

**ICSEE'22**  
**GOVERNMENT COLLEGE OF ENGINEERING KANNUR, KERALA**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**DETAILS OF PROGRAMME SCHEDULE**

**DAY I [5TH AUGUST 2022]**

VENUE	I	I	II	II
STREAM	<b>THERMAL SCIENCE AND ENGINEERING Session 1 of 2</b>	<b>MANUFACTURING ENGINEERING Session 1of 2</b>	<b>DESIGN OF MECHANICAL SYSTEMS Session 1 of 2</b>	<b>ENERGY ENGINEERING Session 1 of 1</b>
KEY NOTE SPEECH	NIL	Dr. K K RAMACHANDRAN PROFESSOR GCE THRISSUR, KERALA Mob: 9446410512 Email:kkramachandran@gectcr.ac.in	NIL	NIL
CHAIR	Dr. RANJITH MANIYERI ,ASSOCIATE PROFESSOR, NITK,SURATHKAL,KARNATAKA	Dr. K K RAMACHANDRAN PROFESSOR GCE THRISSUR, KERALA Mob: 9446410512 Email:kkramachandran@gectcr.ac.in	Dr. VINEESH K P ASSISTANT PROFESSOR NIT CALICUT, KERALA Mob:7797255917 Email: vineesh@nitc.ac.in	Dr. JITHESH P K, ASSISTANT PROFESSOR, GEC,KOZHICODE, KERALA Mob:8281333363 Email: jitheshpk@geckkd.ac.in
CO-CHAIR	Dr. MAHESHKUMAR P PROFESSOR,GCE KANNUR, KERALA	Dr. GOVINDAN P ASSOCIATE PROFESSOR,GCE KANNUR, KERALA	Dr. SUDHEESH KUMAR C P ASSOCIATE PROFESSOR GCE KANNUR, KERALA	Prof:DHANESH CHATTA ASSISTANT PROFESSOR GCE KANNUR, KERALA
SESSION MANAGER	Prof. ROSHINDAS M P, ASSISTANT PROFESSOR	Prof. AJAYAKUMAR N, ASSISTANT PROFESSOR,GCE KANNUR, KERALA	Prof. RANJITH T V AD HOC,GCE KANNUR, KERALA	Prof. JAYESH BABU K R ASSISTANT PROFESSOR ,GCE KANNUR, KERALA
NO. OF PAPERS	5	6	4	7
TIME	2PM TO 3.15 PM [PAPER PRESENTATION]	1PM TO 1.45PM [KEY NOTE SPEECH] 2PM TO 3.30 PM [PAPER PRESENTATION]	3.45 PM TO 4.45 PM [PAPER PRESENTATION]	3.45 PM TO 5.30 PM [PAPER PRESENTATION]

**DAY II [6TH AUGUST 2022 ]**

VENUE	I	I	II	II
STREAM	<b>THERMAL SCIENCE AND ENGINEERING [Session 2 of 2]</b>	<b>MANUFACTURING ENGINEERING [Session 2 of 2]</b>	<b>DESIGN OF MECHANICAL SYSTEMS [Session 2 of 2]</b>	<b>INDUSTRIAL ENGINEERING AND OPTIMIZATION [Session 1 of 1]</b>
KEY NOTE SPEECH	Dr. ABOOBACKER KADENGAL ASSOCIATE PROFESSOR LBS COLLEGE OF ENGINEERING, KASARAGOD Mob: 8547582398 Email: kadengal@gmail.com	NIL	NIL	NIL
CHAIR	Dr. ABOOBACKER KADENGAL ASSOCIATE PROFESSOR LBS COLLEGE OF ENGINEERING, KASARAGOD Mob: 8547582398 Email: kadengal@gmail.com	Dr. RAJEEV P PROFESSOR COLLEGE OF ENGINEERING, THALASSERY Mob: 8921474297 Email:puthalathkannur@yahoo.co.in	Dr. NITHIN KALIYATH PARAMBIL CENTER OF COMPOSITE MATERIALS UNIVERSITY OF DELAWARE, U S A Mob: +1 (646)-204-3378	Dr. JOBY GEORGE ,ASSOCIATE PROFESSOR AMALIYOTHI COLLEGE OF ENGINEERING KERALA Mob:9496365557 Email:jobycg2005@gmail.com
CO-CHAIR	Dr. KISHOREKUMAR V V, ASSISTANT PROFESSOR,GCE KANNUR	PROF JOSE M J ASSISTANT PROFESSOR GCE KANNUR ,KERALA	Dr. SAJEEB A M ASSOCIATE PROFESSOR GCE KANNUR, KERALA	Dr. ABDUL NAZAR K P ASSOCIATE PROFESSOR GCE KANNUR, KERALA
SESSION MANAGER	Prof. MUHAMMED ANEES V V, ASSISTANT PROFESSOR, GCE KANNUR	Prof. VIPINDAS M P AD HOC ,GCE KANNUR, KERALA	Prof. SAJIN E AD HOC ,GCE KANNUR, KERALA	Prof. RAJAN P ASSISTANT PROFESSOR GCE KANNUR, KERALA
NO. OF PAPERS	4	6	5	5
TIME	9.30 AM TO 10.15 [KEY NOTE SPEECH] 10.30AM TO 11.30AM[PAPER PRESENTATION]	12 PM TO 1.30 PM [PAPER PRESENTATION]	10.30AM TO 11.45 AM [PAPER PRESENTATION]	12 PM TO 1.15 PM [PAPER PRESENTATION]

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**GOVERNMENT COLLEGE OF ENGINEERING KANNUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**DETAILS OF TECHNICAL SESSION**

<b>KEYNOTE SPEAKER</b>	<b>N/A</b>	<b>VENUE :</b>	<b>I</b>
<b>CHAIR</b>	<b>Dr. RANJITH MANIYERI ,ASSOCIATE PROFESSOR, NITK,SURATHKAL,KARNATAKA ,Mob:8050159645.Email:mranji1@nitk.edu.in</b>	<b>DAY :</b>	<b>5/8/2022 [AN]</b>
<b>CO-CHAIR</b>	<b>Dr. MAHESHKUMAR P PROFESSOR,GCE KANNUR,KERALA</b>	<b>TIME :</b>	<b>2PM TO 3.15 PM [PAPER PRESENTATION ONLY]</b>
<b>SESSION MANAGER</b>	<b>Prof. ROSHINDAS M P,ASSISTANT PROFESSOR,GCE KANNUR</b>	<b>STREAM :</b>	<b>THERMAL SCIENCE AND ENGINEERING [session 1 of 2]</b>

<b>SI NO</b>	<b>PAPER ID</b>	<b>TITLE OF PAPER</b>	<b>AUTHOR</b>	<b>CONTACT NO</b>
1	7835	REVIEW ON PREPARATION OF BIODIESEL FROM ALGAE	ABHINANDH P	9496917296
2	2652	CFD ANALYSIS AND OPTIMIZATION OF THREE PHASE OIL SEPARATOR	ANFAL M A	7356474979
3	5323	EXPERIMENTAL INVESTIGATION OF THERMAL HAZARDS AND TOXIC EMISSIONS FROM PROCESS INDUSTRY POOL FIRES	SIVI VARGHESE	9747783673
4	1711	DYNAMIC SIMULATION OF DEMETHANIZER COLUMN USING CUSTOM COLUMN AND ITS DYNAMIC HAZOP STUDY IN UNISIM DESIGN	SANDRA ANN JACOB DR. P.A. SOLOMAN	8111954642
5	9716	INFLUENCE OF WORKING FLUIDS ON COOLING PERFORMANCE OF A CPU MAIN BOARD CHIP THROUGH MICRO PIN-FIN HEAT SINK	DEBASISHBISWAS	7003099341

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KEYNOTE SPEAKER	Dr. K K RAMACHANDRAN,PROFESSOR,GCE THRISSUR,KERALA,Mob: 9446410512 Email:kkramachandran@gectcr.ac.in TOPIC: <i>INTRODUCTION TO HIGH ENTROPY ALLOYS</i>	VENUE :	I
CHAIR	Dr. K K RAMACHANDRAN	DAY :	5/8/2022 [AN]
CO-CHAIR	Dr. GOVINDAN P,ASSOCIATE PROFESSOR,GCE KANNUR,KERALA	TIME :	1PM TO 1.45PM [KEY NOTE SPEECH] 2PM TO 3.30 PM [PAPER PRESENTATION]
SESSION MANAGER	Prof AJAYAKUMAR N ,ASSISTANT PROFESSOR,GCE KANNUR,KERALA	STREAM :	MANUFACTURING ENGINEERING [session 1 of 2]

SI NO	PAPER ID	TITLE OF PAPER	AUTHORS	CONTACT NO
1	1990	DETACHMENT STRESS CALCULATION OF PROJECTION STEREOLITHOGRAPHY BASED ON COHESIVE ZONE SIMULATION	RIBIN VARGESE PAZHAMANNIL	964 547 7996
2	6643	INFLUENCE OF STRAIGHT CYLINDRICAL AND STRAIGHT THREADED TOOL PROFILE IN THE FRICTION STIR WELDING OF AA 6061 ALUMINUM ALLOY	THEJUS C. M.	9496052950
3	4724	A REVIEW OF FSW ON AL MATRIX COMPOSITES(AMCS)	ASWATHI MANOHARAN	9947501621
4	1620	EFFECTS OF FSSW PROCESS PARAMETERS ON MICROSTRUCTURE AND STRENGTH OF WELDS MADE OF TRIP STEEL: A REVIEW	SABIN SURESH N	7025163085
5	2866	APPLICATION OF SYSWELD SOFTWARE IN FINDING WELD RESIDUAL STRESS: A REVIEW	SRAVAN K K	9400608436
6	8602	RESIDUAL STRESS AND DISTORTION IN GAS METAL ARC-BASED ADDITIVE MANUFACTURING.	GOKUL K A	9446618273

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<b>KEYNOTE SPEAKER</b>	<b>N/A</b>	<b>VENUE :</b>	<b>II</b>
<b>CHAIR</b>	<b>Dr. VINEESH K P</b> ,ASSISTANT PROFESSOR, NIT CALICUT,KERALA,Mob:7797255917 Email: vineesh@nitc.ac.in	<b>DAY :</b>	<b>5/8/2022 [AN]</b>
<b>CO-CHAIR</b>	<b>Dr. SUDHEESH KUMAR C P</b> ,ASSOCIATE PROFESSOR,GCE KANNUR,KERALA	<b>TIME :</b>	<b>3.45 PM TO 4.45 PM</b> <b>[PAPER PRESENTATION ONLY]</b>
<b>SESSION MANAGER</b>	<b>Prof. RANJITH T V</b> ,AD HOC ,GCE KANNUR,KERALA	<b>STREAM :</b>	<b>DESIGN OF MECHANICAL SYSTEMS</b> <b>[Session 1 of 2]</b>

<b>SI NO</b>	<b>PAPER ID</b>	<b>TITLE OF PAPER</b>	<b>AUTHOR</b>	<b>CONTACT NO</b>
1	2377	TRIBOLOGICAL PROPERTIES OF NATURAL GARLIC OIL AS AN ADDITIVE IN COTTON SEED OIL	IRFAD N	9895857217
2	7564	EXPERIMENTAL STUDY AND EVALUATION ON TRIBOLOGICAL PROPERTIES OF BLACKSEED OIL (NIGELLA SATIVA)	ARJUN J	7560827706
3	6771	OPTIMIZATION OF DESIGN AND OPERATION OF DRIP EMITTERS USED IN DRIP IRRIGATION SYSTEM	K M SREEJITH	6282506122
4	9509	NUMERICAL ANALYSIS OF SINGLE RIVETED LAP JOINT PANELS UNDER TENSION LOAD	RAYASAM SRILAKSHMI	8799530881

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<b>KEYNOTE SPEAKER</b>	<b>N/A</b>	<b>VENUE</b>	<b>: II</b>
<b>CHAIR</b>	Dr. JITHESH P K, ASSISTANT PROFESSOR, GEC,KOZHICODE,KERALA Mob:8281333363	<b>DAY</b>	<b>: 5/8/2022 [AN]</b>
<b>CO-CHAIR</b>	Prof:DHANESH CHATTA ASSISTANT PROFESSOR GCE KANNUR,KERALA	<b>TIME</b>	<b>: 3.45 PM TO 5.30 PM [PAPER PRESENTATION ONLY]</b>
<b>SESSION MANAGER</b>	Prof. JAYESH BABU K R,ASSISTANT PROFESSOR ,GCE KANNUR,KERALA	<b>STREAM</b>	<b>: ENERGY ENGINEERING [session 1 of 1]</b>

<b>SI NO</b>	<b>PAPER ID</b>	<b>TITLE OF PAPER</b>	<b>AUTHOR</b>	<b>CONTACT NO</b>
1	1761	A REVIEW ON ADVANCES IN PERFORMANCE IMPROVEMENT TECHNIQUES OF SOLAR THERMAL COLLECTORS	SOURAV D KUMAR	9061091137
2	2315	A REVIEW OF EFFICIENCY IMPROVEMENT METHODS OF SOLAR PV MODULES BY ADVANCED COOLING TECHNIQUES	NIDHIN NARAYANAN	8156973109
3	5188	A REVIEW ON HYBRID SOLAR-BIOMASS DRYER FOR FOOD PROCESSING INTEGRATED WITH SUN TRACKING SYSTEM	SHIGINA BABU E	6238788842
4	1641	REVIEW ON BIOMASS COOKSTOVES AND LATEST INNOVATIONS	JIHIN K	9496713594
5	3883	EXERGY ANALYSIS OF BIOGAS STEAM REFORMING FOR HYDROGEN PRODUCTION	DHANYA MENON P	9562569360
6	5811	BIFACIAL PHOTOVOLTAIC PERFORMANCE: A REVIEW	VIBIN WALES	9400759226
7	9580	A REVIEW ON SOLAR BOX COOKER AND UTILIZATION OF PHASE CHANGE MATERIAL AS A HEAT STORAGE UNIT IN IT	JISHNU RAJEEV	7306584445

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<b>KEYNOTE SPEAKER</b>	<b>Dr. ABOOBACKER KADENGAL</b> ASSOCIATE PROFESSOR LBS COLLEGE OF ENGINEERING, KASARAGOD Mob: 8547582398, Email: kadengal@gmail.com TOPIC: <i>MACHINE LEARNING AS AN EMERGING TOOL IN MECHANICAL ENGINEERING</i>	<b>VENUE</b>	I
<b>CHAIR</b>	<b>Dr. ABOOBACKER KADENGAL</b>	<b>DAY</b>	6/8/2022 [FN]
<b>CO-CHAIR</b>	Dr. KISHORE KUMAR , ASSISTANT PROFESSOR, GCE KANNUR	<b>TIME</b>	9.30AM TO 10.15PM [KEY NOTE SPEECH] 10.30 AM TO 11.30 AM [PAPER PRESENTATION]
<b>SESSION MANAGER</b>	Prof. <b>MUHAMMED ANEES V V</b> , ASSISTANT PROFESSOR, GCE KANNUR	<b>STREAM</b>	<b>THERMAL SCIENCE AND ENGINEERING</b> [Session 2 of 2]

<b>SI NO</b>	<b>PAPER ID</b>	<b>TITLE OF PAPER</b>	<b>AUTHOR</b>	<b>CONTACT NO</b>
1	6512	OPTIMIZATION OF THE REFLECTOR POSITION FOR THE FORCED ACOUSTIC WAVE – SHOCK INTERACTION OF AN UNDER-EXPANDED C-D NOZZLE.	AMBILY P N	9544683453
2	2314	NUMERICAL SIMULATION OF AN ELEMENT OF THERMOELECTRIC COOLER FOR THE OPTIMIZED DESIGN	JAYADEEP K.	9400461632
3	2661	EXPERIMENTAL INVESTIGATION OF TORREFACTION ON AUGER BASED REACTOR	MUHAMMED HAFIS N.P	9074710233
4	8664	PRODUCTION, CHARACTERIZATION AND PERFORMANCE STUDIES OF COCONUT TESTA BIODIESEL	TENNISON K JOSE	7356419618

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<b>KEYNOTE SPEAKER</b>		<b>N/A</b>	<b>VENUE</b> :	I
<b>CHAIR</b>		<b>Dr. RAJEEV P</b> ,PROFESSOR COLLEGE OF ENGINEERING,THALASSERY Mob: 8921474297,Email:puthalathkannur@yahoo.co.in	<b>DAY</b> :	6/8/2022 [FN]
<b>CO-CHAIR</b>		<b>PROF JOSE M J</b> ,ASSISTANT PROFESSOR GCE KANNUR ,KERALA	<b>TIME</b> :	12PM TO 1.30 PM [PAPER PRESENTATION ONLY]
<b>SESSION MANAGER</b>		<b>Prof. VIPINDAS M P</b> ,AD HOC ,GCE KANNUR,KERALA	<b>STREAM</b> :	<b>MANUFACTURING ENGINEERING</b> [Session 2 of 2]
<b>SI NO</b>	<b>PAPER ID</b>	<b>TITLE OF PAPER</b>	<b>AUTHORS</b>	<b>CONTACT NO</b>
1	2158	A REVIEW ON MICROSTRUCTURE DEVELOPMENT AND MECHANICAL PROPERTIES OF FUSION WELDED DUPLEX STAINLESS STEELS	ABHIJITH K P	8547894410
2	2273	EFFECT OF TOOL PIN PROFILES IN FRICTION STIR WELDING – A REVIEW	JOMIS MATHEW	9497723519
3	2527	PARTICLE DISTRIBUTION SIMULATION OF FUNCTIONALLY GRADED AZ91-SICP COMPOSITE FABRICATED BY CENTRIFUGAL CASTING	HARIS THOMAS	8547735480
4	1980	CLASSIFICATION MACHINING PERFORMANCE AND TYPES OF LUBRICATION IN MILLING OF TITANIUM ALLOYS- A REVIEW	ASWANTH K	9207188540
5	1296	PLASMA CHARACTERIZATION AND PARAMETRIC OPTIMIZATION OF ULTRASONIC VIBRATION ASSISTED MICRO EDM OF NITINOL	YADUKRISHNA P S	9747120781
6	3365	QUANTIFICATION OF CELL ADHESION OF BIOLOGICAL SAMPLES THROUGH IMAGE PROCESSING METHODS APPLIED TO FLUORESCENT MICROGRAPHS	PRIYANKA C P	9496346450

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**DETAILS OF TECHNICAL SESSION [4]**

KEYNOTE SPEAKER	N/A	VENUE	: II
CHAIR	Dr. NITHIN KALIYATH PARAMBIL,CENTER OF COMPOSITE MATERIALS UNIVERSITY OF DELAWARE,U S A,Mob: +1 (646)-204-3378	DAY	: 6/8/2022 [FN]
CO-CHAIR	Dr. SAJEEB A M ,ASSOCIATE PROFESSOR GCE KANNUR,KERALA	TIME	: 10.30AM TO 11.45 AM [PAPER PRESENTATION ONLY]
SESSION MANAGER	Prof. VIPIN DAS M P ,AD HOC ,GCE KANNUR,KERALA	STREAM	: DESIGN OF MECHANICAL SYSTEMS [session 2 of 2]

SI NO	PAPER ID	TITLE OF PAPER	AUTHOR	CONTACT NO
1	948	A FIELD MEASUREMENT TO INVESTIGATE THE EFFECTS OF RAW MATERIAL LOAD ON NOISE LEVELS IN DOMESTIC FLOUR MILL UNITS	PRAJITH RAJ C	7510186479
2	1242	SIMPLY SUPPORTED BEAM TRAVERSED BY AN UNDAMPED OSCILLATOR: AN INVESTIGATION OF THE INFLUENCE OF VEHICLE-BRIDGE MASS RATIO ON THE DYNAMIC RESPONSES	PRIYESH PADMANABHAN	08547128106
3	8195	EFFECT OF GEOMETRICAL PARAMETERS AND MATERIAL ON SOUND ABSORPTION COEFFICIENT - A REVIEW	JIPSON GEORGE	7907770243
4	4234	VIBRATION OF PRE-TWISTED BLADE - A REVIEW	AKSHAY CHANDRAN P	8156991795
5	5531	GENERAL DESIGN PRINCIPLES OF MUFFLER DESIGN: A REVIEW	JAGATH C M	9495539910



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**DETAILS OF TECHNICAL SESSIONS**

<b>KEYNOTE SPEAKER</b>	<b>N/A</b>	<b>VENUE :</b>	<b>II</b>
<b>CHAIR</b>	Dr. JOBY GEORGE ,ASSOCIATE PROFESSOR AMALJYOTHI COLLEGE OF ENGINEERING KERALA,Mob:9496365557,Email:jobygcg2005@gmail.com	<b>DAY :</b>	<b>6/8/2022 [FN]</b>
<b>CO-CHAIR</b>	Dr. ABDUL NAZAR K P ASSOCIATE PROFESSOR,GCE KANNUR,KERALA	<b>TIME :</b>	<b>12 PM TO 1.15 AM [PAPER PRESENTATION ONLY]</b>
<b>SESSION MANAGER</b>	Prof. RAJAN P,ASSISTANT PROFESSOR GCE KANNUR,KERALA	<b>STREAM :</b>	<b>INDUSTRIAL ENGINEERING AND OPTIMIZATION [Ssssion 1 of 1]</b>

<b>SI NO</b>	<b>PAPER ID</b>	<b>TITLE OF PAPER</b>	<b>AUTHOR</b>	<b>CONTACT NO</b>
1	1945	MULTIOBJECTIVE OPTIMIZATION OF THE RESPONSES WHILE USING EDM PROCESS	GOUTAM KUMAR BOSE	9903313045
2	3440	ANALYSIS OF DIFFERENT FACTORS INFLUENCING THE PRODUCTION PLAN OF A STEEL INDUSTRY	NAYANA RAVINDRAN BANGAPPATTA	9074370138
3	3994	REAL-TIME DEFECT DETECTION IN PRODUCTION OF NTC THERMISTOR DISCS	ASISH ISSAC ALEX	9497744026
4	7170	REVIEW ON INJECTION MOULDING OPTIMIZATION TECHNIQUES AND MATERIALS USED	ALLEN JOE MANUAL	8281625827
5	8031	SELECTION OF MATERIAL FOR PREPARATION OF AA7XXX COMPOSITE BASED ON TOPSIS METHOD	VIVEK C RAVI	9497206270