

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date	Patent Published Date / Granted	Patent Publication Number / Patent	Assignee/s Name (Institute Affiliation/s at time of Application)
<b>Academic Year: 2022</b>									
1	202241031625	Published	K. SIVA S.VIDYA PRAKASH D JAYASAKTHIKUMAR V JEYA RAMALINGAM T JINESH MOORTHY RAGUL. D	THE PROPERTIES OF COCONUT SHELL POWDER, FIBRE, POSTACHIO SHELL POWDER AND GROUND NUT SHELL POWDER	Hindusthan College of Engineering and Technology	02-06-22	10-06-22	21/2022	Hindusthan College of Engineering and Technology
2	202241031616	Published	K. SIVA N. PRASANNA VENKATESAN KAVIYARASAN M S KIRUTHIK ROSHAN S KISHOREKUMAR	FABRICATION OF CAR LIFTING MECHANISM USING UNIVERSAL OBJECT INTERACTION	Hindusthan College of Engineering and Technology	10-06-22	02-06-22	23/2022	Hindusthan College of Engineering and Technology
3	202211032064	Published	Mr. L. Karthick	EFFICIENT EVOLUTION OF CRACK SIZE ESTIMATE WITH FAST BOUND CRACK	Mr. L. Karthick	04-06-22	10-06-22	23/2022	Hindusthan College of Engineering and Technology

4	202241006975	Published	L. KARTHICK D. PRABHU S. KANNAN A. SASIKUMAR N. PRASANNA VENKATESAN S. SIVAKUMAR T. PRABHU S. VIDYA PRAKASH K. RAMESH KUMAR D. AMALRAJU NARESH MALLIREDDY C.A. JAGADISH	AI BASED 3-WHEELED HIGH- POWER MOUNTAIN E-BIKE	L. KARTHICK D. PRABHU S. KANNAN A. SASIKUMAR N. PRASANNA VENKATESAN S. SIVAKUMAR T. PRABHU S. VIDYA PRAKASH K. RAMESH KUMAR D. AMALRAJU NARESH MALLIREDDY C.A. JAGADISH	09-02-22	04-03-22	19/2022	Hindusthan College of Engineering and Technology
5	202241013993	Published	Y. RAS MATHEW S. RAMKUMAR K. SIVA V. SENTHIL MURUGAN K. SRIHARRISH	VERTICAL AXIS WIND TURBINE FOR WIND ENERGY BASED POWER GENERATORS	Y. RAS MATHEW S. RAMKUMAR K. SIVA V. SENTHIL MURUGAN K. SRIHARRISH	15-03-22	08-04-22	14/2022	Hindusthan College of Engineering and Technology
6	202241017967	Published	PRADEEP JOHNSON P. N. Karthikeyan A. PRABHU	AUTOMOBILE SEAT DESIGN ERGONOMICS AND WHIPLASH PROTECTION SYSTEM	PRADEEP JOHNSON P. N. Karthikeyan	28-03-22	15-04-22	15/2022	Hindusthan College of Engineering and Technology
7	202241028197	Published	K Siva J.Manikandan M.Suthan P.Vignesh	SOLAR POWERED SMART BENCH	Hindusthan College of Engineering and Technology	17-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology
8	202241028267	Published	K Siva K.Sriharrish Sam Morris J Siva S Vasanth S Rajalingam R	EXPERIMENTAL INVESTIGATION OF MACHINING PERFORMANCE ON SUPER ALLOY	Hindusthan College of Engineering and Technology	17-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology

9	202241028351	Published	L. Karthick	THE EFFECT OF GLASS TEXTILE ON THE SHEAR BEHAVIOR OF GLASS FIBER REINFORCED POLYMER- REINFORCED CONCRETE BEAMS	L. Karthick	17-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology
10	202241028399	Published	J Jaya Senthil Murugan V Sriharish K	MAGNETITE EMBEDDED BIOCHAR AS NANO-SORBENT FOR EFFECTIVE ADSORPTION OF TEXTILE DYE AND THE METHOD THEROF	Hindusthan College of Engineering and Technology	17-05-22	17-06-22	24/2022	Hindusthan College of Engineering and Technology
11	202241028533	Published	K.Siva C.Nithyanandam M.Gokula Krishnan S.Jayaprakash P.Alagu Venkatesh K.Harish	DESIGN AND FABRICATION OF LOW COST MOULD BY ARAMID FIBRE REINFORCED POLYMER(AFRP) USING 3D PRINTER	Hindusthan College of Engineering and Technology	18-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology
12	202241028540	Published	K SIVA D. AMALRA JU SREERAM KARIPURATH SOURAV DAS K M RAHUL PRADAD R B SHARAF AMEN FIROZ	DESIGN AND DEVELOPMENT OF FIRE EXTINGUISHER DRONE	Hindusthan College of Engineering and Technology	18-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology
13	202241028541	Published	K SIVA D. AMALRA JU SUGAN T SURIYA S TAMIL SELVAN M VIGNEHS VARMA M	DESIGN AN FABRICATION OF HOVERBOARD	Hindusthan College of Engineering and Technology	18-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology
14	202241029093	Published	K SIVA K.RAMESHKUMAR VIGNESHWARAN M VIJAYAN S SAMBATH.R.K SELVA JOSEVA.M	AI PHOENI-X AUTONOMOUS SPACE ROVER	Hindusthan College of Engineering and Technology	18-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology

15	202241029155	Published	K SIVA S. ALAGAR RA JA BASKAR S RA J KUMAR M RAKESHKUMAR S VIGHNESH P	PREPARATION OF MWCNTS HYBRID COMPOSITE WITH ORGANIC AND INORGANIC FILLERS	Hindusthan College of Engineering and Technology	20-05-22	27-05-22	21/2022	Hindusthan College of Engineering and Technology
16	202241029428	Published	K SIVA R. SANKARGANESH M. YUVARA JA S. SRIDHAR S.V. SRISABARISH V. SANJAY	DESIGN AND FABRICATION OF CEILING FAN BLADES CLEANER	Hindusthan College of Engineering and Technology	23-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
17	202241029450	Published	K SIVA R.SANKARGANESH S. THARUN SUNDAR R. SABARI M. SARAN S. SRISARAN	DESIGN AND FABRICATION OF HELICAL AXIS WIND TURBINE	Hindusthan College of Engineering and Technology	23-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
18	202241029452	Published	K SIVA D. PRABHU JUDIN JINO G N LOKESH KUMAR N NIKIL SANTHOSH V PREM KUMAR K	PERFORMANCE ANALYSIS OF HEAT PUMP DRIER FOR AGRO- PRODUCTS	Hindusthan College of Engineering and Technology	23-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
19	202241029477	Published	K SIVA D.PRABHU KARTHIKEYAN.V KAUSIK.S.N MOHAMED ZUBAIR ABBAS.S PRAVEEN.R	DESIGN AND FABRICATION OF ADVANCE SOLAR SEED SOWING MACHINE	Hindusthan College of Engineering and Technology	23-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology

20	202241030448	Published	K SIVA M.Mohanraj J.Dinesh L.Karthick D. Amalraju Ranjith R Tamilventhan RN Vengatesh V Kumar Sriram AL	SOLAR WATER HEATER WITH LATENT HEAT STORAGE	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
21	202241030466	Published	K.Siva M.Mohanraj V.Senthilmurugan L.Karthick Aravindh Raja S Arun Kumar T Ashik Mohamad AS Elpher Jeya Behas C Aravindh T Aravindh T Gokul A Gowrishankar M	SOLAR AIR HEATER ASSISTED SOLAR DRYER	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
22	202241030477	Published	K SIVA M.Mohanraj A.Prabhu L.Karthick Chandru T Dhanashekar.G Geerthi VasanK.S Dinesh Kumar.S Guna K Ambrish I Harikrishna SR Barathy.S	SOLAR STILL WITH LATENT HEAT STORAGE SYSTEM	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology

23	202241030487	Published	K Siva M.Mohanraj S.SIVAKUMAR L. KARTHICK DHEERA J P ADITHYA KR JOMON WILSON GODWIN S ABILASH K GAUSHIK S ATHITHAN P ARUN NAYAGAN L	DESIGN AND ANALYSIS OF SHELL AND COIL HEAT EXCHANGER	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
24	202241030492	Published	K SIVA M.Mohanraj A.Sasikumar L.Karthick Ajay Raj G S Deepaan K K Gokul Raj J Gopinath R Ajith Kumar R Inbarasu M Irudhaya Johnson.N Izasdeen H	DESIGN AND ANALYSIS OF SOLAR WATER HEATER	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
25	202241030493	Published	K Siva M.Mohanraj L.Karthick Dinesh Kumar V Guru Prasath S Ayyappan S Balaji A Abiram P U Ajith George Bejesh Krishna B Hafis Mohammed	DESIGN AND ANALYSIS OF SOLAR DESALINATION SYSTEM	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology

26	202241030496	Published	K SIVA M.Mohanraj J.Dinesh Kumar L.Karthick D. Amalraju Sankaranarayanan.T Saran.R Sathish Kumar.M Suriya.G	DESIGN AND ANALYSIS OF WALL	Hindusthan College of Engineering and Technology	27-05-22	03-06-22	22/2022	Hindusthan College of Engineering and Technology
27	202241031050	Published	K SIVA C. A.JAGADISH RAJ MOHAN P RAGUL N RANJITH P	DESIGN AND FABRICATION OF TWO AXIS FABRICATION TABLE	Hindusthan College of Engineering and Technology	31-05-22	10-06-22	23/2022	Hindusthan College of Engineering and Technology
28	202241031105	Published	K SIVA S.Vidya Prakash KALAISELVAN P KANNAN S KARTHICK R P MAHESH KANNAN R	DESIGN AND FABRICATION OF LIFTING ARRANGEMENTS IN TRAINS	Hindusthan College of Engineering and Technology	31-05-22	10-06-22	23/2022	Hindusthan College of Engineering and Technology
29	202241031359	Published	K SIVA K.Sriharrish Aravinthan.K Boopathi.P	ANALYSIS AND IMPROVING THE HARDNESS OF EN353 STEEL USING CRYOGENIC TREATMENT	Hindusthan College of Engineering and Technology	01-06-22	10-06-22	23/2022	Hindusthan College of Engineering and Technology
30	202241034725	Published	Mr. L. KARTHICK	Evaluation of the influence of RCA in increasing the mechanical strength of cementing composites	Mr. L. KARTHICK	17-06-22	24-06-22	25/2022	Hindusthan College of Engineering and Technology
31	202241042210	Published	N. Prasana Venkatesan Mr. L. Karthick	Respiratory Medicine Medical Spraying System	N. Prasana Venkatesan Mr. L. Karthick	22-07-22	19-08-22	33/2022	Hindusthan College of Engineering and Technology

32	202241044722	Published	MR. L. KARTHICK	ITERATIVE TECHNIQUE TO SOLVE FRACTIONAL DIFFERENTIAL EQUATIONS APPLIED IN INDUSTRY	MR. L. KARTHICK	05-08-22	12-08-22	32/2022	Hindusthan College of Engineering and Technology
33	202241026788	Published	L.Karthick	E-Waste Management System By Using Internet Of Things And Collection	L.Karthick	09-05-22	13-05-22	19/2022	Hindusthan College of Engineering and Technology
34	202241028399	Published	Dr.C.Nithyanandam, Dr.V.Senthil Murugan and Mr.K.Sriharrish	Magnitite Embeeded Biochar as Nano-Sorbent for effective Adorption of Textile Dye and the Method Thereof	Dr.C.Nithyanandam	17-06-22	17-06-22	202241028399	Hindusthan College of Engineering and Technology
35	202241050542	Published	Dr.K.Siva, Dr.C.Nithyanandam, Mr.D.Amalraju , and TAMILARASAN.S	DESIGN AND ANALYSIS OF CARBON/GLASS EPOXY LEAF SPRING	Dr.C.Nithyanandam	05-09-22	05-09-22	202241050542	Hindusthan College of Engineering and Technology
36	202241050546	Published	Dr.K.Siva, Dr.C.Nithyanandam, Dr.K.R.Sakthivel, GOMATHI SHANKAR.M	DESIGN AND ANALYSIS OF CYCLONE SEPARATOR	Dr.C.Nithyanandam	06-09-22	06-09-22	202241050546	Hindusthan College of Engineering and Technology
37	202241050545	Published	Dr.K.Siva, Dr.C.Nithyanandam, Dr.K.R.Sakthivel, GOMATHI SHANKAR.M	GFRP COMPOSITE LEAF SPRING EXPERIMENTAL AND FINITE ELEMENT ANALYSIS	Dr.C.Nithyanandam	07-09-22	07-09-22	202241050545	Hindusthan College of Engineering and Technology
38	202241050543	Published	Dr.K.Siva, Dr.C.Nithyanandam, Mr.S.Alagar, . Dinesh Kumar.M	DESIGN OF ROBOTIC MANIPULATOR IN CASTING INDUSTRY TO HANDLE SHELL	Dr.C.Nithyanandam	08-09-22	08-09-22	202241050543	Hindusthan College of Engineering and Technology
39	202241050541	Published	Dr.K.Siva, Dr.C.Nithyanandam, Mr.C.A.Jagadish, Kumerasan.T	VIBRATION CONTROL IN BORING PROCESS USING A CONSTRAINED VISCOELASTIC LAYER DAMPER	Dr.C.Nithyanandam	09-09-22	09-09-22	202241050541	Hindusthan College of Engineering and Technology
40	202241050540	Published	Dr.K.Siva, Dr.C.Nithyanandam, Mr.K.Maharaja, Muthupandiaraja M	WASTE ENERGY HARVESTING BY THERMOELECTRICS	Dr.C.Nithyanandam	10-09-22	10-09-22	202241050540	Hindusthan College of Engineering and Technology



41	202241050539	Published	Dr.K.Siva, Dr.C.Nithyanandam, Dr.Y.Ras Mathew, G.Sudhakar	DESIGN OF AIR PRE HEATER FOR IMPROVED EFFICIENCY OF SI ENGINE	Dr.C.Nithyanand am	11-09-22	11-09-22	202241050539	Hindusthan College of Engineering and Technology
42	202241050538	Published	Dr.K.Siva, Dr.C.Nithyanandam, Mr.K.Sriharrish, Gopala Krishnan.S	DESIGN AND STRUCTURAL ANALYSIS OF A ROBOTIC ARM	Dr.C.Nithyanand am	12-09-22	12-09-22	202241050538	Hindusthan College of Engineering and Technology
43	202241050544	Published	Dr.K.Siva, Dr.C.Nithyanandam, Gowtham R	LDM EXTRUSION HEAD DESIGNING FOR CONVENTIONAL 3D PRINTER	Dr.C.Nithyanand am	13-09-22	13-09-22	202241050544	Hindusthan College of Engineering and Technology

### Academic Year: 2021

1	202141049995	Published	Dr.Y.Ras Mathew Dr.K.Siva Dr.V.Senthil Murugan K.Sri Harrish	Fire Sprinkler	Dr.Y.Ras Mathew Dr.K.Siva Dr.V.Senthil Murugan	01-11-21	03-12-21	49/2021	Hindusthan College of Engineering and Technology
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### Academic Year: 2020

1	202041025219	Published	C.NITHYANANDAM	FULLYDAY AUTOMATIC TOUCHLESS MIST SPRAYS SANITIZER DISPENSER	C.NITHYANANDAM	16-06-20	19-06-20	25/2020	Hindusthan College of Engineering and Technology
2	202041007777	Published	Dr.C.Nithyanandam	ARTIFICIAL INTELLIGENCE ENABLED BOT FOR RAILWAY TRACK CLEANING	Dr.C.Nithyanand am	24-02-20	06-03-20	01/2020	Hindusthan College of Engineering and Technology