

International Conference on Materials Research in Science and Engineering (KMRSE'21)
23rd to 25th July 2021 (Virtual Mode)

Details of Technical Sessions Schedule

Dear Participants,

Greetings from Kumaraguru College of Technology.

- All the participants are requested to go through the details of Technical Sessions Schedule. Each session there will be one chairperson and Co-Chairperson. If you have any clarifications, kindly contact your Technical Session Co-Chairperson or the following coordinators.
- All the participants are requested to attend the keynote address and technical sessions using Online Link created in MS TEAMS Platform.
- Presentation Certificate will be given to presenter only.

Over all Coordinators		
Dr.C.Velmurugan	Professor and Head/Mech	9894167740
Dr.G.Ramakrishnan	Professor and Head/FT	9842313921

Technical Session Coordinators			
Technical Session 1	Dr.S.Balasubramanian	Associate Professor/Mech	9443506760
Technical Session 2	Dr.S.Thirumurugaveerakumar	Associate Professor/Mech	9865742425
Technical Session 3	Mr.M.A.Vinayagamoorthi	AP-II/Mech	9786690346
Technical Session 4	Mr.S.Pradeep	PhD Scholar/Mech	8508301013
Technical Session 5	Mr.Binnu Kurian Mathew	PhD Scholar/Mech	8129893593

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Details of Technical Session-1

Session No	Date	Time	Theme	Name of the Chair Person	Name of the Co Chair Person	Link	No. of Papers
1-A	23-07-2021	1.30 PM to 3.45 PM	Nano Materials	Dr. S.Venkatachalam , Assistant Professor, Department of Aerospace Engineering, Karunya University, Coimbatore. E-mail venkatachalam@karunya.edu Mobile No : 9791175905	Mr.G.Raj Kumar-AP-I-Aero (9486445351)	https://tinyurl.com/455ecpyp	16
1-B	23-07-2021	1.30 PM to 3.45 PM	Sustainable Materials	Dr.S.Syath Abuthakeer, Associate Professor, Department of Mechanical Engineering, PSG College of Technology, Coimbatore- 641004 E Mail:ssa.mech@psgtech.ac.in Mobile No : 9486127426	Dr.K.Krishnamoorthi-AP-II-Mech (9994151420)	https://tinyurl.com/uu64sdt9	15

1-C	23-07-2021	1.30 PM to 3.45 PM	Thin film coatings and corrosion sciences	Dr.K.Shanmuga Sundaram,College of Engineering,Guindy,Anna university,Chennai. Email: drkshanmugasundaram@gmail.com Mobile No: 9940155773	Dr.S.Sivakumar- AP-III-Mech (9940415348)	https://tinyurl.com/fw9sd5v2	13
1-D	23-07-2021	1.30 PM to 3.45 PM	Thermal Sciences and Fuel Cells- I	Dr.K.Ramesh Professor, Department of Mechanical Engineering, Government College of Technology, Coimbatore-13. E-Mail:kramesh@gct.ac.in Mobile No :7598020676	Dr.S.Balaji- AP-I- Mech (8248908882)	https://tinyurl.com/3dnejuux	8
1-E	23-07-2021	1.30 PM to 3.45 PM	Thermal Sciences and Fuel Cells- II	Dr.Rajamurugan G, Associate Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore. Email id- rajamurugan.g@vit.ac.in, Mobile No.9486537557.	Mr Prabu S AP-I-MECH (9944779612)	https://tinyurl.com/35b8fhmn	12

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Details of Technical Session-2

Session No	Date	Time	Theme	Name of the Chair Person	Name of the Co Chair Person	Link	No. of Papers
2-A	24-07-2021	10.45 AM to 1.00 PM	Smart Materials	Dr B Rajeswari, Assistant professor, Department of Mechanical Engineering, GCT CBE-13 Mobile No : 9965736751 rajes.aravind@gmail.com	Dr.N.Sangeetha- Sr.ASP-Mech (9443779513)	https://tinyurl.com/2xyj3u3m	10
2-B	24-07-2021	10.45 AM to 1.00 PM	Surface Engineering	Dr.V.Anandkrishnan Associate Professor Production Engineering National Institute of Technology Tiruchirappalli - 620015. Mobile No:9842167599 Email: krishna@nitt.edu	Dr.B.Senthilkumar- ASP-Mech (9486632722)	https://tinyurl.com/2hzsh6w4	11

2-C	24-07-2021	10.45 AM to 1.00 PM	Bio Materials - I	Dr.T.Sivakumar Assistant Professor, Department of Chemical Engineering, Coimbatore Institute of Technology Coimbatore - 641 014 E.Mail: sivakumar.t@cit.edu.in Mobile No. 9791546900	Dr.D.R.Manimaran- AP (SRG)- BT (9600888696)	https://tinyurl.com/53ah9x8u	10
2-D	24-07-2021	10.45 AM to 1.00 PM	Bio Materials - II	Dr Ramesh Kumar T Department of Mechanical Enginerring ,Bannari amma institute Technology,Coimbatore E- Mail:rameshkumart@bits athy.ac.in, Ph.No:9486084456	Mr.S.Rajesh- AP-I-Mech (9003803721)	https://tinyurl.com/mtttf3wd	13
2-E	24-07-2021	10.45 AM to 1.00 PM	Textile Materials and its properties - I	Dr.T.Palanirajan, Associate professor, Assitant director- Admissions, Fashion Technology, Vellore Institute of Technology, Chennai, Email ID; palanirajant@gmail.com, Ph: 9688562562	Dr.S.Sundaresan- ASP- TXT (8838889345)	https://tinyurl.com/ud6acwbs	10

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Details of Technical Session-3

Session No	Date	Time	Theme	Name of the Chair Person	Name of the Co Chair Person	Link	No.of Papers
3-A	24-07-2021	3.15 PM to 5.15 PM	Textile Materials and its properties-II	Dr. Veerakumar Arumugam Scientist, Institute for Sports Research, Nanyang Technological University, Singapore, Email: veerakumar27@gmail.com; Mobile No : +6581606460	Dr.M.Saravanan- AP-I- TXT (9790694816)	https://tinyurl.com/3dt9r5uu	10
3-B	24-07-2021	3.15 PM to 5.00 PM	Composite Materials-I	Dr. Rameshkumar Krishnaswamy, Professor , Amrita School of Engineering , Phone No:9994466457 Email Id:k_rameshkumar@cb.amrita.edu	Dr.T.Karuppusamy - AP-II-Mech (6380944202)	https://tinyurl.com/3946z834	9
3-C	24-07-2021	3.15 PM to 5.00 PM	Composite Materials-II	Dr. Samrat Mukhophadyay, Associate Professor, Department of Textile Technology, IIT Delhi. Email: samrat@textile.iitd.ac.in	Dr.R.Priyadharshini- AP-II-FT (7299018088)	https://tinyurl.com/4j8zty2p	10

3-D	24-07-2021	3.15 PM to 5.00 PM	Composite Materials-III	Dr.S.Usha, Assistant Professor, Department of Mechanical Engineering, Govt College of Technology, Coimbatore , E-mail: usha_s@gct.ac.in,ushapradeep24@gmail.com, Phone No: 9952985974	Mr.P.D.Devan- AP-I-Mech (8122252473)	https://tinyurl.com/y6trzdej	9
3-E	24-07-2021	3.15 PM to 5.00 PM	Advanced Materials-I	Dr.T.Venkatachalam Professor, Department of Physics Coimbatore Institute of Technology Coimbatore. E.Mail: atvenkatachalam@cit.edu.in Phone No. 9363155036	Dr.R.G.Sethuraman - AP-II- SFS (9965066005)	https://tinyurl.com/4a6pvj9m	11

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Details of Technical Session-4

Session No	Date	Time	Theme	Name of the Chair Person	Name of the Co Chair Person	Link	No.of Papers
4-A	25-07-2021	10.45 AM to 1.00 PM	Advanced Materials-II	Dr. S. Suresh Kumar Associate Professor Department of Mechanical Engineering Kalasalingam Academy of Research and Education (KARE) Srivilliputtur	Dr.M.Rameshkumar- AP-I-Mech (9087322211)	https://tinyurl.com/5fcrvbjd	11
4-B	25-07-2021	10.45 AM to 1.00 PM	Advanced Materials-III	Dr.K.Balaji, Department of Chemistry PSG Institute of Technology & Applied Research. E mail:balaji@psgitech.ac.in Phone No: 9865118037	Dr.R.Mahalakshmi- AP-II- SFS (9843776968)	https://tinyurl.com/k9d3z736	10
4-C	25-07-2021	10.45 AM to 1.00 PM	Materials and Product Optimization-I	S.Senthilkumaran Associate professor, Department of Mechanical Engineering, Guindy Campus,Anna University, Chennai., Mail ID : metrosenk@annauniv.edu Phone no : 9940645460	Dr.K.K.Arun- AP-III-Mech (9843598800)	https://bit.ly/2Vubz9a	12

4-D	25-07-2021	10.45 AM to 1.00 PM	Materials and Product Optimization-II	Dr.K.Mani,Principal And Professorof Mechanical Engineering, Panimalar Engineering College, Email: manipanimalar@gmail.com Phone no : 9994156513	Dr.K.M.Senthilkumar-ASP-Mech (9894863150, 9942071682)	https://bit.ly/3hVwTvP	11
4-E	25-07-2021	10.45 AM to 1.00 PM	Materials and Product Optimization-III	Dr M S Aezhisai Vallavi - Assistant Professor, Department of Mechanical Engineering, Government College of Technology, Coimbatore - 641013, Mail : vallavims@gct.ac.in, Mobile No : 8072298108	Dr.V.R.Muruganantham-ASP-Mech (9443444896)	https://tinyurl.com/3dpanhb6	11

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Details of Technical Session-5

Ses sion No	Date	Time	Theme	Name of the Chair Person	Name of the Co Chair Person	Link	No.of Papers
5-A	25-07-2021	2.00 Pm to 3.45 PM	Materials and Product Optimization-IV	Dr.G. Suganya Priyadharshini, Assistant Professor Department of Mechanical Engg Coimbatore Institute of Technology Coimbatore Email : suganyapriyadharshini.g@cit.edu.in Phone No : 9843980133	Dr.M.Thirumalaimuthukumar- AP-II- Mech (9095767777)	https://tinyurl.com/f6s25e3f	12
5-B	25-07-2021	2.00 Pm to 3.45 PM	Advanced Material Technology - I	Dr.Hariharan, Professor, Department of Mechanical Engineering, Kongu Engineering College, Erode. hariharan@kongu.ac.in	Mohankumar R.S - AP - Mechanical (9944584673)	https://tinyurl.com/buyzknpc	10
5-C	25-07-2021	2.00 Pm to 3.45 PM	Advanced Material Technology - II	Dr.M.Govindaraju , Assistant Professor , Department of Mechanical Engineering, Amrita Viswa Vidyapeetham , Coimbatore	Dr.V.Manivel Muralidharan AP-Mechanical (7904808165)	https://tinyurl.com/vcpume75	9

				Email : m_govindaraju@ch.amrita.edu, Cell No : 7207359461, 8668055931			
5-D	25-07- 2021	2.00 Pm to 3.45 PM	Automotive Technology	Dr.S.Jenorish Muthiya,Assistant Professor,Department of Automobile Engineering, Dayananda Sagar College of Engineering, Karnataka, Bengaluru Mail id:jenoris.555@gmail.com Mobile no:9094411654	Mr.Mohan Kumar, AP – Auto (9003756211)	https://tinyurl.com/9baxfd27	8

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Session No	1-A	Date and Time	23.07.2021 and 1:30 PM to 3:45 PM
Theme	Nano Materials	Meeting Link	https://tinyurl.com/455ecpyp
Name of the Chairperson	Dr. S.Venkatachalam , Assistant Professor, Department of Aerospace Engineering, Karunya University, Coimbatore. E-mail-venkatachalam@karunya.edu Mobile-9791175905	Name of the Co-Chair Person	Mr.G.Rajkumar-AP-I-Aero

Sl.No	Paper ID	Paper Title	Authors	Time
1	9	Experimental Study on Heat Transfer Enhancement for the Multi-Channel Flow of Graphene Nanofluid	R Manivel (Kumaraguru College Of Technology); Jeeva B (Kumaraguru College Of Technology)	1:30 PM - 1:40 PM
2	78	Investigation of Atomic Scale Effects on Nanobots in Fluid Domain	Senthil Kumar M (Kumaraguru College Of Technology); Vijayakumar Mathaiyan (Kumaraguru College Of Technology); Vijayanandh R (Kumaraguru College Of Technology); Jung Dong Won (Jeju National University); Srinivasamoorthy S (Kumaraguru College Of Technology); Arul Prakash R (Kumaraguru College Of Technology)	1:41 PM - 1:51 PM

3	109	Preparation and Characterization of Mullite ceramic Nano Powder for use in Nano composites	Viswanath Bellie (New Horizon College Of Engineering, Marathalli Outer Ring Road, Bangalore-560103); Darshan Kumar Jayaram (Kumaraguru College Of Technology); Gunapriya B (New Horizon College Of Engineering, Marathalli Outer Ring Road, Bangalore-560103); Karthi M (Sri Ramakrishna Engineering College, Coimbatore); Sankaramoorthy T (R.M.K College Of Engineering And Technology, Tiruvallur - 601206); Murugesan K Kandasamy (Kumaraguru College Of Technology)	1:52 PM - 2:02 PM
4	209	Simulation Study of High Velocity Impact Analysis on AA7075 Nanocomposites	Samuel Ratna Kumar .P.S (Kumaraguru College Of Technology); S.John Alexis (Kumaraguru College Of Technology)	2:03 PM - 2:13 PM
5	239	Synthesis and characterization of Poly (Vinylidene Fluoride) reinforced with multi walled carbon nanotubes	Daniel Das (Karpagam Academy Of Higher Education); Karthikeyan S (Karpagam Academy Of Higher Education)	2:14 PM - 2:24 PM
6	256	Chelating Agent Assisted Barium Titanate (BaTiO ₃) Nanoparticles by Hydrothermal Process	Ashokkumar R (Kumaraguru College Of Technology); Gnamam S (5Department Of Physics, School Of Basic Sciences, Vels Institute Of Science, Technology & Advanced Studies (VISTAS), Pallavaram, Chennai); Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002); Karthikeyan S (4Department Of Chemistry, Vivekanandha College Of Technology For Women, Namakkal); Shanmugaprakash M (Kumaraguru College Of Technology)	2:25 PM - 2:35 PM
7	277	Aloe Leaf Extract and Microwave Assisted Green Synthesis of Gold Nanoparticles and Its Catalytic Activity on Reductive Degradation of Methyl Red	Ramapriya Lakshmi Narasmhan (Dr.MGR Educational And Research Institute)*; Parimala L (Annai Violet Arts & Science College); Santhanalakshmi Jayadevan (Dept. Of Physical Chemistry, University Of Madras)	2:36 PM - 2:46 PM
8	280	Role of Nickel (Ni) on the micro structural and optical behaviours of CuO nano scale structures	Sethuraman R G (Kumaraguru College Of Technology); Dr Kannan R (Kumaraguru College Of Technology (KCT))	2:47 PM - 2:57 PM

9	281	A Review study for Characterisation and Mechanical Properties of Sisal Fiber reinforced with Nano particles polymer composites	Vinoth Kumar K (Rmk College Of Engineering And Technology)	2:58 PM - 3:08 PM
10	293	Two Phase Numerical Analysis of Graphite Nanoparticle in Circular Pipe	Jeeva B (Kumaraguru College Of Technology); Susilnath S (Kumaraguru College Of Technology); Sidharth K (Kumaraguru College Of Technology); Riyas Ahamed R (Kumaraguru College Of Technology)	3:09 PM - 3:19 PM
11	298	Biosynthesis and Aquatic Toxicity Studies of Gold Nanoparticle in Catla catla	Nirmala Gn (Vels Institute Of Science Technology And Advanced Studies); Akshata Sharma (Vels Institute Of Science Technology And Advanced Studies)	3:20 PM - 3:30 PM
12	356	Damping behavior on AA5083 - Al ₂ SiO ₅ Nanocomposites for SCARA robot arm	Samuel Ratna Kumar .P.S (Kumaraguru college of technology); Saravana Mohan M (Kumaraguru College Of Technology)	3:31 PM - 3:41 PM
13	368	ENHANCEMENT OF ANTIMICROBIAL EFFICACY OF COPPER IUD BY DOPING SILVER NANOPARTICLES THROUGH GREEN SYNTHESIS	G. Flora (St. Mary's College (Autonomous)); Prabasheela V (Department of Biotechnology, Aarupadai Veedu Institute of Technology, Vinayaka Mission's Research Foundation Paiyanoor, Kancheepuram distric)	3:42 PM - 3:52 PM
14	389	Structural explication by software and anti-diabetic effectiveness of L-Phenyl-alaninium maleate (LPAM) macro and nano crystalline samples	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	3:53 PM - 4:03 PM
15	372	SYNTHESIS, CHARACTERIZATION AND CATALYTIC ACTIVITY OF PLATINUM NANOPARTICLES	Chandran Flora Assistant Professor (Research Supervisor), Department of Chemistry, Holy Cross College (Autonomous), Nagercoil-629004. Mobile no: +91- 9943128208	4:04 PM - 4:14 PM
16	428	Structural, Vibrational and Morphological studies of Ltryptophan-Fumaric acid nanofibers	K.Rathidevi Assistant Professor-I, School of Foundational sciences, Department of Chemistry, Kumaraguru College of Technology, Coimbatore-49	4:15 PM - 4:25 PM

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Session No	1-B	Date and Time	23.07.2021 and 1:30 PM to 3:45 PM
Theme	Sustainable Materials	Meeting Link	https://tinyurl.com/uu64sdt9
Name of the Chair Person	Dr.S.Syath Abuthakeer, Associate Professor, Department of Mechanical Engineering, PSG College of Technology, Coimbatore- 641004 E-Mail:ssa.mech@psgtech.ac.in Mobile: 9486127426	Name of the Co Chair Person	Dr.K.Krishnamoorthi-AP-II-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	16	Experimental Investigation of Axial Compression Behaviour of Shock Wave Compacted Concrete Filled Steel Tube (CFST) to increase Strength and Sustainability	Dr Selvan C (Kumaraguru College of Technology (KCT)); Harikrishna M (Kumaraguru College of Technology); Dr.Sundarraaj K (Kumaraguru College of Technology)	1:30 PM - 1:39 PM
2	108	Exhibiting MCDM in Material Processing of Tea for Sustainable Productivity	Balaji M (Kumaraguru College of Technology)	1:40 PM - 1:49 PM

3	194	Effectiveness of particle damper on cutting performance during hard turning process	Lawrance Gunaraj (Karunya Institute of technology and sciences); Sam Paul P (Karunya Institute of technology and sciences); Vikram R (Karunya Institute of Technology and Sciences); Abel Bryson S (Karunya Institute of Technology and Sciences)	1:50 PM - 1:59 PM
4	205	Stabilization Of Clay Soil Using Coconut Shell Powder And Polyvinyl Chloride	Deepan Dev (Kumaraguru College of Technology); Manju R (Kumaraguru College of Technology)	2:00 PM - 2:09 PM
5	207	Experimental Investigation On Strength Properties Of Concrete With Metal Slag And Plastic Granules	SUBITHA T THIRUPATHI (Kumaraguru College of Technology); Manju R (Kumaraguru College of Technology)	2:10 PM - 2:19 PM
6	210	Experimental Study on Light Weight Concrete Block with Granulated Corn Cob	Ananda Selvan (St. Peter's Institute of Higher Education and Research); Asha P (St. Peter's Institute of Higher Education and Research)	2:20 PM - 2:29 PM
7	231	Experimental Studies on Mechanical Properties of High Strength Concrete Using Fly Ash and Alccofine	Gayathri V (Kumaraguru College of Technology); Ramadevi K (Kumaraguru College of Technology); Eswaramoorthi P (Kumaraguru College of Technology); Parvathy karthika A (Thamirabharani Engineering College)	2:30 PM - 2:39 PM
8	232	Stabilization of Black Cotton Soil Using Alccofine and Lime	Gayathri V (Kumaraguru College of Technology); Harshitha Danda (Kumaraguru College of Technology)	2:40 PM - 2:49 PM
9	240	Sustainable Packaging Material Using Natural Fibre Composite to Replace Plastics in Apparel Retail Store	Kavitha S (Kumaraguru College Of Technology)	2:50 PM - 2:59 PM
10	295	Strength and Durability Properties of Concrete with Partial replacement of Coarse Aggregates with E-waste Aggregates	Premalatha J (Kumaraguru College of Technology)	3:00 PM - 3:09 PM

11	299	Replacement of GGBS(Ground-Granulated Blast-Furnace Slag) in Concrete	Somasundhara Naathan M (Kumaraguru college of technology); Ramadevi K (Kumaraguru College of Technology)	3:10 PM - 3:19 PM
12	303	Enhancing the Properties of Concrete Pertaining to Sulphate and Chloride Attacks	Nathu Dada Thombare (VPSOA, Baramati)	3:20 PM - 3:29 PM
13	309	Development of Conductive Graphite Concrete	Uma Magesvari M (Rajalakshmi Engineering College); Uma Magesvari M (Rajalakshmi Engineering College)	3:30 PM - 3:39 PM
14	314	Prediction of Compressive Strength of Concrete with Rice Husk Ash (RHA) as Partial replacement for Cement using Artificial Neural Network (ANN) Model	Premalatha J (Kumaraguru College of Technology)	3:40 PM - 3:49 PM
15	442	An Investigation on the performance of Permanent Magnet Brushless DC Motor based on different materials	Thenmozhi Ganesan (Kumaraguru College of Technology); S Sivakumar (Kumaraguru College Of Technology)	3:50 PM - 3:59 PM

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Session No	1 - C	Date and time	23.07.2021 and 1:30 PM to 3:45 PM
Theme	Thin Film Coatings and Corrossion Sciences	Meeting Link	https://tinyurl.com/fw9sd5v2
Name of the Chair Person	Dr.K.Shanmuga Sundaram, Professor, Engineering Design Division, Department of Mechanical Engineering, College of Engineering, Guindy, Anna university, Chennai. Email: drkshanmugasundaram@gmail.com Mobile No: 9940155773	Name of the Co Chair Person	Dr.S.Sivakumar- AP-III-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	63	Treatment of Reactive Red 195 from its Aqueous Solution by Electro Coagulation Method Using Iron Electrode	Rathinam R (Sri Eshwar College of Engineering)	1:30 PM - 1:41 PM
2	104	Analysis of corrosion resistance of nano structured Co-W coatings through electrodeposition technique coated on the surface of mild steel	Dr. Kannan R (Kumaraguru College of technology); Goutham Srinivasan S (Kumaraguru College of Technology)	1:42 PM - 1:53 PM
3	161	Morphological Analysis of Shock Wave Exposed Nickel Tungsten Thin Film Prepared by Electroplating Process	Selvambikai M (Kumaraguru College of Technology); Dr. Kannan R (Kumaraguru College of technology)	1:54 PM - 2:05 PM
4	222	Studies on Development and Analysis of Edible Millet Films	Nithya S Priya (Kumaraguru College of Technology)	2:06 PM - 2:17 PM

5	243	Corrosion Inhibition of Low Carbon Steel by Leaves Extracts of Coleus Aromaticus Benth in Sulphuric Acid	Jyothi S (Kct); Jalajaa D (KCT)	2:18 PM - 2:29 PM
6	325	Corrosion behaviour of mild steel in waste cooking oil as biofuel	Kalapriya K (KCT)	2:30 PM - 2:41 PM
7	374	Studies of ZnS Thin Films synthesized By Nebulizer Spray Pyrolysis Technique for Solar Cell Applications	G. Flora (St. Mary's College (Autonomous)); Nirmala Shirley A (Department of Physics, St. Mary's College (Autonomous), Thoothukudi-628001)	2:42 PM - 2:53 PM
8	379	Analytical Study of Deposition of TiO ₂ and SiO ₂ Multilayers for Blue Colour Display	G. Flora (St. Mary's College (Autonomous)); Sheeba M (Department of Physics, St. Mary's College (Autonomous), Thoothukudi - 628001, Tamilnadu)	2:54 PM - 3:05 PM
9	407	Coating of Graphene Oxide to Increase the Hardness of Tungsten Carbide Cobalt Chromium Mixture Composite (WC-10Co-4Cr)	Sankara T Moorthy (R.M.K College Of Engineering And Technology)	3:06 PM - 3:17 PM
10	420	Evaluation of the Corrosion Protection on Mild Steel in Acid Pickling Environment using Moringa oleifera gum exudate	Jalajaa D (KCT)	3:18 PM - 3:29 PM
11	444	Comparison of the Corrosion Inhibition Efficiencies of Binary inhibitor Systems on Mild Steel in Acidic Environment	Jalajaa D (KCT)	3:30 PM - 3:41 PM
12	445	Studies on the Dielectric Properties and Structural of Chromium Doped Samarium Ferrite	Gandhi Mallela	3:42 PM - 3:53 PM
13	410	Inhibitive Effect of the Extract of Maranta arundinacea on the Corrosion of Mild Steel in Sulphuric Acid	Dr. S. Jyothi Assistant Professor Department of Chemistry, School of Foundational Sciences, Kumaraguru College of Technology	3:54 PM - 4:05 PM

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Session No	1-D	Date and Time	23.07.2021 and 1:30 PM to 3:45 PM
Theme	Thermal Sciences and Fuel Cells I	Meeting Link	https://tinyurl.com/3dnejuux
Name of the Chair Person	Dr.K.Ramesh Professor, Department of Mechanical Engineering, Government College of Technology, Coimbatore-13. e-Mail:kramesh@gct.ac.in Mobile:7598020676	Name of the Co Chair Person	Dr.S.Balaji- AP-I- Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	43	Numerical study of heat transfer characteristics of graphite	R Manivel (Kumaraguru College Of Technology); Jeeva B (Kumaraguru College Of Technology)	1:30 PM - 1:45 PM
2	76	Performance Analysis of Vortex Tube Refrigeration System by Experimental Method	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	1:46 PM - 2:01 PM
3	92	Jet Decay Characteristics of Truncated Chevron Nozzle	Sathish Kumar Kumar (Nehru Institute of Engineering and Technology); Sankaran A (Nehru Institute of	2:02 PM - 2:17 PM

			Engineering and Technology); Nikilan R (Nehru Institute of Engineering and Technology); Gerith M (Nehru Institute of Engineering and Technology); Vengatesan G (Nehru Institute of Engineering and Technology); Asif Mohammed F (Nehru Institute of Engineering and Technology); AnuSindhiya K (Vellore Institute of Technology - Chennai); Sundararaj K (Kumaraguru College of Technology)	
4	93	Turbulence Characteristics of Truncated Chevron Nozzle	Sathish Kumar Kumar (Nehru Institute of Engineering and Technology); Sankaran A (Nehru Institute of Engineering and Technology); Nikilan R (Nehru Institute of Engineering and Technology); Gerith M (Nehru Institute of Engineering and Technology); Vengatesan G (Nehru Institute of Engineering and Technology); Asif Mohammed F (Nehru Institute of Engineering and Technology); AnuSindhiya K (Vellore Institute of Technology - Chennai); Sundararaj K (Kumaraguru College of Technology)	2:18 PM - 2:33 PM

5	125	Drying Kinetics of Turkey Berry Using Solar Tunnel Dryer: Natural Convection	Jeeva B (Kumaraguru College of Technology); Madhumitta P (Kumaraguru College of Technology); Saran T (Kumaraguru College of Technology); Balaji S (Kumaraguru College of Technology); Sanajai R (Kumaraguru College of Technology); Senthamil Selvan P (Kumaraguru College of Technology)	2:34 PM - 2:49 PM
6	142	On the Entropy of a Stationary Black Hole: Due to Extreme Entropy, the Black Hole Radiates Energy to Maintain Proper Balance within the Black Hole.	Prasenjit Debnath (NIT Agartala)	2:50 PM - 3:05 PM
7	183	Sustainable Energy Production from Food Waste using Microbial Fuel Cell (MFC)	Dr. G.L Sathyamoorthy (Kumaraguru College Of Technology,Coimbatore)	3:06 PM - 3:21 PM
8	189	Experimental Study on Hybrid Fuel Storage Tank to Reduce Evaporative Emission	Rajkumar G (kumaraguru college of technology); devan p d (kumaraguru college of technology)	3:22 PM - 3:37 PM

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Session No	1-E	Date and Time	23.07.2021 and 1:30 PM to 3:45 PM
Theme	Thermal Sciences and Fuel Cells II	Meeting Link	https://tinyurl.com/35b8fhmn
Name of the Chair Person	Dr.Rajamurugan G, Associate Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore. Email id- rajamurugan.g@vit.ac.in, Mobile no.9486537557.	Name of the Co Chair Person	Mr.S.Prabhu , AP- I , Mechanical Engineering

Sl.No	Paper ID	Paper Title	Authors	Time
1	258	Prediction of thermal disruption and microstructure study on Cast Iron Pump casing in Metal removal process	Balasubramanian Shanmugam (Kumaraguru College of Technology); Mohan kumar R S (Kumaraguru College of Technology); Vinayagamoorthis M A (Kumaraguru College of Technology)	1:30 PM - 1:45 PM
2	321	Design and Analysis of Radiator Fins for Improving the Performance	K Ulaganathan (Kumaraguru College of Technology)	1:46 PM - 2:01 PM
3	323	A computational approach for the determination of thermal conductivity of cardboard using Lee's Disc method	Maheswari Krishnamoorthy (Kumaraguru College of Technology, Coimbatore); Dhivya J (Kumaraguru College of Technology)	2:02 PM - 2:17 PM
4	375	Effect Of Temperature On Structural Steel (Is 2062) Through Equal Channel Angular Pressing	G. Flora (St. Mary's College (Autonomous)); Surendarnath S (1Department of Mechanical Engineering, Sri Venkateswara College of Engineering & Technology(A), Chittoor - 517 127. Andhra Pradesh)	2:18 PM - 2:33 PM

5	378	Gruneisen Parameters for alcohol with benzene at different temperature	G. Flora (St. Mary's College (Autonomous)); Mathana Gopal A (1PG & Research Department of Physics, Scott Christian College, Nagercoil - 629003, Tamilnadu)	2:34 PM - 2:49 PM
6	384	Design and CFD Analysis of Undertray Diffuser for Formula Student Car	Kishore R (Kumaraguru college of technology); Prawin Khumar Selvaraj (kumaraguru); Ajay Bharathi A (Kumaraguru college of technology); Hari Nivethan M (Kumaraguru college of technology)	2:50 PM - 3:05 PM
7	398	Numerical investigation on back pressure developed in adsorbent chamber for emission reduction in Diesel Engine	Mohankumar S Subramanian (Kumaraguru College of Technology); Sathish S (Kumaraguru College of Technology); Naveen Kumar C (Kumaraguru College of Technology); S.John Alexis (Kumaraguru College of Technology)	3:06 PM - 3:21 PM
8	402	Prediction of Temperature Distribution in a Thermal Jacket Through Simulation During Hot and Cold Environment	R Manivel (Kumaraguru College of Technology); Soundar R (Kumaraguru College of Technology); Rubakumar K (Kumaraguru College of Technology)	3:22 PM - 3:37 PM
9	404	A Numerical Investigation on Phase Change Material based Battery Thermal Management System	Mohankumar S Subramanian (Kumaraguru College of Technology); Satish S (Kumaraguru College of Technology); Thenmozhi Ganesan (Kumaraguru College of Technology); SIVAKUMAR S (Kumaraguru College of Technology); Ganeshkumar Devarajan (Kumaraguru College of Technology)	3:38 PM - 3:53 PM

10	355	Characteristics of Fuel-Air Mixing in the Subsonic Combustion Regime with Opposed Fuel Jets for Flame Stabilization	M. SENTHIL KUMAR Assistant Professor(SrG), Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore - 641 049. Tamil Nadu-India. Phone: 0422 - 26691326 Mobile: +91-99520 96808 Email: senthilkumar.m.aeu@kct.ac.in	
11	405	An Experimental Investigation on the Design and Development of Zinc Air Battery for EVs	Thenmozhi G Associate Professor, Department of Automobile Engineering Kumaraguru College of Technology Saravanampatti, Coimbatore 9943434349	
12	354	Thermal Analysis of Stacked type Supercapacitors for Different Material Structures	S.Sivakumar (Kumaraguru College of Technology) , Thenmozhi Ganesan (Kumaraguru College of Technology) , K.S.Sabir ali (Kumaraguru College of Technology) ,M.S.Kishore(Kumaraguru College of Technology)	

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Session No	2-A	Date and Time	24.07.2021 and 10:45 AM - 1:00 PM
Theme	Smart Materials	Meeting Link	https://tinyurl.com/2xyj3u3m
Name of the Chair Person	Dr B Rajeswari Assistant professor, Department of Mechanical Engineering, GCT CBE-13 9965736751 rajes.aravind@gmail.com	Name of the Co Chair Person	Dr.N.Sangeetha- Sr.ASP-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	52	An Investigation on Selection and Validation of Suitable Material to a Steering Knuckle of Quad Bike	Sreeharan B N (Kumaraguru College of Technology)*; Saranyan B (Kumaraguru College of Technology)	10:45 AM - 11:00 AM
2	164	Effect Of Arc Current On Microstructural And Mechanical Characteristics Of Nickel Hardfaced Deposits Using Plasma Transferred Arc Processes	Vadivel P (SVS college of Engineering); Gnanasekaran S (Assistant Professor, Department of Mechanical Engineering, sri shakthi institute of engineering and technology, Coimbatore-641062.); Velmurugan C (Professor, Department of Mechanical Engineering, Kumaraguru College of Technology, Coimbatore-641049.); Samson Jerold Samuel C (Associate Professor, Mechanical Engineering, Sri Krishna College of Engineering and Technology, Coimbatore-641008.)	11:01 AM - 11:16 AM

3	192	TURBINE BLADE ANALYSIS USING DIFFERENT ALLOY	Sankaran A (nehru institute of engineering and technology); Deepak P Kumar (nehru institute of engineering and technology)	11:17 AM - 11:33 AM
4	252	Influence of materials in SCARA robot joints and End Effectors	Saravana Mohan M (Kumaraguru College Of Technology); Samuel Ratna Kumar .P.S (Kumaraguru college of technology); Sikkandhar Thanish G (Kumaraguru College Of Technology)	11:34 AM - 11:49 AM
5	267	A Fuzzy Logic Approach for Material Selection Problem	Dhivya J (Kumaraguru College of Technology); Saroja M.N (Kumaraguru College of Technology)	11:50 AM - 12:05 PM
6	283	Design and Fabrication of Blended Wing Body UAV	Sundararaj Kandasamy (Kumaraguru College of Technology)	12:06 PM - 12:21 PM
7	352	Vibration Analysis of Battery Casing Using Different Rubber Materials	Saiganesh Jayakaran (Kumaraguru College of Technology); Vishnuvel K (Kumaraguru College of Technology); Kajendran M (Kumaraguru College of Technology)	12:22 PM - 12:37 PM
8	397	Determination of Stacking Fault Energy for a Nitinol Based Shape Memory Alloys by Molecular Dynamics Simulation	Swetha Bala M N V S (MLR Institute of technology); Uday Ranjan Goud N (MLR Institute of technology); Dr. Kannan R (Kumaraguru College of technology)	12:38 PM - 12:53 PM
9	446	Theoretical analysis of medical healthcare chatbot system	Suguna M (Kumaraguru college of Technology)	12:54 PM - 1:09 PM
10	66	An Investigation on influence of Battery Materials for Efficient Lithium-Ion Battery Pack Design	Dr.S. Sivakumar (Kumaraguru College of Technology)	1:10Pm to 1:25 PM

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Session No	2-B	Date and Time	24.07.2021 and 10:45 AM - 1:00 PM
Theme	Surface Engineering	Meeting Link	https://tinyurl.com/2hzsh6w4
Name of the Chair Person	Dr.V.Anandakrishnan Associate Professor Production Engineering National Institute of Technology Tiruchirappalli - 620015. 9842167599 krishna@nitt.edu	Name of the Co Chair Person	Dr.B.Senthilkumar- ASP-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	87	Wear analysis of Cryogenic Treatment cutting tool insert in Turning of Glass Fiber Reinforced Plastics	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	10:45 AM - 10:57 AM
2	102	Enhancement of wear resistance of mild steel using nano crystalline CoW coatings through electroplating technique	Dr. Kannan R (Kumaraguru College of technology); Goutham Srinivasan S (Kumaraguru College of Technology)	10:58 AM - 11:10 AM
3	105	Study on Wear Behaviour of Nickel Tungsten Coated Mild Steel using Finite Element Analysis (FEA)	Dr. Kannan R (Kumaraguru College of technology); Selvambikai M (Kumaraguru College of Technology)	11:11 AM - 11:23 AM

4	153	Studies on the Control of Cavity Pressure on Material Behaviour in Sheet Hydroforming Process	S.John Alexis (Kumaraguru College of Technology)	11:24 AM - 11:36 AM
5	238	Surface Physical Analysis on Plasma Treated Silk Fabric	Inbakumar S (Kumaraguru college of technology)*	11:37 AM - 11:49 AM
6	266	Experimental Investigations on Effect of Magnesium on wear properties of cast iron	Pradeep S (Kumaraguru College of Technology); Velmurugan Chinnusamy (Kumaraguru College of Technology); Balasubramanian Shanmugam (Kumaraguru College of Technology); Sabitha B (Kumaraguru College of Technology); Dr.K.R.Aranganayagam (Kumaraguru College of Technology)	11:50 AM - 12:02 PM
7	275	An Experimental Characterization on Tribological Behavior of Cardanol Blended Lubricant with Graphene and Zinc Oxide as a Lubricating Additive	Suresh s srinivasan (kumaraguru college of technology)*; pradeep p periasamy (kumaraguru college of technology); prabhu subramaniam (kumaraguru college of technology); ramesh kumar (kumaraguru college of technology); ramesh nithin (kumaraguru college of technology)	12:03 PM - 12:15 PM
8	286	Roughness measurement of mild steel plate by speckle images	Balamurugan r rajamanickam (kumaraguru college of technology)*	12:16 PM - 12:28 PM
9	327	A Comparative Surface Roughness Study of Silicon Wafer by Laser Speckle Technique, Atomic Force Microscopy and Stylus Profilometry	Prakasam r (kumaraguru college of technology)*	12:29 PM - 12:41 PM
10	411	Experimental Study of Tribological Behaviour of Pyrolysed Cardanol Oil with Silicon Dioxide Additive to Improve Engine Lubrication	Karthi P (kumaraguru college of technology)*; deepaanandu s g (kumaraguru college of technology); prashanth p (kumaraguru college of technology)	12:42 PM - 12:54 PM
11	424	Vicker's hardness, elastic stiffness, fracture toughness, hardness in Mohs scale, Young's modulus and yield strength measurement of BaSiF6:Eu2+ phosphors	Dr Senthilkannan . K (Director R&D Edayathangudy GS pillay arts& science college Nagapattinam 611002)*; Jessie Fernando (st.mary's college); padmavathi p (st.mary's college)	12:55 PM - 1:07 PM

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Session No	2-C	Date and Time	24.07.2021 and 10:45 AM - 1:00 PM
Theme	Bio Materials I	Meeting Link	https://tinyurl.com/53ah9x8u
Name of the Chair Person	Dr.T.Sivakumar Assistant Professor, Department of Chemical Engineering, Coimbatore Institute of Technology Coimbatore - 641 014 E.Mail: sivakumar.t@cit.edu.in Mobile No. 9791546900	Name of the Co Chair Person	Dr.D.R.Manimaran- AP (SRG)- BT

Sl.No	Paper ID	Paper Title	Authors	Time
1	35	Preparation and evaluation of gluten free cookies for celiac patients	Sivarajasekar Natesan (Kumaraguru College of technology, Coimbatore)	10:45 AM - 10:58 AM
2	54	A study of the prevalence of microorganism in specific areas of hospitals	L.Dhivyalakshmi, (Assistant Professor, Sri Ramakrishna Engineering College) Muthukumar V (Professor, Kumaraguru College of Technology)	10:59 AM - 11:12 AM
3	64	Extraction of Polyphenols from Green Tea - HPLC Purification of Catechin Fractions	Brindha T (Karpagam Academy of Higher Education); Rathinam R (Sri Eshwar College of Engineering); Dheenadhayalan S (Erode Sengunthar Engineering College); Malarvizhi M (Sri GVG Visalakshi College for Women)	11:13 AM - 11:26 AM

4	67	Techno-economic analysis of lowcost recombinant beta - glucosidase enzyme using escherichia coli	Uma N Devi (Kumaraguru college of technology)	11:27 AM - 11:40 AM
5	68	Banana Peel Metalloprotease Characterizations	Poorani Gurumallesh (Kumaraguru college of Technology)	11:41 AM - 11:54 AM
6	101	Degradation of an acid dye using calcium oxide extrated from waste egg shells	Geetha Karthi A (Kumaraguru College of Technology)	11:55 AM - 12:08 PM
7	151	Investigation of Vital Attributes Influencing Breast Cancer through the Perspective of Nano Topology	Meena K (Kumaraguru College of Technology); Arivuoli D (Kumaraguru College of Technology)	12:09 PM - 12:22 PM
8	163	Comparative antioxidant capacity of fucoidan batches extracted from Sargassum wightii	Veerabhuvaneshwari Veerichetty (Kumaraguru College of Technology); Ashra Sindhikkaa Mohammed Rafi (Bannari Amman Institute of Technology)	12:23 PM - 12:36 PM
9	187	Study on the influence of bio carrier media for the effective performance of high-rate anaerobic reactor treating industrial wastewater	Dr. G.L Sathyamoorthy (Kumaraguru College of Technology, Coimbatore)*	12:37 PM - 12:50 PM
10	241	Development of edible and biodegradable ice cream spoon	Nithya S Priya (Kumaraguru College of Technology)	12:51 AM - 1:04 PM



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Session No	2-D	Date and Time	24.07.2021 and 10:45 AM - 1:00 PM
Theme	Bio Materials II	Meeting Link	https://tinyurl.com/mtttf3wd
Name of the Chair Person	Dr Ramesh Kumar T Department of Mechanical Engineering , Bannari Amman Institute Technology,Coimbatore E-Mail:rameshkumart@bitsathy.ac.in, Ph.No:9486084456	Name of the Co Chair Person	Mr.S.Rajesh- AP-I-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	251	Bioleaching of valuable metals from E-waste	Manimaran D.R. (Kumaraguru College of Technology)	10:45 AM - 10:55 AM

2	285	Synthesize, Characterization and Biological Applications of Arucaria Heterophylla Gum – Hydroxyapatite – Sulfur - A Novel Ternary Bionanocomposites	Srinivasan A (PG & Research Department of Chemistry, Government Arts College (Autonomous), Coimbatore – 641 018); Balaji M (PG & Research Department of Chemistry, Government Arts College (Autonomous), Coimbatore – 641 018); Pandaram P (Thermoluminescent Dosimeter Lab, Kudankulam Nuclear Power Project, Kudankulam – 627 116); Rajasekar K(Department of Nanotechnology, Anna University Regional Campus, Coimbatore – 641 046); Mayildurai R (Kumaraguru College of Technology); Marudhavanan T (Department of Chemistry, SONASTARCH, Sona College of Technology (Autonomous), Salem – 636 005); Ramasubbu A(PG & Research Department of Chemistry, Government Arts College (Autonomous), Coimbatore – 641 018)	10:56 AM - 11:06 AM
3	367	Synthesis and characterization of hydroxyapatite from chicken eggshells – a novel bioceramics	G. Flora (St. Mary's College (Autonomous)); Nagalakshmi R (Assistant Professor, Department of Chemistry Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai)	11:07 AM - 11:17 AM

4	371	Microwave abetted preparation of nano-hydroxyapatite for orthopedic application with in-vitro evidences	G. Flora (St. Mary's College (Autonomous)); Prabasheela B (Department of Biotechnology, AarupadaiVeedu Institute of Technology)	11:18 AM - 11:28 AM
5	373	Study of acoustical parameters of bioactive compound with benzyl propionate using ultrasonic technique	G. Flora (St. Mary's College (Autonomous)); Padmavathi P (Deptt. of Physics, Scott Christian College, Nagercoil)	11:29 AM - 11:39 AM
6	383	In silico sequence analysis of urease from Klebsiella aerogenes	Amirtha Varshini (Kumaraguru College of Technology); sathishkumar T (Kumaraguru College of Technology); Kumaresan K (Kumaraguru college of Technology); Thirumurugan A (Kumaraguru College of Technology)	11:40 AM - 11:50 AM
7	399	Extraction and Optimization of Inulin from Cichorium intybus (Chicory Roots)	Manimaran D.R. (Kumaraguru College of Technology)	11:51 AM - 12:01 PM
8	408	Extortion, anti-bacterial, spectral, band gap and ultrasonic factors of herbal cough syrup and content comparison with commercial samples	Dr Senthilkannan . K (director r&d edayathangudy gs pillay arts& science college nagapattinam 611002); jessie fernando (st.mary's college thoothukudi); padmavathi p (st.mary's college thoothukudi)	12:02 PM - 12:12 PM
9	447	Growth kinetics of cellulose producing bacteria	Sivarajasekar Natesan (Kumaraguru College of technology, Coimbatore)	12:13 PM - 12:23 PM

10	429	Taxonomic and functional metagenomic profiling of microbial communities in urine sample	Dr. Ram K Assistant Professor II Department of Biotechnology Kumaraguru College of Technology, Coimbatore	12:24 PM - 12:34 PM
11	427	in Situ Forming Alginate Dialdehyde – Gelatin Hydrogel Containing Cyclodextrin – Curcumin Accelerates In Vivo Wound Healing	Dr.N.Saraswathi , Professor , Department of Biotechnology , Kumaraguru College of Technology, Coimbatore	12:35 PM - 12:45 PM
12	433	Studies on Release Kinetics of Curcumin from Alginate Dialdehyde Hydrogel	Dr.N.Saraswathi , Professor , Department of Biotechnology , Kumaraguru College of Technology, Coimbatore	12:46 PM - 12:56 PM
13	435	Extraction of Lutein from Targetes Erecta using Deep Eutectic Solvents	Dr .P.Ramalingam , Professor, Dr.N.Saraswathi , Professor , Department of Bio Technology , Kumaraguru College of Technology , Coimbatore	12:57 PM - 1:07 PM



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Session No	2-E	Date and Time	24.07.2021- 10.00 am to 2.00pm
Theme	Textile Materials and its Properties I	Meeting Link	https://tinyurl.com/ud6acwbs
Name of the Chair Person	Dr.T.Palanirajan, Associate professor, Assistant director- Admissions, Fashion Technology, Vellore Institute of Technology, Chennai, Email ID; palanirajant@gmail.com,Ph: 9688562562	Name of the Co Chair Person	Dr.S.Sundaresan- ASP- TXT

Sl.No	Paper ID	Paper Title	Authors	Time
1	17	Investigating the effect of laundering on the polyester/cotton sewing thread mechanical properties	Ramesh Babu V (Kumaraguru College of Technology); Arunraj A (Kumaraguru College of Technology); Ariharasudhan S (Kumaraguru College of Technology); Chandrasekaran P (Kumaraguru College of Technology)	10.00 am to 10.20 am
2	18	Measurement of garment dimension based on switching median filter used in image processing	Ramesh Babu V (Kumaraguru College of Technology); Karunamoorthy B (Kumaraguru College Of Technology); Arunraj A (Kumaraguru College of Technology); Natarajan S (Kumaraguru College of Technology)	10.20 am to 10.40am
3	25	Eco friendly finishing of cotton fabric for mosquito repellency with Carica papaya	Rajkumar G (Kumaraguru College of Technology); Dhinakaran M (Kumaraguru College of Technology)	10.40am to 11.00 am
4	31	Comfort behavior of woven sheeting fabrics	Sundaresan S (Kumaraguru College of Technology); Arunraj A (Kumaraguru College of Technology); Chandrasekaran P (Kumaraguru College of Technology)	11.00 am to 11.20am
5	42	Effect of alkali pre-treatment on dyeing behavior of lyocell fabric	Dhinakaran M (Kumaraguru College of Technology); Ariharasudhan S (Kumaraguru College of Technology); Rajkumar G (Kumaraguru College of Technology); Thangeswaran P	11.20 am to 11.40 am

			(Kumaraguru College of Technology)	
6	48	Development of fluid absorption and wet back tester for absorbent pads	Sukanya Devi Ramachandran (Kumaraguru College of Technology)	11.40 am to 12.00pm
7	49	Adsorption of acid dyes from wastewater using azadirachta indica neem (leaf) biochar	Sukanya Devi Ramachandran (Kumaraguru College of Technology)	12.00pm to 12.20pm
8	50	Sound Absorption Behaviour of Hybrid Multilayer Coir Structure	Vaishnavi Muralidharan (Kumaraguru College of Technology)	12.20pm to 12.40pm
9	181	Study on Mechanical Properties of yarns manufactured for the Development of Reusable PPE for the Health care workers	Ramakrishnan govindan (Kumaraguru College of Technology); Subashini J M (Kumaraguru College of Technology)	12.40 to 1.00pm
10	33	Behavioral study of composite made from Sisal -Jute - kenaf yarn	Sundaresan S (Kumaraguru College of Technology); Arunraj A (Kumaraguru College of Technology); Chandrasekaran P (Kumaraguru College of Technology); Ariharasudhan S (Kumaraguru College of Technology)	1:00 PM to 1:20 PM



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Session No	3-A	Date and Time	24.7.2021 & 3:15 PM - 5:15 PM
Theme	Textile Materials and its Properties II	Meeting Link	https://tinyurl.com/3dt9r5uu
Name of the Chair Person	Dr. Veerakumar Arumugam Scientist, Institute for Sports Research, Nanyang Technological University, Singapore. Email: veerakumar27@gmail.com; Mobile: +6581606460	Name of the Co Chair Person	Dr.M.Saravanan- AP-I- TXT

Sl.No	Paper ID	Paper Title	Authors	Time
1	188	An Experimental work on high strength concrete with addition of sisal fibre	Nandhakumar P (Kumaraguru College of Technology); Sasikumar P (Kumaraguru College of technology)	3.15 - 3.30 PM
2	236	Design and development of bamboo fibre period clothing for differently abled women during Menstruation	Ramakrishnan Govindan (Kumaraguru College of Technology); Dikshika Maleni T (Kumaraguru college of Technology); Sahana N K (Kumaraguru college of Technology)	3.30 - 3.45 PM
3	250	Development of herbal doped Electrospunmat for Hemorrhoids	Dr.M.Saravanan M (Kumaraguru College of Technology)	3.45 - 4.00 PM
4	253	Water repellent cloth carry bags for Packaging applications	Dr.M.Saravanan M (Kumaraguru College of Technology)	4.00 - 4.15 PM
5	263	Performance analysis of modified shuttle mechanism in polymerized bag weaving circular loom	R. Raffik (Kumaraguru College of Technology)	4.15 - 4.30 PM
6	308	Electrochemical method of dyeing Cotton fabric using Direct dyes	Kalapriya K (KCT)	4.30 - 4.45 PM
7	347	Effect of natural fibers for disposable sweat pad applications	Krishnaveni Vasudevan (KCT, COIMBATORE)	4.45 - 5.00 PM
8	409	Development of fabric wrap for packaging in e-commerce as an alternative to plastic bubble sheet	Kavitha S (Kumaraguru College of Technology)	5.00 - 5.15 PM
9	40	Study of banana/cotton blended nonwoven fabric for lead and zinc adsorption	Dr.S.Ariharasudhan, Assistant Professor II, Department of Textile Technology, Kumaraguru College of Technology, Coimbatore - 641049. Mobile No.: 9894187236	5:15 - 5:30 PM

10	430	Synthesis of cellulose acetate, cellulose propionate and cellulose butyrate for the removal of synthetic dyes	Dr.P.Ramalingam, Professor, Dr.N.Saraswathi , Professor, Department of Bio technology , Kumaraguru college of Technology , Coimbatore	5:30 - 5:45 PM
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Session No	3-B	Date and Time	24.7.2021 & 3:15 PM - 5:00 PM
Theme	Composite Materials I	Meeting Link	https://tinyurl.com/3946z834
Name of the Chair Person	Dr. Rameshkumar Krishnaswamy, Professor , Amrita School of Engineering, Ph No:9994466457 Email Id:k_rameshkumar@cb.amrita.edu	Name of the Co Chair Person	Dr.T.Karuppusamy- AP-II-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	23	Experimental analysis of EDM parameters on machining Aluminium hybrid composites with Taguchi method	Bhaskar S (Kumaraguru College of Tech)*; Karuppusamy T (Kumaraguru College of Technology)	3:16 PM - 3:27 PM
2	34	Study on ageing behaviour of silicon carbide, graphite reinforced hybrid al6061 composites	Karuppusamy T (Kumaraguru College of Technology); Bhaskar S (Kumaraguru College of Tech)	3:28 PM - 3:39 PM
3	47	Design and development of hybrid composites for roofing applications	Chandrasekaran P (Kumaraguru College of Technology); Ariharasudhan S (Kumaraguru College of Technology); Ramesh Babu V (Kumaraguru College of Technology); Sundaresan S (KUMARAGURU COLLEGE OF TECHNOLOGY); Natarajan S (Kumaraguru College of Technology); Arunraj A (Kumaraguru College of Technology)	3:40 PM - 3:51 PM
4	58	Influence on Alumina, Graphite, And Red Mud Particle with Aluminium Hybrid Composites Materials for Automobile Brake Rotor Application	Rajesh S Sakthivel (Kumaraguru College of Technology); Velmurugan Chinnusamy (Kumaraguru College of Technology); Pradeep P Periasamy (Kumaraguru College of Technology); Suresh S Srinivasan (Kumaraguru College of Technology)	3:52 PM - 4:03 PM
5	72	Electrochemical behaviour of combined action of ageing treatment and rare earth additions on aluminum magnesium zinc cast alloy	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	4:04 PM - 4:15 PM
6	73	Influence of Cerium and Yttrium addition on Magnesium-Aluminum-Zinc cast alloy	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	4:16 PM - 4:27 PM
7	80	Investigation on input constraints of 6-Series-Aluminium Alloy TIG-welded Samples	Daniel Das (Karpagam Academy of Higher Education); Narenthiran B (Karpagam Academy of Higher Education); Vignesh R (Karpagam Academy of Higher Education)	4:28 PM - 4:39 PM

8	86	Machinability Study on Uncoated, Coated and Coated with Treated Tool in Turning of GFRP	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	4:40 PM - 4:51 PM
9	97	Investigations on strength properties of concrete with basalt fibre, filler materials and recycled aggregates	Ramadevi K (Kumaraguru College of Technology)	4:52 PM - 5:03 PM



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Session No	3-C	Date and Time	24.7.2021 & 3:15 PM - 5:00 PM
Theme	Composite Materials II	Meeting Link	https://tinyurl.com/4j8zty2p
Name of the Chair Person	Dr. Samrat Mukhopadhyay, Associate Professor, Department of Textile Technology, IIT Delhi. Email:	Name of the Co Chair Person	Dr.R.Priyadarshini- AP-II-FT

	samrat@textile.iitd.ac.in. Contact Number: (+91 11) 26591477		
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Sl.No	Paper ID	Paper Title	Authors	Time
1	106	Investigation of Lap Shear and Fatigue Properties of GLARE Composite with 3/4 and 5/4 Layup Sequences	Dr Karthik K (Coimbatore Institute of Technology); Muthuselvan S (Coimbatore Institute of Technology); Dhanush Y J (Coimbatore Institute of Technology); Vignesh M (Coimbatore Institute of Technology); Annamalai I (Coimbatore Institute of Technology)	3:16 PM - 3:27 PM
2	114	Analysis of composites laminates using MATLAB	Subramanyam Venkatachalam (Karunya Institute of Technology and Sciences); J. K. Joshi (Karunya Institute of Technology and Sciences); Nivethitha Charu (Karunya Institute of Technology and Sciences); Vijay Pooja (Karunya Institute of Technology and Sciences)	3:28 PM - 3:39 PM
3	140	Material selection of green natural fibers in polymer composite wall brick using six sigma - dmaic method	Muruganantham VR (Kumaraguru College of Technology); Devan P D (Kumaraguru college of Technology); Muraleedharan P (Karpagam College of Engineering)	3:40 PM - 3:51 PM
4	158	Investigating Joint Dynamic Parameter of Aluminium-Steel Composite Foam Based Redundant Delta Robot with Multiple Tool End Effector	Saravana Mohan M (Kumaraguru College of Technology); Samuel Ratna Kumar .P.S (Kumaraguru college of technology); Sikkandhar Thanish G (Kumaraguru College of Technology)	3:52 PM - 4:03 PM

5	169	Fabrication and Testing of Composites Made of Polyester Fibres from Waste Paint Brush Bristles and Reinforced with Epoxy	Naveen Kumar C (Kumaraguru College of Technology); Andrew Pon Abraham JD (Kumaraguru College of Technology); Shyam Pranesh S (Kumaraguru College of Technology); PRAVIN BABU G (Kumaraguru College of Technology); Dharineesh V M (Kumaraguru College of Technology)	4:04 PM - 4:15 PM
6	172	Investigation Of Material Properties Of Natural And Synthetic Fiber Hybrid Composite Material	Senthil Kumar M (Kumaraguru College of Technology); KOUSIK KUMAAR R (Nehru Institute of Engineering and Technology, Coimbatore)	4:16 PM - 4:27 PM
7	176	Physical, Mechanical, and Fracture Studies of Al6061-B4C MMCs	Ulhas Annigeri (Amrita School of Engineering, Bengaluru)	4:28 PM - 4:39 PM
8	177	Stacking Sequence Effect on Mechanical Properties of Basalt-Glass-Carbon Polyester Hybrid Composites	CHINNA MADDIAH (CMR Engineering College); P Ravikanth Raju (CVSR)	4:40 PM - 4:51 PM
9	204	Macromechanical and Water Absorption Properties of Composite Laminates with Novolac Resin and E-Glass/Sisal Fibers	Vivek Anand A (MLRIT); Velmurugan P (SRMSCE); Arvind Singh R (Kumaraguru College of Technology); Jayalakshmi S (Wenzhou University); Dr. K. Srinivasa Rao (MLR Institute of Technology); Premkumar PS (KCT)	4:52 PM - 5:03 PM
10	211	Prediction of Mechanical Behaviour of Aluminium 7075 Hybrid Metal Matrix Composites	Devan P D (Kumaraguru College of Technology); Muruganantham VR (Kumaraguru College of Technology); RAJKUMAR G (Kumaraguru College of Technology)	5:04 PM - 5:15 PM



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Session No	3-D	Date and Time	24.7.2021 & 3:15 PM - 5:00 PM
Theme	Composite Materials III	Meeting Link	https://tinyurl.com/y6trzdej
Name of the Chair Person	Dr.S.Usha, Assistant Professor, Department of Mechanical Engineering, Govt College of Technology, Coimbatore , E-mail: usha_s@gct.ac.in,ushapradeep24@gmail.com, Ph.No: 9952985974	Name of the Co Chair Person	Mr.P.D.Devan- AP-I-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	245	Experimental Investigation on Strength and Durability Aspects of Earthen Blocks Reinforced with Jute Fibres	Gayathri V (Kumaraguru College of Technology); Jesudass A (Sri Krishna College of Engineering and Technology)	3:15 PM - 3:25 PM
2	273	Design and Fabrication of Composite Shaft using Stir Casting Technique (MMC)	Raj Kumar G (Kumaraguru College of Technology); Sreekanth Sura (MLR Institute of Technology); Nagaraj Goud B (MLR Institute of Technology); Manideep B (MLR Institute of Technology)	3:26 PM - 3:36 PM
3	296	Friction surfacing of hybrid composites al7075-[b4c/TiC]	Gukendran R (Kongu engineering college); SANTHOSH Kumar S (Kongu engineering college)	3:37 PM - 3:47 PM
4	331	Mathematical modeling of machining performance during dry face milling of AA5052/tungsten carbide/graphite hybrid composite	D.S. Ebenezer Jacob Dhas (Karunya Institute of Technology and Sciences); C Velmurugan (Kumaraguru College of Technology); K Leo Dev Wins (Karunya Institute of Technology and Sciences); S Senthilkumaran (College of Engineering, Anna University); Sumanth Ratna Kandavalli (Karunya Institute of Technology and Sciences)	3:48 PM - 3:58 PM
5	339	Investigation and Analysis of Al 2024 Metal matrix Reinforced with chromium boride and chromium carbide particles	SenthilKannan Nachappan (Sri Ramakrishna Engineering College); Anbarasan Kandasamy (Sri Ramakrishna Engineering College); Jeeva Narayanasamy (Sri Ramakrishna Engineering College); Kalaiselvan Gopalan (Sri Ramakrishna Engineering College)	3:59 PM - 4:10 PM
6	358	An Experimental Study on Aluminium alloy AA6061 using Pneumatic Drilling Machine	Vinayagamoorthi M A (Kumaraguru College of Technology)	4:11 PM - 4:21 PM
7	369	Mechanical properties and microstructural characterisation of al-5083 mechanically alloyed powders consolidated through ecap process	G. Flora (St. Mary's College (Autonomous)); Surendarnath S (2Department of Mechanical Engineering, Sri Venkateswara College of Engineering & Technology(A), Chittoor - 517 127. Andhra Pradesh)	4:22 PM - 4:32 PM

8	353	Design and fabrication of muffler using natural fiber	T. Karthik , K .Murugesan Assistant Professor Automobile Technology Kumaraguru College of Technology Coimbatore - 641 049	4:33 PM - 4:43 PM
9	257	Effect of b4c particle reinforcement on tensile properties of al7075/b4c composites	Dr.K.Krishnamoorthi (Kumaraguru College of Technology) , Dr.V.Manivel Muralidharan (Kumaraguru College of Technology) , Dr.A.P.Arun (Kumaraguru College of Technology)	4:44 PM - 4:54 PM



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Session No	3-E	Date and Time	24.7.2021 & 3:15 PM - 5:00 PM
Theme	Advanced Materials I	Meeting Link	https://tinyurl.com/4a6pvj9m
Name of the Chair Person	Dr.T.Venkatachalam Professor, Department of Physics Coimbatore Institute of Technology Coimbatore. E.Mail: atvenkatachalam@cit.edu.in Ph.No. 9363155036	Name of the Co Chair Person	Dr.R.G.Sethuraman- AP-II- SFS

Sl.No	Paper ID	Paper Title	Authors	Time
1	79	Growth, thermal and optical properties of r-2,c-6-bis (4-methylphenyl)- c-3,t-3-dimethylpiperidin-4-one – A new class of organic NLO material	Ponnuswamy S (Government Arts College(A), Coimbatore - 18); Karthik K (Kumaraguru College of Technology, Coimbatore); Mohanraj V (Manonmaniam sundaranar university constituent college, Kanyakumari-629 701); Ilango S S (Government Arts College (A), Coimbatore - 18)	3:15 to 3:24 pm
2	100	Characterization Of Hydroxyapatite Synthesized From Paper Mill Sludge	Geetha Karthi A (Kumaraguru College of Technology)	3:24 to 3:33 pm
3	111	A quantum chemical analysis of an Organic Compound: 3,5-Bis (4-hydroxy phenyl)-2,4,6-trimethyl cyclohexanone	Shobhana E (Kumaraguru College of Technology)	3:33 to 3:42 pm
4	120	Growth and studies of (E)-N'-(5-bromo-2-hydroxy-benzyl)-idene) nicotine hydrazide monohydrate (ENBHNHM) crystals	Mayildurai R (Kumaraguru College of Technology)	3:42 to 3:51 pm
5	170	Hirshfeld surface analysis of 2-amino-6-methyl pyridinium barbiturate tetrahydrate organic single crystal	Nithya S (Kumaraguru College of Technology)	3:51 to 4:00 pm
6	171	Theoretical investigations on HOMO-LUMO, NBO analysis and first-order hyperpolarizability calculations of 2-amino-6-methyl pyridinium barbiturate tetrahydrate organic single crystal	Nithya S (Kumaraguru College of Technology)	4:00 to 4:09 pm
7	195	Analysis of IR and Raman Spectra of Isatin	Vidhya P (Karpagam Institute of Technology); Petchiammal M (Karpagam Institute of Technology); Rathinam R (Sri Eshwar College of Engineering)	4:09 to 4:18 pm
8	213	A Study of Oxidation Kinetics Mechanism of Maleic Mono p-Methyl Aniline (MMA) by N- Chloro-3- Methyl	Rathidevi K (Kumaraguru College of Technology)	4:18 to 4:27 pm

		-2,6 Diphenyl piperidine-4-one (NCP) in the presence of ethanol medium		
9	218	Capacitive utilization of aqueous 2-amino-2-methyl-1-propanol (AMP) and methyl diethanolamine (MDEA) for CO ₂ capture with piperazine (PZ)	Anoar Ali Khan (Vignan's Foundation for Science, Technology & Research); Gopi Nath Halder (National Institute of Technology, Durgapur); Asit K Saha (Haldia Institute of Technology)	4:27 to 4: 36 pm
10	229	Analysis of Physio-Chemical Properties of Solution Grown Third Order Nonlinear Optical Single Crystal :1,4 Oxazinium nitrate for Photonic applications	Arul Haribabu (Kumaraguru College of Technology (Autonomous)); Karthika K (Kumaraguru College of Technology, Coimbatore); Dr Kannan R (Kumaraguru College of Technology (KCT)); Rachaaga Prabhaa (Kumaraguru College of Technology)	4:36 to 4:45 pm
11	242	Studies on Nucleation kinetics and Growth Aspects of Solution Grown Nonlinear Optical Single Crystal: 2-Carboxypyridinium maleate (2-CM)	Arul Haribabu (Kumaraguru College of Technology (Autonomous)); Lakshmi Priya M (Vels Institute of Science Technology and Advanced Studies); Gowrishankar M (, Sri Venkateswara College of Engineering and Technology)	4:45 to 4:54 pm



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Details of Technical Sessions Schedule

Session No	4-A	Date and Time	25.7.2021 & 10:45 AM - 1:00 PM
Theme	Advanced Materials II	Meeting Link	https://tinyurl.com/5fcrvbjd
Name of the Chair Person	Dr. S. Suresh Kumar Associate Professor Department of Mechanical Engineering Kalasalingam Academy of Research and Education (KARE) Srivilliputtur, sureshme48@gmail.com,9894665963	Name of the Co Chair Person	Dr.M.Rameshkumar- AP-I-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	307	Evaluation of Electrochemical Performance of Zirconia and Stabilized	Mohandoss S (Rajalakshmi Engineering College)	10:45 AM - 10:57 AM

		Ziconia Based Composite Coating on 316L SS for Dental Applications		
2	317	Molecular Structural Characterization and Computational Studies of 8-hydroxyquinolinium 4-chloro-3-nitrobenzoate 4-chloro-3-nitrobenzoic acid – An Organic Crystal	Dineshkumar Ganeshan (Gobi Arts & Science College); Amirthaganesan G (SRMV College of Arts and Science)	10:58 AM - 11:10 AM
3	320	Photon, Electron, Proton and Alpha Particle Interaction Parameters of Different Clays	Parvathi Vasudevan (CHRIST(Deemed to Be University)); Bubbly Gudennavar (Christ University); Shivappa B Gudennavar (CHRIST (Deemed to be University), Bengaluru))	11:11 AM - 11:23 AM
4	334	Ethoxy Salal - Phenyl Thiosemicazone Complexes of Ruthenium(II): Synthesis and Characterization	Dr Sampath K (Kumaraguru College of Technology (KCT)); Anusha K (Kumaraguru College of Technology (KCT))	11:24 AM - 11:36 AM
5	338	Static Analysis of Conventional Aircraft Fuselage with Different Materials	Raj Kumar G (Kumaraguru College of Technology); K Veeranjanyulu (NA); Sravanthi G (MLR Institute of Technology); Surya Kiran K (MLR Institute of Technology); Khushal K (MLR Institute of Technology)	11:37 AM - 11:48 AM
6	340	Computational-elemental calculations, structural-computational effectiveness and bio utility of the α phenyl-4'-(diphenylamino)stilbene(apdpas) crystalline samples of versatile scalings	Dr SENTHILKANNAN . K (DIRECTOR R&D EDAYATHANGUDY GS PILLAY ARTS& SCIENCE COLLEGE NAGAPATTINAM 611002)*	11:49 AM - 12:01 PM
7	341	Density Functional Theoretical studies for quadrupole and octapole moments, field analysis by theoretical interactions by softwares and anti-diabetic (AD), anti-oxidant (AO) bio-pharma properties of the DLA Crystals	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	12:02 PM - 12:14 PM
8	342	Growth, computational-structure, XRD data and biological studies of 2-Amino-4-methylpyridinium 4-hydroxybenzoate (AMPHB) crystals	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	12:15 PM - 12:27 PM

9	344	Simulation, computational sort by using coding, software for structure and for reckoning energy, force field, interactions of carbon nano tubes - CNTs	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	12:28 PM - 12:40 PM
10	345	Growth, computation-structure-elucidation, anti-diabetic use of 1,4-Bis(2-nitro-benz-yl)piperazine(BNBPP) macro, nano crystals	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	12:41 PM - 12:53 PM
11	349	Growth, Structural, Elemental, Fluorescence and Optical analysis of Inosine (IE) Organic Crystals	Ashokkumar R (Kumaraguru College of Technology)*; Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002); Divya R (S.T. Hindu College, Nagercoil); Meena M (S.T. Hindu College, Nagercoil); Patel RP (, Guru Ghasidas Vishwavidyalaya, Bilsapur); Vimalan M (Thirumalai Engineering College, Kanchipuram)	12:54 PM - 1:06 PM



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Session No	4-B	Date and Time	25.7.2021 & 10:45 AM - 1:00 PM
Theme	Advanced Materials III	Meeting Link	https://tinyurl.com/k9d3z736
Name of the Chair Person	Dr.K.Balaji, Department of Chemistry , PSG Institute of Technology & Applied Research. E mail:balaji@psgitech.ac.in Ph.No: 9865118037	Name of the Co Chair Person	Dr.R.Mahalakshmi- AP-II- SFS

Sl.No	Paper ID	Paper Title	Authors	Time
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1	350	Enactment by computational-structural and by the experimental studies of 2-hydroxyimino-2-(pyridin-2-yl)-N'- [1-(Pyridin-2-yl) ethylidene] acetohydrazide – HIPYPYEAH crystalline specimen	Ashokkumar R (Kumaraguru College of Technology)*; Dr Senthilkannan . K (Director R&D Edayathangudy GS pillay arts& science college Nagapattinam 611002); Rajkumar M (Kalasalingam Academy of Research and Education, Krishnankoil); Jessie Fernando (St. Mary's College (Autonomous) Thoothukudi); Divya R (S.T. Hindu College, Nagercoil); Saravanan P (Arignar Anna Government Arts College, Cheyyar); Hari Krishna P (Medi-Caps University, Indore)	10:45 AM - 10:58 AM
2	359	Experimental and Computational Structural cum Fatigue Data Investigations on Various Lightweight Materials under Tensile Load	Malavika M (Kumaraguru College of Technology); Benin B Oliver (Kumaraguru College of Technology); Hariharan A (Kumaraguru College of Technology); Vineethkrishna U (Kumaraguru College of Technology); Raj Kumar G (Kumaraguru College of Technology); Balasubramanian Shanmugam (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology)	10:59 AM - 11:12 AM
3	363	Extension of plus circle compo in symmetric group sn	G. Flora (St. Mary's College (Autonomous)); Uma Maheswari V (St. Mary's College (Autonomous) , Thoothukudi)	11:13 AM - 11:26 AM
4	364	On generalized* beta closed sets in tri topological spaces	G. Flora (St. Mary's College (Autonomous)); Sujitha H (St. Mary's College (Autonomous), Thoothukudi-628001, TamilNadu)	11:27 AM - 11:40 AM
5	366	Eggshell derived calcium oxide – synthesis and characterization	G. Flora (St. Mary's College (Autonomous)); R Nagalakshmi (Department of Chemistry Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai); M Kalpana (Department of Chemistry Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai)	11:41 AM - 11:54 AM
6	390	Bio utility and structural enrichment of diethylammonium diethyldithiocarbamate (dadctc) macro and nano scaled crystals	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	11:55 AM - 12:08 PM

7	391	Anti-inflammatory activity of Ipam nano crystals and hirshfeld impact on crystals	Dr Senthilkannan . K (Director R&D Edayathangudy Gs Pillay Arts& Science College Nagapattinam 611002)	12:09 PM - 12:22 PM
8	426	Opto electronic filter effectiveness by influx of macro, thin film and nano scalings stress analysis of trapezoidal and spiral coated device characterizations of Eu ²⁺ doped barium hexafluorosilicate (BaSiF ₆ :Eu ²⁺) phosphors	Dr SenthilKannan . K (Director R&D Edayathangudy gs pillay arts& science college nagapattinam 611002); Jessie Fernando (St.Mary's college); Padmavathi P (St.Mary's college)	12:23 PM - 12:36 PM
9	443	Ethoxy Salal - Phenyl Thiosemicazone Complexes of Ruthenium(III): Synthesis and Characterization	Dr Sampath K (Kumaraguru College of Technology (KCT)); Mathan Kumar M (Kumaraguru College of Technology)	12:37 PM - 12:50 PM
10	448	Solid State Reactions of Oxohalates in Presence of Chromium (III) Carbide and a Comparative Study on the Effect of Cr, Cr ₂ O ₃ and Chromium (III) Carbide on the Thermal Decomposition of Oxohalates	Shoba U S (Kumaraguru College of Technology)	12:51 PM - 1:04 PM



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Session No	4-C	Date and Time	25.7.2021 & 10:45 AM - 1:00 PM
Theme	Materials and Optimization I	Meeting Link	https://bit.ly/2Vubz9a
Name of the Chair Person	Dr.S.Senthilkumaran Associate professor, Department of Mechanical Engineering, Guindy Campus, Anna University, Chennai. metrosenk@annauniv.edu Ph: 9940645460	Name of the Co Chair Person	Dr.K.K.Arun- AP-III-Mech

Sl.No	Paper ID	Paper Title	Authors	Time
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1	1	Finite Element Analysis of Light Motor Vehicle Subframe for Mass Optimization	Shreeshail M L (KLE Technological University); Santosh Billur (KLE Technological University); Giresha R. Chalageri (KLE Technological University); Raju G. U. (KLE Technological University); Krishnaraja G. Kodancha (KLE Technological University); Basavaraj Kotturshettar (KLE Technological University)	10:45 AM - 10:56 AM
2	8	Optimization of GMAW control factors over weld bead parameters of AA 6351 material using Taguchi L16 Orthogonal Array	Sreeharan B N (Kumaraguru College of Technology); Kannan T (SVS College of Engineering); Nitheeshwar R K (Kumaraguru College of Technology); Aswin Baalaje R (Kumaraguru College of Technology)	10:57 AM - 11:07 AM
3	12	A study on influencing process parameter on product quality	Mohan kumar R S (Kumaraguru College of Technology)	11:08 AM - 11:19 AM
4	29	Numerical Investigation of Resonance on Aircraft Wing by using Advanced Computational Methodologies	Naveen Kumar K (Kumaraguru College of Technology); Rajkumar R (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology); Raj Kumar G (Kumaraguru College of Technology); Senthil Kumar M (Kumaraguru College of Technology); Arul Prakash R (Kumaraguru College of Technology)	11:20 AM - 11:31 AM
5	30	Optimization of mechanical properties of silk/wool hybrid fibre composites using Box Behnken experimental design	Rajkumar G (Kumaraguru College of Technology)	11:32 AM - 11:43 AM
6	55	A Simple Model to Correlate the Solubility of thermolabile Solids in Supercritical Fluids	Anitha N (KCT, Coimbatore); Dr.Chandrasekhar Garlapati (Puducherry Technological University)	11:44 AM - 11:55 AM
7	56	A Statistical Analysis of Solubility Models Employed in Supercritical Carbon Dioxide	Anitha N (KCT, Coimbatore); Dr.Chandrasekhar Garlapati (Puducherry Technological University)	11:56 AM - 12:07 PM
8	60	Numerical Analysis of Buoyancy Driven Heat Transfer Control in a Square Enclosure with High Viscosity Materials	Sundararaj Kandasamy (Kumaraguru College of Technology)	12:08 PM - 12:19 PM

9	70	Influence of FSW Parameters on Aluminium Alloy Samples using L16 Taguchi Approach	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	12:20 PM - 12:31 PM
10	71	Investigation of Hardness values on friction welding technique of AA - defense grade materials using Full Factorial Approach	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	12:32 PM - 12:43 PM
11	74	Influence of Tool Geometry on Tool Wear in Turning of EN24 Steel by using GRA and RSM	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	12:44 PM - 12:55 PM
12	36	Cutting Process Parameter Optimization of CF8M Steel	Dr B.N.Sreeharan (Kumaraguru College of Technology)	12:56 PM - 1:07 PM



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Session No	4-D	Date and Time	25.7.2021 & 10:45 AM - 1:00 PM
Theme	Material and Product Optimization II	Meeting Link	https://bit.ly/3hVwTvP
Name of the Chair Person	Dr.K.Mani,Principal And Professorof Mechanical Engineering, Panimalar Engineering College, Email:	Name of the Co Chair Person	Dr.K.M.Senthilkumar-ASP-Mech

	manipanimalar@gmail.com Ph:9994156513		
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Sl.No	Paper ID	Paper Title	Authors	Time
1	75	A Study on Mesoscopic Modelling of Concrete	Daniel Das (Karpagam Academy of Higher Education); Manivannan S (Karpagam Academy of Higher Education)	10:45 AM - 10:57 AM
2	77	Investigation on Dimple Inspired Mitigation of Aerodynamic Drag of Intercity Bus	Vijayanandh R (Kumaraguru College of Technology); Senthil Kumar M (Kumaraguru College of Technology); Arul Prakash R (Kumaraguru College of Technology); Naveen Kumar K (Kumaraguru College of Technology); Raj Kumar G (Kumaraguru College of Technology); Vijayakumar M (Kumaraguru College of Technology)	10:58 AM - 11:10 AM
3	81	Parametric Evaluation of AA6063 TIG welded samples using Taguchi Method	Daniel Das (Karpagam Academy of Higher Education); Narenthiran B (Karpagam Academy of Higher Education); Vignesh R (Karpagam Academy of Higher Education)	11:11 AM - 11:23 AM
4	107	Optimization Of Process Parameters Using Central Composite Design And Taguchi Method To Improve Hardness In Eni-B Coatings: A Comparative Approach	Vijayanand Manickam (Annamalai University); Varahamoorthi R (Annamalai University); Kumardas P (University of Technology and Applies Sciences - SALALAH)	11:24 AM - 11:36 AM
5	110	Computational analysis of an organic nonlinear optical material: 8-hydroxyquinolinium trichloroacetate (8HQTC)	Shobhana E (Kumaraguru College of Technology)	11:37 AM - 11:48 AM
6	117	Numerical study of Leading-edge defect on the Aerodynamic characteristics	Premkumar PS (KCT); Sureshmohan M (Altran); Jeevan kumar (Altran)	11:49 AM - 12:01 PM
7	152	An Investigation on Selection and Validation of Suitable Material to A Roller of An Automated Solar Panel Cleaning System Using DEAR Algorithm	Sreeharan B N (Kumaraguru College of Technology); Kishore Ganesan (Kumaraguru College of Technology); Rajeswaran K S (Kumaraguru College of Technology); Mugunth Subash (Kumaraguru College of Technology)	12:02 PM - 12:14 PM

8	160	Application of DEAR Algorithm in selection of material for making a flexible fixture for ATV Control Arms	Sreeharan B N (Kumaraguru College of Technology); Yashwanth P (Kumaraguru College of Technology); Bala Kumaresh T (Kumaraguru College of Technology); Krishnakanth C K (Kumaraguru College of Technology)	12:15 PM - 12:27 PM
9	167	Investigation of Optimum Machining Parameters in Milling Machine by Using Taguchi Method	Fergina Khan Magdalene D (kumaraguru college of technology); Arun KK (kumaraguru college of technology); Senthilkumar KM (kumaraguru college of technology)	12:28 PM - 12:40 PM
10	173	PERFORMANCE OPTIMIZATION OF CONVERGENT - DIVERGENT NOZZLE UNDER DIFFERENT INLET CONDITIONS	Senthil Kumar M (Kumaraguru College of Technology); KOUSIK KUMAAR R (Nehru Institute of Engineering and Technology, Coimbatore)	12:41 PM - 12:53 PM
11	185	Response Surface Modeling and Optimization of Malachite Green Dye Removal Using Novel Herbal Bio sorbent as an Efficient Biomatrix Source	Mahalakshmi rajagopal (KCT)	12:54 PM - 1:06 PM



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Session No	4-E	Date and Time	25-07-2021 & 10.45 AM to 1.00 PM
Theme	Material and Product Optimization III	Meeting Link	https://tinyurl.com/3dpanhb6
Name of the Chair Person	Dr M S Aezhisai Vallavi - Assistant Professor, Department of Mechanical Engineering, Government College of Technology,	Name of the Co Chair Person	Dr.V.R.Muruganantham- ASP-Mech

Coimbatore - 641013, Mail : vallavims@gct.ac.in, Mobile - 8072298108		
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Sl.No	Paper ID	Paper Title	Authors	Time
1	196	Material and Cross Sectional Shape Optimizations on Polymer Matrix Composites through Computational Structural Analysis under Crippling Load	Raj Kumar G (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology); Naveen Kumar K (Kumaraguru College of Technology); Arul Prakash R (Kumaraguru College of Technology); Senthil Kumar M (Kumaraguru College of Technology); Sabarish Prabhu N (Kumaraguru College of Technology); Abinaya K (Kumaraguru College of Technology)	10:45 AM - 10:57 AM
2	198	Optimization of Squeeze Casting for the Green Composite Production	K.Saravanan, (Research Scholar, KCT), Muthukumaran V (Professor, Kumaraguru College of Technology)	10:58 AM - 11:10 AM
3	202	Interpretive Structural Modelling Approach: Implementation of Sustainability Concept and Lean in Aerospace Sectors	Vivek Anand A (MLRIT); Sivaraj G (BIT); Velmurugan P (SRMSCE); Dr. K. Srinivasa Rao (MLR Institute of Technology); Muhammed Anaz Khan (MLRIT); Premkumar PS (KCT)	11:11 AM - 11:23 AM
4	224	Optimization of Process Condition of Nanostructured Nickel Coating Using Partial Factorial Design	Dr. Kannan R (Kumaraguru College of technology); Nivetha G (Kumaraguru College of Technology)	11:24 AM - 11:36 AM
5	237	Comparative Numerical Investigations on Aerodynamic Performance of Plain Flaps using CFD for Fixed-Wing UAVs	Senthil Kumar M (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology); Arul Prakash R (Kumaraguru College of Technology); DARSHAN KUMAR JAYARAM (KUMARAGURU COLLEGE OF TECHNOLOGY); Vijayakumar M (Kumaraguru College of Technology); Rajkumar R (Kumaraguru College of Technology)	11:37 AM - 11:48 AM

6	247	Design and Performance Investigations on UAV's Convergent-Divergent Nozzle through Validated Computational Aerodynamic Simulation	Arul Prakash R (Kumaraguru College of Technology); Senthil Kumar M (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology); Naveen Kumar K (Kumaraguru College of Technology)	11:49 AM - 12:01 PM
7	249	Structural Optimization for Gravitational Vortex Hydropower's Rotor through Hydro-Structural Interaction [HSI] Analysis	Arul Prakash R (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology); Naveen Kumar K (Kumaraguru College of Technology); Raj Kumar G (Kumaraguru College of Technology); Senthil Kumar M (Kumaraguru College of Technology); Dharshini K M (Kumaraguru College of Technology); Sangeetha G (Kumaraguru College of Technology)	12:02 PM - 12:14 PM
8	255	Numerical Analysis on the Effect of Rotating Cylinder over the Symmetrical Airfoil	Premkumar PS (KCT); Nadaraja Pillai S (SASTRA University); Karthick Murugesan (BETA CAE systems); Sai saravanan A (KCT); shankara narayanan (KCT); Ashwin Adhithya (KCT); Nandha gopal (KCT)	12:15 PM - 12:27 PM
9	259	Structural Optimization of advanced Carbon Fiber Reinforced Polymers under Flexural Load through Finite Element Analysis	Sivaguru M (Kumaraguru College of Technology); Sudharsan R (Kumaraguru College of Technology); Indira Prasanth S (Kumaraguru College of Technology); Kesavan K (Kumaraguru College of Technology); Kiran P (Kumaraguru College of Technology); Raj Kumar G (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology)	12:28 PM - 12:40 PM
10	260	Comparative Aerodynamic Investigations on the Thrust Enhancement System of the Gas Turbine Engine using CFD	Senthil Kumar M (Kumaraguru College of Technology); Vijayanandh R (Kumaraguru College of Technology); Arul Prakash R (Kumaraguru College of Technology); Naveen Kumar K (Kumaraguru College of Technology); Kesavan K (Kumaraguru College of Technology); Indira Prasanth S (Kumaraguru College of Technology); Vijayakumar M (Kumaraguru College of Technology)	12:41 PM - 12:53 PM

11	262	Material Optimization of a Contra – Rotating propeller for a Rotary Wing Unmanned Aerial Vehicle	Vijayanandh R (Kumaraguru College of Technology); Naveen Kumar K (Kumaraguru College of Technology); Raj Kumar G (Kumaraguru College of Technology); Arul Prakash R (Kumaraguru College of Technology); Senthil Kumar M (Kumaraguru College of Technology); Indira Prasanth S (Kumaraguru College of Technology); Kesavan K (Kumaraguru College of Technology)	12:54 PM - 1:06 PM
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**International Conference on Materials Research in Science and Engineering (KMRSE'21)
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Details of Technical Sessions Schedule

Session No	5-A	Date and Time	25.7.2021 & 2:00 PM - 3:45 PM
Theme	Material and Product Optimization IV	Meeting Link	https://tinyurl.com/f6s25e3f
Name of the Chair Person	Dr.G. Suganya Priyadharshini,CIT,CBE	Name of the Co Chair Person	Dr.M.Thirumalaimuthukumar- AP-II- Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	276	Optimization of TIG welding parameters using statistical methods to improve the properties of stainless steel – SS304	BINNU KURIAN MATHEW (Anna University); Velmurugan Chinnusamy (Kumaraguru College of Technology)	2:00 PM - 2:09 PM
2	294	CFDGAN: A Generative Adversarial Network For Flow Approximation	Aagashram N (St. Joseph's Institute of Technology)	2:10 PM - 2:19 PM
3	382	Numerical Investigation on the effect of Rear wing on Aerodynamic performance of Racecar	SIVAKUMAR S (Kumaraguru College of Technology); Satish S (Kumaraguru College of Technology); Mohankumar S (Kumaraguru College of Technology); Adhithyan C S (Kumaraguru College of Technology); Pavithra Murugesh (Kumaraguru College of Technology)	2:20 PM - 2:29 PM
4	388	Statistical Optimization of Media Composition for Synthesis of Bacterial Cellulose Nanoparticles	Sivarajasekar Natesan (Kumaraguru College of technology, Coimbatore)	2:30 PM - 2:39 PM
5	406	Achromatic Number Based Modeling of Some Ladder Graphs	THILAGAVATHY KP Subramaniam (Kumaraguru College of Technology)	2:40 PM - 2:49 PM
6	412	Topological Modelling of Comb Graph in Terms of Order	Vijeta Iyer (Kumaraguru College of Technology)	2:50 PM - 2:59 PM
7	413	Topological Modelling of Helm Graph in Terms of Order	Vijeta Iyer (Kumaraguru College of Technology); Santha A. (Kumaraguru College of Technology)	3:00 PM - 3:09 PM
8	415	Results on Order with Respect to Incidence Topology- Modelling of Path Graph	Santha A. (Kumaraguru College of Technology); Vijeta Iyer (Kumaraguru College of Technology)	3:10 PM - 3:19 PM

9	416	Incidence Topological Modelling of Star Graph Based on Order of Vertices and Edges	Santha A. (Kumaraguru College of Technology); Vijeta Iyer (Kumaraguru College of Technology)	3:20 PM - 3:29 PM
10	437	Experimental Investigation on Turning Process Parameters for AA7075 by Taguchi's Orthogonal Array	Thirumuruga veerakumar sundaram (kumaraguru college of technology)	3:30 PM - 3:39 PM
11	392	Response Surface Methodology Optimization for extraction of pectin from waste rinds of Citrus medica	Dr. N. Sivarajasekar, Dept. Of Biotechnology, KCT, CBE- 49 sivarajasekar.n.bt@kct.ac.in 9597436327	3:40 PM - 3:49 PM
12	395	Process Simulation and Optimization of Marginal-Scale Xylanase Production	Dr. Ram K Assistant Professor -II, Department of Biotechnology Kumaraguru College of Technology, Coimbatore	3:50 PM - 3:59 PM



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Details of Technical Sessions Schedule

Session No	5 B	Date and Time	25.07.2021 2.00 PM -3.45 PM
Theme	Advanced Material Technology - I	Meeting Link	https://tinyurl.com/buyzknpc
Name of the Chair Person	Dr.V.Hariharan, Professor, Department of Mechanical Engineering, Kongu Engineering College, Erode.	Name of the Co Chair Person	Mr.Mohankumar R.S - AP - I ,Mechanical

	hariharan@kongu.ac.in, Mobile : 8056921269		
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Sl.No	Paper ID	Paper Title	Authors	Time
1	59	Ship Detection Using High Resolution Remote Sensing Image	Joshila L.K Grace (Sathyabama Institute of Science and Technology)	2:00 PM - 2:10 PM
2	123	A Study On Influence Of Partial Replacement Of Bitumen By Low Density Polyethylene	S.D.Anitha Selvasofia (Sri Ramakrishna Engineering College); Sarath Babu S (Sri Ramakrishna Engineering College)	2:11 PM - 2:21 PM
3	254	Design and Analysis of 2-kW Straight Bladed Vertical Axis Wind Turbine	Vetrivel M (KCIRI); Balaji K (KCIRI); Premkumar PS (KCT); Muthukumar S (KCT)	2:22 PM - 2:32 PM
4	264	Numerical Investigation of Supersonic flow past circular cross-section bodies	Sai Prakash (MLRT); Naveed MB (MLRT); Shivam D (MLRT); Chandrashekhar S (MLRT); Hrithik P (MLRT); Premkumar PS (KCT)	2:33 PM - 2:43 PM
5	265	Design and Structural Analysis of an Aircraft Landing Gear strut under Static Loading Condition	Nagaraj Goud B (MLR Institute of Technology); Naveen Kumar K (Kumaraguru College of Technology); Sreekanth Sura (MLR Institute of Technology); Srikanth M (MLR Institute of Technology)	2:44 PM - 2:54 PM
6	268	Design and Fabrication of Semi-Automatic Child Retraction Mechanism from Bore Well	Arunkumar K (MLR Institute of Technology); Kumaran T (Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology); Sravanthi G (MLR Institute of Technology); Vijayanandh R (Kumaraguru College of Technology)	2:55 PM - 3:05 PM
7	270	Buckling analysis of thin walled C-Section	Selvambikai M (Kumaraguru College of Technology)	3:06 PM - 3:16 PM

8	271	Load Study and Analysis of Shaft of Micro Tunnel Boring Machine	Kiruthika Subramanian (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology); Raghul S (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology); Sam Vimal Kumar S (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology)	3:17 PM - 3:27 PM
9	274	Elastic Flexural Buckling Of Thin Walled Zig-Zag Flanged Section	Dr. Kannan R (Kumaraguru College of technology); Mahesh kumar D (MLR Institute of Technology, Hyderabad.)	3:28 PM - 3:38 PM
10	289	Design And Deformation Analysis Of Multi- Spindle Drilling Head Parts.	Joel Josheph (RMK college of engineering and technology); Deric Mario Tony (RMK college of engineering and technology); Badrinath R (RMK college of engineering and technology)	3:39 PM - 3:49 PM



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Session No	5 C	Date and Time	25/07/2021 , 2:00 PM - 3:45 PM
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Theme	Advanced Material Technology - II	Meeting Link	https://tinyurl.com/vcpume75
Name of the Chair Person	Dr. M. Govindaraju, Assistant Professor, Amrita School of Engineering, Amrita Vishwa Vidya Peedam, Ettimadai, Coimbatore. Email : m_govindaraju@ch.amrita.edu, Cell : 7207359461, 8668055931	Name of the Co Chair Person	Dr. V. Manivel Muralidharan, AP-I Mech

Sl.No	Paper ID	Paper Title	Authors	Time
1	318	Computational Study of Slotted Winglets on Aircraft Wings	Arun Krishna (KCT); Veda Shraviya S (KCT); Mary Elizabeth Lampny KJ (KCT); Premkumar PS (KCT); Dominic Chandar (Queen's University)	2:00 PM - 2:12 PM
2	319	Design and Analysis of Portable Pedal Operated Pepper Thresher	K ULAGANATHAN (Kumaraguru College of Technology)	2:13 PM - 2:25 PM
3	329	Conceptual Design of Tailless Mini Copter	Madhavi N (MLR Institute of Technology); Harsha Vardhan K (MLR Institute of Technology); Siddhanth Thakuri (MLR Institute of Technology); Akhil Goud B (MLR Institute of Technology); Shivam Dubey (MLR Institute of Technology); Rajendar U (MLR Institute of Technology);	2:26 PM - 2:38 PM

			Vijayanandh R (Kumaraguru College of Technology)	
4	417	Study of Laser Speckle Stack Images in Velocimetry	SUGANDHI K (Kumaraguru College of Technology); Balamurugan R Rajamanickam (Kumaraguru College Of Technology); Rathina K (Kumaraguru College Of Technology); Sethuraman Rg (Kumaraguru College Of Technology); Arul Ar (Kumaraguru College Of Technology)	2:39 PM - 2:51 PM
5	90	Exploring the Efficacy of Nano fluid (Al ₂ O ₃) Based Battery Thermal Management System using CFD	Dr.S.Sivakumar, Assistant Professor-III, Department of Mechanical Engineering, Kumaraguru college of Technology, Coimbatore-641049. Mobile No: 9940415348	2:52 PM - 3:04 PM
6	365	Edge Detour Global Domination In Some Wheel Related Graphs	Ferdina A, Research Scholar (Register Number: 19122212092006), Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi - 628 001, Tamil Nadu, India. Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli - 627 012, Tamil Nadu, India, Contact Number: 07358811325	3:05 PM - 3:17 PM

7	423	Effect of Ferromagnetic and Diamagnetic Coil Materials on a Wireless Energy Transfer System	S.Sivakumar (Kumaraguru College of Technology) , N.Mokisnayagam (Kumaraguru College of Technology) ,G.Sritharan (Kumaraguru College of Technology) ,A.Guhan (Kumaraguru College of Technology)	3:18 PM - 3:30 PM
8	357	An Experimental Investigation On Mechanical Properties of Aluminium-7075 Based Graphite and Bagasse Ash Particles Reinforced Metal Matrix Composite	BINNU KURIAN MATHEW (Anna University); Dr.S. Thirugnanam (Valliammai Engineering College); Velmurugan Chinnusamy (Kumaraguru College of Technology)	3:31 PM- 3.43 PM
9	393	A Practical Study On Mechanical Characteristics of Al6061-Ash-SiC Metal Matrix Composites	BINNU KURIAN MATHEW (Anna University); Dr.S. Thirugnanam (Valliammai Engineering College); Velmurugan Chinnusamy (Kumaraguru College of Technology)	3.44 PM- 3.56 PM



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Session No	5 D	Date and Time	25/07/2021 , 2:00 PM - 3:45 PM
Theme	Automotive Technology	Meeting Link	https://tinyurl.com/9baxfd27
Name of the Chair Person	Dr.S.Jenorish Muthiya,Assistant Professor,Department of Automobile Engineering, Dayananda Sagar College of Engineering, Karnataka, Bengaluru Mail id:jenoris.555@gmail.com Mobil no:9094411654	Name of the Co Chair Person	Dr.S.Mohankumar-AP-I- Auto

Sl.No	Paper ID	Paper Title	Authors	Time
1	57	Design and Validation of dynamic characteristics of vibration of test fixture for automobile application	Sam Vimal Kumar S (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology); Kiruthika Subramanian (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru Colege of Technology); Dr. Sangeetha N (Kumaraguru College of Technology); Senthamaraikannan K C (PRICOL CORPORATE SERVICES LIMITED)	2:00 PM - 2:15 PM

2	88	Bolted Joint Analysis of a Locomotive Axle Mounted Disc Brake	Sam Vimal Kumar S (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology); Kiruthika Subramanian (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology); Raghul S (Kumaraguru Centre for Industrial Research and Innovation, Kumaraguru College of Technology)	2:16 PM - 2:31 PM
3	113	Methods of Drag Reduction by Modifying Landing Gear System in Fighter Aircraft	Surendra Kumar Yadav (Prince Shri Venkateshwara Padmawathy Engineering College Chennai); Sankaran A (Department of Aeronautical Engineering, Nehru Institute of Engineering & Technology, Coimbatore, India); Sovan Samanta (Department of Mechanical Engineering, Prince Dr. K. Vasudevan College of Engineering and Technology Chennai); Rathinavel S (Department of Aeronautical Engineering, Nehru Institute of Engineering & Technology, Coimbatore, India); Karthikeyan P (Department of Aeronautical Engineering, Nehru Institute of Engineering & Technology, Coimbatore, India); Deepak kumar P (Department of Aeronautical Engineering, Nehru Institute of Engineering & Technology, Coimbatore, India); Dr.Sundarraaj K (Kumaraguru College of Technology)	2:32 PM - 2:47 PM
4	175	Design and Fabrication of Hill Assist Braking System for Heavy Vehicle	Satish S (Kumaraguru College of Technology)	2:48 PM - 3:03 PM
5	178	A Comparative Study on the Performance of Stainless-Steel Conical Springs used in	S.JOHN ALEXIS (Kumaraguru College of Technology)	3:04 PM - 3:19 PM

		Automotive Suspension System		
6	261	Conceptual Design And Preliminary Analysis Of Turbo Jet Engine	Senthil Kumar M (Kumaraguru College of Technology); Arravind R (Paavai Engineering College, Namakkal)	3:20 PM - 3:35 PM
7	422	Design of Suspension System of FSAE Vehicle	JEEVA R S, STUDENT, KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE,INDIA, 9952640815	3:36 PM - 3:51 PM
8	394	Design Analysis of Fiber Reinforced Epoxy Based Two Wheeler Muffler Using CFD	Satish S (Kumaraguru College of Technology)*,Mohankumar S Subramanian (Kumaraguru College of Technology)	3:52 PM - 4:07 PM

