

STUDENT PROJECTS

Student Project details 2025-2026

S.NO	PROJECT TITLE	NAME
1	MULTI ANGLE ROTATER	ANBUMANI.G ARAVINTH.J GUHAN.R CHANDRU.V AJAY.R MANIKANDAN.S ALWIN LEO.I
2	MULTI CUTTING MACHINE	JERRISH ANTONY.J KANNAN.B ANBARASU.A CHATHRIYAN.K FAZIL AHAMMED.M CHANDRU.P RASIKA
3	AIR COMPRESSOR UNIT	ARVIND SAI AJITH.C AJITH KUMAR.D ARUN.A ARVIND.P.S
4	REMOTE AREAS SOLER E- CHARGING STATION	KARTHIK.M THAMIZHANBAN.M BARATH.M SANJAY.P
5	FUEL INJECTOR	NAVEEN KUMAR.S SENTHIL KUMAR.A

6	HYDRAULIC BREAKING SYSTEM	NIHIL ANTONY.T SANJAL.J.V SANJAL.R
7	HAND CONTROL CARS FOR HANDICAPPED DISABLED	RANJITH.M RAGUPATHI.C VASANTH
8	IOT BASED IPOT DEDUCTION AND A TEST SYSTEM FOR OPEN BORE	N.ASAITHAMBI K.KALVIRAJ P.MATHANRAJ
9	PCM (PHASE CHANGE MATERIALS) FOR THERMAL MANAGEMENT	M.HARI HARAN V.RAGUL N.RAHULRAJ
10	FABRICATION AND PERFORMANCE ANALYSIS OF ECO-FRIENDLY HYBRID COMPOSITES REINFORCED WITH ORGANIC WASTE	R.KAMALRAJ R.BALAKRISHNAN A.ULAGANATHAN
11	THERMAL MANAGEMENT OF BATTERIES USING SOLAR PV SYSTEM	S.KIRAN P.PRATHAP S.RAJASEKARAN
12	EXPERIMENTAL INVESTIGATION ON WASTE PLASTIC OIL BIOFUELS FRICTION AND WEAR ANALYSIS	P.BAVIN K.MOHAN RAM D.ADHITHIAN
13	IMPROVEMENT OF MECHANICAL PROPERTIES IN POLYMER COMPOSITES REINFORCED WITH TREATED SISAL FIBER AND LUFFA BIOCHAR	A.KAMALA DHARSHAN K.SUDHAKAR R.SURENTHAR
14	PERFORMANCE AND EMISSION ANALYSIS OF DIESEL ENGINE USING BIODIESEL BLEADS AND	P.ARUN VASANTH V.S.DHANUS

	NANO-ADDITIVES	M.GOPIKRISHNA
15	IMPACT OF STACKING SEQUENCE ON THE MECHANICAL PROPERTIES OF COTTON-KENAF FIBER REINFORCED POLYMER HYBRID COMPOSITES	Y.S.MURALISUDHAN M.SANJAY J.UMAR
16	EXPERIMENTAL INVESTIGATION ON ALGAE BASED THIRD-GENERATION BIOFUELS FRICTION AND WEAR ANALYSIS	K.DHINESH M.RAJAVEL T.SHYAM
17	EXPERIMENTAL INVESTIGATION ON WASTE PLASTIC OIL BIOFUELS PERFORMANCE AND EMISSION ANALYSIS	N.MANISH S.NITHISH R.DINESH
18	EXPERIMENTAL INVESTIGATION ON E-WASTE POWDER AND OTHER METALS TO COMPOSITE MATERIALS	P.ASWINRAJ B.ARUNKUMAR S.UMAR FAROOK
19	WEAR AND FRICTION CHARACTERISTICS OF AI6061/NANO ZRB2 METAL MATRIX COMPOSITES FABRICATION BY STIR CASTING PROCESS	T.A.NAVEEN M.PRABHAKARAN R.VIGNESH

Student Project details 2024-2025

S.NO	PROJECT TITLE	NAME
1	CONDITION MONITORING OF BELT GEARBOXES IN SME MACHINES USING IOT	SELVAMANI.T SHEIK MOHIDEEN.J YOKES KUMAR.S VISHVAA V
2	ANALYSIS AND CHARACTERIZATION OF NATURAL FIBER REINFORCEMENT ON ACALYPHA	RANJITH R VIGNESH K SANJAY.S PRATHESH KUMAR M
3	EVALUATION PERFORMANCE COMBUSTION AND EMISSION ANALYSIS OF THE ALGAE BIODIESEL FUELLED WITH NANO -ADDITIVES	NIVENDHAN S REX J SAKTHIVEL P PRITHIVIRAJ.K
4	DESIGN AND FABRICATION OF IOT BASED FORKLIFT	RAGUL R RISHINATH R SABARINATHAN A SANMUGASUNDARAM
5	EVALUATION OF SISAL BANANA EPOXY REINFORCED NATURAL COMPOSITE	NAVEEN P SELVAKUMAR P SRIKANTH P SRIRAM J
6	WEAR BEHAVIOUR ANALYSIS OF ALGAE BIODIESEL TO REDUCE EMISSION AND TO IMPROVE THE ENGINE LIFE	SARAN.M SIVAKUMAR.C THANGAMANI S VISHVA.V
7	EXPLORATION AND CHARACTERIZATION OF HYBRID COMPOSITE REINFORCED WITH ARECA LEAF SHEATH FIBER	SELVAKUMAR.M SOMASUNDHARAMG YOGESHKUMAR VENGADESAN K

8	AN INVESTIGATION AND PROCESS PARAMETER OPTIMISATION OF FLANGE MADE WITH PLA POLYMER USING 3D PRINTING	UDHAYASURIYA.M SIVA.K SANJITH.B RAMESH.B
9	EXTRACTION, CHARACTERIZATION, AND BIOMEDICAL POTENTIAL OF PIPER NIGRUM FIBER: A SUSTAINABLE ALTERNATIVE FOR ADVANCED BIO APPLICATIONS	R.SARAN R RENGANATHAN S.SHIBI RAJ
10	FABRICATION AND PERFORMANCE EVALUATION OF ALUMINUM- EGGSHELL NANOPARTICLE REINFORCED EPOXY HYBRID COMPOSITES FOR SUSTAINABLE ENGINEERING	R.RANJITH R.RANJITH M.SIVA KUMAR D.RAJA
11	TRIBOLOGICAL INVESTIGATION OF THE ALGAE BIODIESEL IN FOUR STROKE COMPRESSION IGNITION ENGINE	M PRASANNA RAKESHWARAN M SARAVANAN R VIJAY R
12	COMPOSITE NATURALHYBRIDMATERIALOFBANAN AFIBER	SANTHOSH KUMAR K ROHITH A SATHEESH P SATHIYAMOORTHY T
13	FOUR WHEEL STEERING CONTROL	SHAM VASANTH F SIBIRAJ S SIRANJEEVI S VIGNESH D
14	DESIGN AND FABRICATION OF ONE ROW SEEDER MACHINE	RAJASEKAR G RAJESH E MUKILAN A

15	REDUCTION OF MOISTURE CONTENT IN BAGASSE USING SURPLUS HEAT FROM EXHAUST FLUE GAS	RANJITHKUMAR P VIGNESHWARAN S SATHEESH B
16	COAXIALITY ERROR ANALYSIS WITH CNC TURNING PROCESS ON CAST NYLON-6 FOR AUTOMOBILE ASSEMBLY FIT	SIVASURYA S SURYA G VASANTH V

Student Project details 2023-2024

S.NO	PROJECT TITLE	NAME
1	CHARACTERIZATION AND PROPERTIES ANALYSIS OF NATURAL FIBER HYBRID COMPOSITE	ADHITHYAKRISHNA ALWIN LEO I DON ROBY KEERTHIVASAN S
2	EXPERIMENTAL INVESTIGATION ON PERFORMANCE COMBUSTION AND EMISSION CHARACTERISTICS OF A DIESEL DUEL FUEL ENGINE FUELED BY ALGAE OIL BIODIESEL AND HYDROGEN GAS	ADHITHYAKRISHNA V ALWIN LEO I DON ROBY KEERTHIVASAN S
3	DESIGN AND OPTIMIZATION OF SOLAR STEAM GENERATOR	AJITH KUMAR.G ABISHEK.T AJITH .C AJITHKUMAR.D
4	A COMPREHENSIVE ANALYSIS OF MATERIAL AND PERFORMANCE OF SOLID OXIDE FUEL CELL	ANBUMANI G ARAVINTH J GUHAN R CHANDRU V
5	EXPERIMENTAL AND INVESTIGATION OF E-GLASS FIBER, BANANA FIBER AND ORANGE PEEL USING BREAK	PADARJUN M ARVIND P S HARIHARAN S KARTHIK M

6	TRIBOLOGY BEHAVIOR OF AL6061 / NANO-ZRB2	ARUNRAJ.S BALAJI.S FAZIL AHAMMED.M MAHARAJAN S
7	REMOVAL OF HARDNESS AND PRODUCING IONS USING REVERSE OSMOSIS PROCESS	BOOPATHI.M MAHASAKTHI.G MANIYARASAN.S KESAVAN.M
8	EXPERIMENTAL AND ANALYSIS OF CORROSION RESISTANCE IN MILD STEEL COATING WITH YTTRIUM OXID	DERICKES ABISHEK M MADHAN RAJ S ABISHEK A ARAVINDKUMAR A
9	EXPERIMENTAL AND INVESTIGATION OF BIOMATRIC COMPOSITE LEAF SPRING USING TEADUST WASTE AND SEA SHELL POWDER	GUHAN.T DHINESH.A HARIHARASUDHAN.K KAMALESHBALAN. B. M
10	DESIGN AND ANALYSIS OF CAR CRASH ELEMENT	GURUMOORTHY.R KATHIRAVAN.P DHINAKAR.E HARIHARAN .D
11	ENHANCING MECHANICAL PROPERTIES OF SISAL FIBER THROUGH HYBRID LAMINATE	JANARTHANAN.K MADHAVARAM.R BHARATH.M JERISH ANTONY.J
12	DESIGN AND STATIC ANALYSIS OF JCB EXCAVATOR BUCKET	KALAIIVANAN.M MOHAMMED KAMALUDEEN.K MANJUNATH.G BALAJI.R
13	DESIGN AND ANALYSIS OF ALUMINIUM, SILICON AND GUNMETAL COMPOSITE GEARS FOR ROBOTIC ARM	JASIM AHAMED.N HAMEED MOHAMED.A FAYAS AHAMED.S MOHAMED KAMALUDEEN.A

14	EXPERIMENTAL INVESTIGATION OF AN INDIRECT TYPE NATURAL CONVECTION SOLAR DRYER	RASIKA.K ARUN PRASANNA.S ASWIN.M CHANDRU.P
15	ESTIMATION OF CALCIUM, PHOSPHATE, REDUCING SUGAR	ABDUL WAHITH.A M.ANANDHARAJ KAMLAESH.K Y.MANOJ
16	PDI INSPECTION AND TIME MANAGEMENT	AKASH.S ARVIND SAI.P
17	REDUCTION OF MOISTURE CONTENT IN BAGGASSE USING SURPLUS HEAT FROM EXHAUST FLUE GAS	ANBARASU . A CHATHRIYAN.K KANNAN. B GANISHKAR. M
18	SOLAR ASSISTED GRAINS MOISTURE REMOVER	DHANUSH.G GOWDHAM.S HARIHARAN.B HARIHARAN.M