ANALYSIS OF JUTE FIBER AND DAMMAR REINFORCED EPOXY COMPOSITE |
| MAT-AB-ID035 | OPTIMIZATION OF MOULD PROCESS PARAMETERS FOR FIBER REINFORCED POLYMER COMPOSITE USING RSM |
| MAT-AB-ID039 | ROOM TEMPERATURE SYNTHESIS AND CHARACTERIZATION OF CERIUM OXIDE NANOPARTICLES FOR OPTICAL APPLICATIONS |

DAY 2 – FRIDAY, 6TH APRIL 2018

Venue: 1 (Dr. S. Arumugam Seminar Hall)

Time: 11 AM TO 3.30 PM

| | |
|--------------|--|
| MAT-AB-ID042 | SYNTHESIS, CHARACTERIZATION AND COMPRESSION STRENGTH ANALYSIS OF CU AND CNT COMPOSITE PRODUCED BY BALL MILLING AND POWDER METALLURGY |
| MAT-AB-ID047 | ELECTROCHEMICAL BEHAVIOR OF AL-SIC METAL MATRIX COMPOSITES IN NACL SOLUTION |
| MAT-AB-ID023 | PRODUCTION AND CHARACTERIZATION OF BIMETALLIC CASTINGS |
| MAT-AB-ID038 | STUDIES ON BARIUM NITRATE FREE CIVILIAN PYROTECHNICS |
| MAT-AB-ID003 | OPTIMIZATION OF PROCESS PARAMETERS IN WIRE EDM OF CU-CR-ZR ALLOY MATERIAL USING TAGUCHI'S TECHNIQUE |
| MAT-AB-ID010 | STUDY ON IMPACT RESISTANCE, STRENGTH, DURABILITY PROPERTIES OF FLY ASH BASED GEOPOLYMER CONCRETE |
| MAT-AB-ID046 | A STUDY ON MECHANICAL BEHAVIOUR OF AL 2014 REINFORCED BINARY AND HYBRID PARTICULATE METAL MATRIX COMPOSITES |
| MAT-AB-ID049 | CHARACTERISATION OF GROOVE PRESSED ALUMINIUM METAL MATRIX COMPOSITE |

Venue: 1 (Dr. S. Arumugam Seminar Hall)

Time: 11 AM TO 3.30 PM

| | |
|-----------------|---|
| OTS-AB - ID023 | AUTO NOXIOUS GAS REPLACEMENT SYSTEM |
| OTS - AB -ID001 | A REVIEW ON THE OXIDATION STABILITY AND REDUCTION OF NOX EMISSION IN BODIESELS USING NATURAL AND SYNTHETIC ANTIOXIDANTS |
| OTS - AB - D002 | A COMPREHENSIVE RESEARCH ON HUMAN ERROR IN FIREWORK INDUSTRY |
| OTS - AB - D003 | CFD ANALYSIS OF HORIZONTAL AXIS WIND TURBINE BLADE |
| OTS - AB - D005 | SAFETY MONITORING AND FIRE DETECTION IN COAL HANDLING SYSTEM USING AUTOMATION TECHNIQUE |
| OTS - AB - D006 | ASSESSMENT OF CONTAMINANTS IN FOOD PRODUCTS DUE TO ADULTERATION AND IMPACT OF FOOD PACKAGING MATERIAL |
| OTS - AB - D007 | ANALYSING AND REDUCTION OF HAZARDOUS CONTENTS PRESENT IN THE ASH GENERATED FROM INDUSTRIAL WASTE THROUGH INCINERATION PROCESS |
| OTS - AB -ID009 | CONTROLLING EFFECTS OF WATER HAMMER, CAVITATION AND LEAKAGE FOR SAFE FLUID FLOW THROUGH VALVES |

DAY 2 –FRIDAY, 6TH APRIL 2018

| | |
|--|---|
| Venue: 2 (G.D Naidu Block, Room No- 5102) | |
| Time: 11.00 PM TO 3.30 PM | |
| OTS - AB -ID010 | UNDERGROUND CABLE FAULT DETECTION AND MONITORING SYSTEM |
| OTS - AB -ID011 | WEAR ANALYSIS OF ROCKER ARM USING THEORETICAL AND FINITE ELEMENT METHOD |
| OTS - AB -ID012 | FIRE DETECTION USING CAMERA AND INTELLIGENT FIRE SUPPRESSION SYSTEM |
| OTS - AB -ID013 | A WIRELESS OVERLOAD MONITORING AND FIRE PREVENTION SYSTEM FOR BUILDING ELECTRICAL NETWORK |
| OTS - AB -ID014 | HAZARDS REDUCTION IN HEAT TREATMENT PLANT BASED ON HIERARCHY OF CONTROL |
| OTS - AB -ID016 | HAZARD IDENTIFICATION AND NOISE REDUCTION IN TEXTILE INDUSTRY USING GENETIC ALGORITHM |
| OTS - AB -ID017 | RISK ASSESSMENT OF SILICA DUST IN STONE QUARRY SITES, TAMIL NADU |
| OTS - AB -ID019 | VISION BASED FEATURE EXTRACTION TECHNIQUES TO COMBAT CONGESTION IN TRAFFIC VIDEO SCENES |

Venue: 2 (G.D Naidu Block, Room No- 5102)

Time: 11.00 PM TO 3.30 PM

| | |
|-----------------|---|
| OTS - AB -ID020 | FACTORS INFLUENCING ENTREPRENEURIAL INTENTION AMONG COLLEGE STUDENTS: A SURVEY OF RESEARCH MODELS 2006-2015 |
| OTS - AB -ID022 | IMPLEMENTATION OF PID CONTROLLER FOR A VIRTUAL HYDRAULIC SYSTEM WITH DIFFERENT ACTUATORS |
| OTS - AB -ID025 | NUMERICAL ANALYSIS OF COLD FORMED STEEL ANGLES IN TENSION MEMBERS |
| OTS - AB -ID026 | INTERNET OF THINGS : A SURVEY ON TECHNOLOGY, APPLICATIONS AND FUTURE DIRECTIONS |
| OTS - AB -ID027 | COGNITIVE CHATBOT SERVICE FROM INFORMATION REPOSITORY |
| OTS-AB-ID034 | ANALYSIS OF CRITERIA FOR HP VALUES IN PROCESS INDUSTRIES USING FUZZY DEMATEL |
| OTS-AB-ID035 | ANALYSIS OF INTERRELATIONSHIP BETWEEN SUPPLIER AND BUYER USING FUZZY-DEMATEL |
| OTS-SB-ID036 | SIMULATION OF PLANAR ULTRA WIDEBAND ANTENNA USING CST STUDIO |

Venue: 3 (G.D. NAIDU BLOCK, Room No- 5003)

Time: 11.00 AM TO 3.30 PM

| | |
|--------------|--|
| THS-AB-ID001 | CONVERSION OF CONTAMINATED AUTOMOBILE WASTE LUBRICANT OIL INTO FLAMMABLE FUEL |
| THS-AB-ID002 | ENHANCING THE WATER MIST FIRE SUPPRESSION BY ADDING ORGANOPHOSPHORUS COMPOUNDS AND AEROSOL ADDITIVES |
| THS-AB-ID003 | CFD HEAT TRANSFER ANALYSIS FOR VARIOUS CUSTOMISED GEOMETRICS TO COOL ELECTRONIC DEVICES |
| THS-AB-ID004 | DESIGN AND ANALYSIS OF TWO WHEELER ENGINE CYLINDER FINS |
| THS-AB-ID007 | REDUCING THE FLUID FLOW BY HELICAL GROOVE SEALS |
| MFG-AB-ID048 | A NOVEL KRILL HERD OPTIMIZATION FOR MULTI OBJECTIVE JOB SHOP SCHEDULING PROBLEM |
| MFG-AB-ID055 | STUDY ON CERAMIC COATED ENGINE VALVE BY PLASMA SPRAY TECHNIQUE |
| MFG-AB-ID056 | EXPERIMENTAL ANALYSIS AND OPTIMIZATION OF PARAMETERS IN WEDM ON EN 47 |

Venue: 3 (G.D. NAIDU BLOCK, Room No- 5003)

Time: 11.00 AM TO 3.30 PM

| | |
|------------------|--|
| MAT-AB-ID052 | MECHANICAL PROPERTIES OF CUCUMIS PAVEL FIBER EPOXY COMPOSITES INFLUENCE OF FIBER LOADING AND ALKALI TREATMENT |
| MAT-AB-ID053 | EXPERIMENTAL AND NUMERICAL BALLISTIC PERFORMANCE DETERMINATION OF TITANIUM BASED FIBER METAL LAMINATES |
| MAT-AB-ID045 | EFFECT OF FIBRE LENGTH AND WEIGHT PERCENTAGE ON DIELECTRIC PROPERTIES OF SANSEVIERIA CYLINDRICA RENIFORCED POLYESTER COMPOSITES |
| MFG-AB-ID036 | FINITE ELEMENT MODELING AND EXPERIMENTAL EVALUATION OF GFRP RADIUS ROD FOR AUTOMOBILE COMPONENT UNDER STATIC AND DYNAMIC LOADING CONDITION |
| OTS - AB - ID024 | CHALLENGES AND POSSIBILITIES IN LARGE FIRE CONTROL. |
| OTS - AB - ID033 | HEAT STRESS MANAGEMENT PROGRAM IN CONSTRUCTION INDUSTRY |
| MFG-AB-ID037 | NUMERICAL DETERMINATION OF TENSILE BEHAVIOUR OF CURVED SPECIMENS USING SMALL PUNCH TEST |