



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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Madagadipet, Puducherry - 605 107

Research and Development Cell

Consolidated List For Patent

(From June To December 2020)

Sl.No	Department Name	Patent Published (National)	Patent Granted (International)
1	MECHANICAL	9	1
2	EEE	4	-
3	ECE	8	-
4	CSE	5	-
5	IT	5	1
6	ICE	2	1
7	CIVIL	2	1
8	BME	4	-
9	MCA	1	1
10	MATHEMATICS	1	
Total		41	5

Patent Published Indian Patent

SI.No	Application No	Publication Date	Title of the invention	Name of Inventor	The Patent Office Journal No
1.	202041029720 A	31/07/2020	AUTOMATIC PNEUMATIC WELDING BY ROBOT	1)Dr. R.RAVISANKAR, 2)Dr.V.S.K.VENKATACHALAPATHY, 3)Mr.A. JEYACHANDRAN, 4)Mr. L.MARTIN, 5)Dr.K. HEMALATHA 6)Dr.G.BALAMURUGAMOHANRAJ 7)Mr.E.MANIKANDAN, 8)Dr.G.G.SOZHAMANNAN, 9)Dr. T.COUMARESSIN, 10)Dr .K. VELMURUGAN	31/2020
2.	202041030668 A	31/07/2020	DESIGN OF SOLAR POWERED MINI RICE MILL	4)Dr.K.VELMURUGAN, 5)Dr. R.RAVISANKAR, 6)Mr. L. MARTIN	31/2020
3.	202041033396 A	21/08/2020	SMART REFRIGERATOR USING PELTIER PLATE	1)Dr. P. RAJA 2)Dr. V. BHARATHI 3)Dr.A.VIJAYALAKSHMI 4)Dr.D.JAGADISWARY 5)Mr.P.ARUNAGIRI 6)Dr.S.PREMKUMAR 7)Mr.V.LOGISVARY 8)Mr.R.ILAIYARAJA 9)Dr.B.SHANMUGHAM	34/2020
4.	202041033397 A	21/08/2020	A FURROWER	1)Dr.P.RAJA 2)Dr.R.KURINJIMALAR 3)Dr.V.BHARATHI 4)Dr.J.PRADEEP 5)Mr.C.SRIDHAR 6)Mr.G.THAMIZHAMIZHDHU 7)Ms.C.JANANI	34/2020
5.	202041033566 A	21/08/2020	AD-HOC NETWORK WITH INTEL GALILEO GEN2 BASED POWER DEMAND CONTROL	Mr N. SHANKAR	34/2020
6.	202041037094 A	04/09/2020	SMART PORTABLE AUTOMATED PANEER MAKING DEVICE	1)Dr.V.S.K.VENKATACHALAPATHY 2)Dr.K.VELMURUGAN 3)Dr.G.G.SOZHAMANNAN 4)Mr.A.JEYACHANDRAN	36/2020

				5)Dr.K.HEMALATHA 6)Dr.T.COUMARESSIN 7)Mr.E.MANIKANDAN 8)Dr.G.BALAMURUGA MOHAN RAJ 9)Dr.R.RAVISANKAR 10)Mr.L.MARTIN	
7.	202041037095 A	04/09/2020	DEVICE FOR TERMITE TRACKING USING MOISTURE SENSOR AND THERMAL IMAGING	1)Dr.S.JAYAKUMAR 2)Dr.S.SUNDARARAMAN 3)Mr.K.SRINIVASAN 4)Mr.S.SIVAPRASATH 5)Ms..A.KALYANI 6)Ms.G.YAMUNA 7)Mr.K.S.PRASATH	36/2020
8.	.202041036571 A	11/09/2020	END TO END FOOD SAFETY AND QUALITY CONTROL SYSTEM	3)Dr. G.SHANMUGASUNDARAM 4) Dr. R.RAJU 5)Mr. S.BALAJI 6)Mr. V.MALARSELVAM	37/2020
9.	202041039073 A	18/09/2020	OXYGEN ANALYZER	1)Dr.L.M.VARALAKSHMI 2)Mrs.M.OMAMAGESWARI 3)Mrs.T.SUDHA 4)Mr.N.NAGARAJAN 5)Mr.J.JEEVANANTHAM 6)Mrs.M.REKHA 7)Mr.G.LAXMINARAYANAN	38/2020
10.	202041039291 A	18/09/2020	IOT FOR ELDERLY HEALTHCARE	1)Dr.R.RAJU 2)Dr..T.VIGNESWARI 3)Dr.C.PUNITHA DEVI 4)Dr.G.SHANMUGASUNDARAM 5)Dr.S.GEETHA 6)Mr.R.SARAVANAN 7)Mr.S.BALAJI 8)Mr.N.KALAISELVI	38/2020
11.	202041039774 A	25/09/20	SOLAR ACETONE POWER GENERATOR (ACESOL) AND METHOD OF GENERATING POWER	1)Dr.A.THIAGARAJAN 2) Dr.S.K.VENKATACHALAPATHY 3)Dr.K.VELMURUGAN 4) Mr.A.JEYACHANDRAN 5)Dr.L.SARAVANAN 6) Mr.S.JAGAN 7) Mr.P.JAYAKUMAR 8) Dr.J.PAVALAVANA PANDIAN 9)Mr.S.SURENDRA PRASATH 10) Mr.V.VISWANATH	39/2020
12.	202041040041 A	25/09/20	DEVICE FOR CATALYSED DRYING OF FOOD BASED MATERIALS	1)Dr.S.ANBUMALAR 2)Mrs.PUNITHA 3) Dr.P. JAMUNA 4)Dr.K.SURESH	39/2020

				5) Dr.M.SUSITHRA 6)Mr.D.RAJA 7)Mr.B.PARTHIBAN 8)Mr.S.JOHNPOWL 9) Mr.A.JANAGIRAMAN 10)Mr.K.THANGARAJ 11)Mr.D.DURAIRAJ 12)Mr.V.MALARSELVAM 13)Mr.J.MURUGANANDHAM 14)Mr.R.RAGUPATHY 15) Mr.I.SHIVASANKKAR	
13.	202041040791 A	02/10/20	SMART BED FOR PHYSIOLOGICAL PARAMETERS MEASUREMENT	1)Dr. A.VIJAYALAKSHMI 2)Dr. A.JAYACHITRA 3) Mr N SHANKAR 4) Mr R S SHIYAMSUNDAR 5)Dr.S.B.LENIN 6) Ms S JAYANTHI 7)Dr V RAJMOHAN	40/2020
14.	.202041038725 A	02.102020	CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT WITHMETAKAOLIN	6) Dr. PAVALAVANA PANDIAN. J	40/2020
15.	202041041657 A	09.10.2020	MULTI-PURPOSE SKIN PEELER	1)Dr.K.VELMURUGAN 2)Dr.VS.K VENKATACHALAPATHY 3)Mr.K.NAVANITHA KRISHNAN 4)Mr.R.MANIKANDAN 5)Mr.S.ARUL PRADEEP 6)Mr.P.SATHIA PRATHAP 7)Mr.M.GUNASEKAR 8)Mr.S.PRAKASH 9)Mr.S.SARAVANAN 10)Mr.S.JAGAN 11)Mr.K.OUDAYAKUMAR 12)Mr.N.VIJAYAN	41/20
16.	202041042021 A	09.10.20	SUBSTANTIATING WEB SERVICES CHOREOGRAPHY BASED ON AUTOMATA MODEL	1)Dr.N.DANAPAQUIAME 2)Dr.V.S.K.VENKATACHALAPATHY 3)Dr.E.ILAVARASAN 4)Ms.P.BHAVANI 5)Dr.V.VIJAYALAKSHMI 6)Ms.J.KANIMOZHI 7)Ms.V.SWATHILAKSHMI	41/20
17.	202041042028 A	09.10.20	GENERIC SMART AUTOMATION SYSTEM	1)Dr.J.MADHUSUDANAN 2)Dr.P.IYAPPAN 3)Dr.V.VIJAYAKUMAR 4)Mr.M.GANESAN	41/20

				5)Mr.B.THIYAGARAJAN 6)Mr.S.KUMARAKRISHNAN 7)Mr.A.PRAKASH 8)Mr.D.RAJESH	
18.	202041042033 A	09.10.20	SMART ELECTRICAL SENSING IN INFRASTRUCTURE	1)Dr. K. PREMKUMAR 2)Dr. E. KODHAI 3)Mr.P.KATHIKEYAN 4)Mr. N.GOPINATH 5)Mr M.SHANMUGAM 6)Mr. N.BALAJI 7)Mrs.C.KALPANA 8)Mr.AROKIARAJ CHRISTIAN ST HUBERT	41/20
19.	202041042471 A	09.10.20	PEARL MILLET DEHUSKER AND ASPIRATOR	1)Dr. K. HEMALATHA 2)Dr. V.S.K. VENKATACHALAPATHY 3)Dr. K. VELMURUGAN 4)Mr.P. SATHIAPRATHAP 5)Mr.M. GUNASEKAR 6)Mr.R. MANIKANDAN 7)Mr.K. NAVANITHAKRISHNAN 8)Mr.S. ARULPRADEEP 9)R. RABIN RANITH 10)A. EMIL GERARD 11)V. PRABAGARAN 12)A. BHARANCE KUMAR	41/20
20.	202041043123 A	16.10.20	SMART BEAKER FOR URNE ANALYSIS	1)Mr.N.SHANKAR 2)Dr.V.RAJMOHAN 3)Mr.K.SANKAR 4)Ms.V.POOJA 5)Mr..R.S.SHIYAM SUNDAR 6)Dr.RAMJI KALIDOSS 7)Dr.KIRAN GEORGE	42/20
21.	202041044031 A	16.10.20	SMART SECURITY SYSTEM-THEFT DETECTION AND SURVEILLANCE	1)Mrs.N.KALAISELVI 2)Dr.C.PUNITHA DEVI 3)Dr.T.VIGNESWARI 4)Dr.R.RAJU 5)Dr.G.SHANMUGASUNDARAM 6)Dr.S.GEETHA 7)R.SARAVANAN 8)S.BALAJI 9)Mrs.A.SARKUNAVATHI	42/20
22.	202041044035 A	16.10.20	CASS BASED SECURE AUTHENTICATION SYSTEM	1)Mr. R. SARAVANAN 2)Mr.S. BALAJI 3)Mr.R. SURESH 4)Mr. K.S. SEETHARAMAN	42/20

				5)Dr. R. RAJU 6)Dr. C. PUNITHADEVI 7)Dr. G. SHANMUGASUNDARAM 8)Mrs. N. KALAISELVI	
23.	202041044321 A	16.10.20	AUTOMATIC EPIDURAL REGULATOR	1)Mr.N. SHANKAR 2)Mr. R.S. SHIYAM SUNDAR 3)Dr. M. MALATHI 4)Dr. S. A. YUVARAJ 5)Ms. V. POOJA	42/20
24.	202041044255 A	23.10.20	MECHANISM OF BIODETERIORATION OF MARINE CONCRETE BY GREEN ALGAECHAETOMORPHA ANTENNINA	1)Dr. S. JAYAKUMAR 2)Dr. V.S.K. VENKATACHALAPATHY 3)Dr. S. SUNDARARAMAN 4)Dr. K. VELMURUGAN 5)Mr.G.SENTHIL RAJ 6)Mr.S.AZHAGARSAMY 7)Mrs.A.SATHIYA PRIYA 8)Mrs.D.SATHIYASREE 9)Mrs.S.SINTHANA GORKY 10)Ms.B.PALLAVI	43/20
25.	202041045087 A	30.10.20	MECHANIZED SYSTEM OF INTEGRATED SHOE CLEANSING AND POLISHING	1)Dr. P. RAJA 2)Dr.V. BHARATHI 3)Ms. P. MAIDILY 4)Mrs. V. LOGISVARY 5)Mr.C. SRIDHAR 6)Ms.M. JULIE THERESE 7)Ms. K. VIJAKUMAR 8)Mr. S. PUSHPARAJ 9)Mr. K. UTHAYASURIYAN	44/20
26.	202041045102 A	30.10.20	COST EFFECTIVE SMART SEWAGE TREATMENT TO AGRICULTURE FIELDS	1) Dr. P.RAJA 2)Dr. S. JAYAKUMAR 3)Dr. K. VELMURUGAN 4)Dr. V. BHARATHi 5)Dr. S. B. LENIN 6)Mrs. V. LOGISVARY 7)Mrs. M. JULI THERESE 8)Mr. C. SRIDHAR 9)Mr. K. VIJAYAKUAR 10)Mr. S. PUSHPARAJ	44/20
27.	202041045939 A	30.10.2020	INTELLIGENT TRACKING SYSTEM FOR VEHICLES	2)Dr.L.M.VARALAKSHMI	44/2020

28.	202041046598 A	06.11.20	DEVICE FOR DETECTION AND PREVENTION OF LIGAMENT INJURIES IN JOINTS	1)Mrs. S.PUNITHA 2)Dr. S.ANBUMALAR 3)Dr. P. JAMUNA 4)Dr. S. GANESH KUMARAN 5)Dr. M. SUSITHRA 6)Mr. A. JANAGIRAMAN 7)Mr. K. ARUN 8)Mr. R. RAGUPATHY 9)Ms. N. SWARNALAKSHMI 10)Mr. U. SURENDRAKUMARAN 11)Mr. I. SHIVASANKKAR 12)Ms. ANNAPURNA. R 13)Ms. AKSHAYA@ KLRUTHLKA. S	45/20
29.	202041047668 A	13.11.20	PORTABLE EGG QUALITY ASSESSMENT AND MONITORING SYSTEM USING IOT	1)Dr. R. RAJU 2)Dr. C. PUNITHA DEVI 3)Mr. R. SURESH 4)Dr. S. GEETHA 5)M.P.THIRUVENKATASURESH 6)M.GANESAN 7)Dr. T.GANESAN 8)Dr. N.RAMANUJAM 9)Dr. CHOCKALINGAM SINGARAVELU 10)S.MANIKANDAN 11)S.PALANI MURUGAN	46/20
30.	202041048951 A	20.11.20	UNIVERSAL MOTOR DRIVE FOR THREE PHASE INDUCTION MOTOR AND BLDC MOTOR	1)Mr.J.MURUGANANDHAM 2)Dr. S. ANBUMALAR 3)Dr. P. JAMUNA 4)Dr. D. RAJA 5)Mr.B.PARTHIBAN 6)Mr.K.THANGARAJ 7)Mrs.S.PUNITHA 8)Mr.V.MALARSELVAM 9)Mr.C.ADRIEN PERIANAYAGAM 10)Ms.N.SWARANALAKSHMI	47/20
31.	202041048954 A	20.11.20	SMART AQUA GEN	1)Mr. K. ARUN 2)Dr.S. ANBUMALAR 3)Dr. S. GANESH KUMARAN 4)Dr.M. SUSITHRA 5)Mr.S. JOHN POWL 6)Mr.A. JANAGIRAMAN	47/20

				7)Mr.D. DURAIRAJ 8)Mr.D.RAGUPATHY 9)Mrs.C. KALAIVANI 10)Mr.U. SURENDRAKUMARAN	
32.	202041048956 A	20.11.20	HEARTSEASE - THE STRESS RELIEVING APPLICATION	1)Dr.R.KURINJIMALAR 2)Dr.P.RAJA 3)Mr.P.ARUNAGIRI 4)Mr.K.UTHAYASURIYAN 5)Ms.C.JANANI 6)Ms.G.THAMIZH AMIZHDHU 7)Dr.J.PRADEEP 8)Dr.A.JAYACHITRA 9)AROOP SIDDHARTH A.S 10)DHILEEPKUMAR. R	47/20
33.	202041049644 A	27.11.20	SKATING PLATE BY DISCARDED PCB WITH CARBON FIBER REINFORCED	1)Dr.V.S.K. VENKATACHALAPATHY 2)Dr.K. VELMURUGAN 3)Dr.A.G GANESH KUMAR 4)Dr.G.BALAMURUGA MOHAN RAJ 5)Dr.G.G.SOZHAMANNAN 6)Dr.L.SARAVANAN 7)Mr.P.RAMESH KUMAR 8)Mr.E.MAIKANDAN 9)Mr.P.JAYAKUMAR 10)Mr.R.HEMANTHKUMAR 11)Mr.G.HARISH 12)Mr.K.PUHAZLVANA 13)Mr.S.PRAKASH 14)Mr.M.GUNASEKAR	48/20
34.	202041049647 A	27.11.20	AN EDGE COMPUTING BASED SMART ASSISTIVE GLASS FOR VISUALLY INCAPACITATED PEOPLE	1)Dr.N.DANAPAQUIAME 2)Mr.A.PRAKASH 3)Dr.A.RAMALINGAM 4)Mr.D.RAJESH 5)Mrs.P.BHAVANI 6)Dr.V.VIJAYALAKSHMI 7)Ms.V.SWATHILAKSHMI	48/20
35.	202041050321 A	04.12.2020	DATA AUTHENTICATION AND SECURITY IN ATM SYSTEM	1)Dr. D. JAGADISWARY 2)Mrs. M. JULIE THERESE 3)Dr. P. RAJA 4)Dr. A. VIJAYALAKSHMI 5)Dr.R. RAMYA 6)Mr. J. SOUNDARARAJAN	49/20

				7)Ms. N. SASIKALA 8)Ms. C. JANANI 9)Ms. G. THAMIZHAMIZHDHU	
36.	202041051662 A	04.12.2020	DESIGN AND FABRICATION OF FLOWER STRINGING MACHINE	1)Dr.K.VELMURUGAN 2)Mr.R.MANIKANDAN 3)Mr.K.NAVANITHA KRISHNAN 4)Mr.S.ARUL PRADEEP 5)Dr.K.HEMALATHA 6)Dr.D.JAICHITHRA 7)Mrs.G.NAMITHA 8)Mr.C.GUNALAN 9)Mr.M.PRASANNA 10)Mr.J.RAVI TAJA	49/20
37.	202041052231 A	11.12.2020	NOVEL SUPERCONTINUUM GENERATION USING PCF WITH NON - UNIFORM HONEYCOMB CLADDING FOR 35KW PUMP PULSE	1)Dr. RAJESH. A 2)Mr. CHANDRU. S 3)Dr. SHANKAR. T 4)Dr. NAKKEERAN. R 5)Dr. C. V. RAVIKUMAR 6)Dr. LENIN. SB 7)Dr. N. TAMILARASAN 8)Dr. D. SIVANANDAKUMAR 9)Mr. S. KARTHIKEYAN 10)Dr. M. BRAVEEN 11)Mr. S. BALAJI	50/20
38.	202041054878 A	01.01.2021	SMART BELT FOR HEALTH MONITORING OF PREGNANT WOMEN	1)Dr. B. SHANMUGHAM 2)Dr. P. RAJA 3)Dr. J. PRADEEP 4)Dr. A. JAYACHITRA 5)Dr. R. KURINJIMALAR 6)Dr. S. PREMKUMAR 7)Dr. S. B. LENIN 8)Mr. C. SRIDHAR 9)Dr. B. REVATHI ALIAS PONMOZHI 10)Dr. N. TAMILARASAN	01/2021
39.	202041054921 A	01.01.2021	A STRUCTURAL HEALTH MONITORING (SHM) SYSTEM BASED ON INTERNET OF THINGS	1)Dr. A. RAMALINGAM	01/2021
40.	202041055716 A	01.01.2021	PATTERN ORIENTED PATIENT ASSISTANT SYSTEM	1)DR.K.PREMKUMAR 2)MR.M.SHANMUGAM 3)MR.N.GOPINATH 4)DR.E.KODHAI 5)MR.P.KARTHIKEYAN 6)MR.N.BALAJI 7)MRS.C.KALPANA 8)MR. AROKIARAJ CHRISTIAN ST HUBERT	01/2021

41.	202041055969 A	01.01.2021	AN ANALYSIS OF COMPUTATIONAL FLUID DYNAMICS FOR HEAT TRANSFER PROBLEMS	1)DR.SURESH GOVINDAN 2)DR.V.S.K.VENKATACHALAPATHY 3)DR.T.GAYATHRI 4)MRS.KAVITHA 5)MRS.M.SUGASINI 6)MRS.S.P.LAVANYA 7)MR.N.VIJAYAN 8)MR.M.EGALITE FRANCIS 9)MR.M.DEVANATHAN 10)MR.K.RAJA	01/2021
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Patent Granted (Australian Govt Patent)

S.No	Patent number	Publication Date	Title of the invention	Name of Inventor	The Patent Office Journal No
1	2020101595	26/08/2020	DIGITAL SIGNAL PROCESSING TECHNIQUE IN WIRELESS SENSOR AND ACTUATOR NETWORKS FOR LONG-RANGE ENVIRONMENTAL MONITORING	ARULNANTHI SIVAMSWAMINATHAN	-
2	2020101724	09/09/2020	A REINFORCED ABS COMPOSITE MATERIAL OF SPIDER SILK AND ARAMID FIBER ALONG WITH GRAPHENE FOR FABRICATION OF UNMANNED AERIAL VEHICLES	GANESH KUMAR .A,G BALAMURUGAMOZHANRAJ..G	-
3	2020101867	09/09/20	DESIGN AND IMPLEMENTATION OF A DISASTER MANAGEMENT SYSTEM USING IOT AND CLOUD COMPUTING TECHNIQUES FOR A CONNECTED BUILDINGS TO SAVE LIVES WITH EARLY WARNINGS	RAJU. R ARULNANTHI SIVAMSWAMINATHAN	-
4	2020102382	21/10/2020	AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR COVID PREVENTION	L M VARALAKSHMI	-
5	2020103014	09/12/20	COST EFFECTIVE FASTENING BRICKS	S.JAYAKUMAR V.MOORTHY V.S.K. VENKATACHALAPATHY S.SUNDARARAMAN K.VELMURUGAN K.SRINIVASAN S. SIVAPRASATH	-

