



# SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.  
Accredited by NBA (B.Tech – CSE, ECE,EEE,Mech.,Civil and IT) & NAAC with ‘A’ Grade  
Approved by AICTE, New Delhi permanently affiliated to JNTUA, Ananthapuram.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### List of Patents Published During the Academic year 2021-2022:

Sl. No.	Name of the Inventors	Title of the Invention	Application Number	Publication Date	Status
1.	1 . Prof. Muneshwara m s 2 . Dr. Pushpa s k 3 . Dr. Anil g n 4 . Yagnambhatla rajendra 5 . Tapas kumar khuntia 6 . S. Vijay 7 . P. Lokesh kumar reddy 8 . Kavita karambelkar 9 . Dr sherafin jancy vincy 10 . Dr m chandrasekar 11 . Dr. B. Muni lavanya 12 . <b>Dr. P. Dileep kumar reddy</b>	A blockchain based approach to secure the human ethical data from diagnostic centers	202241007014	25/02/2022	Published & Awaiting Request for Examination
2.	1 . Dr. P. Bhargavi 2 . Dr. S. Jyothi 3 . B. Triveni 4 . Dr. K. Usha Rani 5 . <b>Dr. K. Sree Divya</b>	Automatic detection of shoulder pain	202141060116	31/12/2021	Published & Awaiting Request for Examination

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Sl. No.	Name of the Inventors	Title of the Invention	Application Number	Publication Date	Status
1.	1 . K. Venkatarao 2 . A. Chinnamahammad bhasha 3 . Arunkarthikeyan. K 4 . Shaik akram ansari 5 . Sanaka mani kanta 6 . Salman khan 7 . Turaka sandeep kumar 8 . M nagendra 9 . V. Rishikesh 10 .R. Venkata ramana	Automatic planting model based on iot and image processing	202141025517	25/06/2021	Published & Awaiting Request for Examination
2.	1. Dr. Sagar Yeruva 2. <b>Dr. Krishna Prasad PESN</b> 3. Dr. T. Sunil Kumar 4. Dr. Deepak Sukheja 5. Mr. P. Venkateswara Rao 6. Dr. Brahmananda Reddy A 7. Dr. Kousar Nikhath A 8. Dr. D. N. Vasundhra 9. Mr. G. S. Ramesh 10. V. Baby 11. Mr. Ankit Raj Gaddam	DESIGN & DEVELOPMENT OF AN INTELLIGENT SYSTEM TO ANALYZE THE IMPACT OF COVID-19 ON RESPIRATORY SYSTEM USING MACHINE LEARNING	202141017531	23/04/2021	Published & Awaiting Request for Examination
3.	1 . <b>K.Vishnu Vardhan Reddy</b> 2 . <b>K .Hemanth Kumar</b> 3 . <b>N .Puneeth Kumar</b> 4 . <b>Dr. K. Sudheer</b>	INTELLIGENT RANGE ESTIMATOR AND CRASH DETECTOR FOR ELECTRIC VEHICLES	202141002284	22/01/2021	Published & Awaiting Request for Examination

	<p>5 . <b>P.Suresh</b>  6 . <b>Dr. D Srinivasulu Reddy</b>  7 . <b>Dr.N.Sudhakar Reddy</b></p>				
4.	<p>1. J.Pandu  2.B.Prabhakar Rao  3.S.Satyanaraya Reddy  4.S.Prabhakara Rao  5. R. Murali Prasad  6. D. Naga Sudha  7. G.Narayana  8. Ch. Sreenivasa Rao  9.Y.Chakrapani  10.<b>Dr. N. Sudhakar Reddy</b></p>	<p>IMCP-High Stake Examinations: Intelligent Method for Conducting High Stake Examinations Using Machine Learning Platform</p>	2021100092	07/01/2021	Applied and Granted (Australia)
5.	<p>1 . <b>M. Prabhakar</b>  2 . <b>Satya Prakash</b>  3 . <b>P. Liyaz</b>  4 . <b>S.Mohammad Rafi</b>  5 . <b>J.Ramachandraiah</b></p>	<p>MACHINE LEARNING BASED RFID SYSTEM FOR DETECTING TRESPASSERS FOR PROVIDING ENHANCED SAFETY IN AGRICULTURAL FIELDS</p>	202041056478	01/01/2021	Published & Awaiting Request for Examination
6.	<p>1.Dr.Banu Saira  2. Dr.P Boominatham  3. Dr.K R Devabalaji  4. Dr.G.Pavithra  5. Dr. Krishnamoorthy  6. Pravin R.Kshirsagar  7. Dr. B. Muni Lavanya  8. Dr. Manjunath  9. Dr.Manoharam  10. Dr.Hari Prasad  11.Dr. Vijaya Kumar  12.Mrs.Pravailakia  13.<b>Dr.P.Dileep Kumar Reddy</b>  14.J.Swathi  15.MS Yaseen  16.Dr Yuvaraj T  17.Mr Chinnapalli Likthi</p>	<p>AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR CLINICAL INVESTIGATION OF GLAUCOMA IN COLOR</p>	2020104399	30/12/2020	Applied and Granted (Australia)

7.	<ol style="list-style-type: none"> <li>1 . <b>G Saketh</b></li> <li>2 . <b>Mosuru Poojitha</b></li> <li>3 . <b>Dr. P.E.S.N. Krishna Prasad</b></li> <li>4 . <b>Dr. D Srinivasulu Reddy</b></li> <li>5 . <b>Dr. N. Sudhakar Reddy</b></li> <li>6 . <b>M. Vikram</b></li> <li>7 . <b>Dr. B Ramasubba Reddy</b></li> </ol>	SOIL ANALYSIS USING DEEP LEARNING	202041047613	30/10/2020	Published & Awaiting Request for Examination
8.	<ol style="list-style-type: none"> <li>1. A.Narasima Venkatesh</li> <li>2. Sudhanshu Maurya</li> <li>3. Ashish Khaira</li> <li>4. Santhosh B M</li> <li>5. Brahmaddutt Bohra</li> <li>6. Prakash K K</li> <li>7. G T Prasanna Kumari</li> <li>8. Jasmine Sabeena</li> <li>9. G .Madhavi Latha</li> <li>10.Prakash Chandra Behera</li> <li>11.Chinmaya Dash</li> <li>12.Bibhu Kalyan Mishra</li> <li>13. Anil Kumar.N</li> <li>14. <b>N.Narendra Reddy</b></li> <li>15.Kailash Kumar</li> <li>16. hariprasth Manoharam</li> <li>17. Pravin R.Kshirsagar</li> </ol>	AN ARTIFICIAL INTELLIGENCE BASED REAL TIME DROWSINESS DETECTION SYSTEM	2020102320	14/10/2020	Applied and Granted (Australia)
9.	<ol style="list-style-type: none"> <li>1 . Dr. Sandeep Gupta</li> <li>2 . Vasudeva Nayaka K B L</li> <li>3 . Dr. Santhosh B M.</li> <li>4 . Dr. Prakash K K</li> <li>5 . Prakash Chandra Behera</li> <li>6 . Dr. G H Pujar</li> <li>7 . Chinmaya Dash</li> <li>8 . Dr. Nivetha Martin</li> <li>9 . Bibhu Kalyan Mishra</li> <li>10 . Dr.G. Ramkumar</li> <li>11 . U Rakesh</li> </ol>	IAIP-INTERACTIVE BUSINESS DATA: INTERACTIVE INTELLIGENT BUSINESS DATA VISUALIZATION USING AI- BASED PROGRAMMING.	202011041959	23/10/2020	Published & Awaiting Request for Examination

	12 . K Alluraiah 13 . <b>D.Prem Kumar</b> 14 . <b>B. Balakonda Reddy</b> 15 . <b>K. Bhanu Prakash</b>				
10.	1.Pravin R. Kshirsagar 2. F.X Edwin Deepak 3.J.Thomas Joseph Prakash 4.W.Ritha 5. Naresh sammeta 6. R. Raja kumar 7.T.S.Sandeep 8. G.Ramesh 9.S.M.Shamaheer daula 10. G.Amjad Khan 11. M. Madhusudhan Reddy 12. <b>K.Manoj kumar</b> 13.N.Ramila Gandhi 14.P.Pandiammal 15.G.Ram kumar 16. <b>P.M.D. Ali khan</b>	AN IOT ENABLED FOOT OPERATED TWO WHEELER STEERING MECHANISM FOR HANDICAPPED PERSONS	2020102133	30/09/2020	Applied and Granted (Australia)
11.	1 . Pravin R. Kshirsagar 2 . T. S. Sandeep 3 . <b>B. Ramakantha Reddy</b> 4 . A. Basi Reddy 5 . <b>P. Liyaz</b> 6 . S. Swarnalatha 7 . D. Yaso Omkari 8 . <b>M. Srilakshmi Preethi</b> 9 . <b>Veluru Gowri</b> 10 . <b>Reddicherla Venkata Ramana</b> 11 . P. Lokesh Kumar Reddy 12 . <b>M. Prabhakar</b> 13 . <b>B. Surendra Reddy</b> 14 . <b>P. M. D. Ali Khan</b> 15 . L. Lakshmaiah	AN INTERNET OF THINGS BASED SYSTEM FOR BICYCLE	202041030734	11/09/2020	Under Examination

12.	<ol style="list-style-type: none"> <li>1. Dr. K. Sekar ,</li> <li>2. B.Rama Subba Reddy,</li> <li>3. A. Saritha</li> </ol>	AN ARTIFICIAL INTELLIGENCE BASED VOICE INTERACTIVE DEVICE	2020101366	05/08/2020	Applied and Granted (Australia)
13.	<ol style="list-style-type: none"> <li>1. Dr. Balajee Maram</li> <li>2. Dr. V. Srinadh</li> <li>3. Mr. Dutta Sai Waswari</li> <li>4. Dr. Sankar P</li> <li>5. Dr. A. Suresh</li> <li>6. Dr. Raj Ankush Soshte</li> <li>7. Dr. G. Venkata Suresh Babu</li> <li>8. Dr. Anil J Patil</li> <li><b>9. Dr. R. Swathi</b></li> <li>10. Mr. K. Vinod Kumar</li> <li><b>11. Mr. Karamala Naveen</b></li> <li>12. Mr. K. Alluraiah</li> <li>13. Mr. Vijay Dattatray Chaudhari</li> <li>14. Mr. Girish H</li> <li>15. Dr. Pravin R Kshirsagar</li> <li>16. Dr. Parvinder Bangar</li> </ol>	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED TRAFFIC CONTROL SYSTEM	2020101880	18/08/2020	Applied and Granted (Australia)
14.	<ol style="list-style-type: none"> <li>1.Dr. Kamal Gulati</li> <li>2.Dr. Pravin R Kshirsagar</li> <li>3.Mr. Vishal Sathawane</li> <li>4.Dr. RAJA SARATH KUMAR BODDU</li> <li>5.Dr. Anoop Kumar Chaturvedi</li> <li><b>6.Mr. K. Manoj Kumar</b></li> <li><b>7.Mr. Maditham Vikram</b></li> <li>8.Mrs. K. Sree Divya</li> <li>9.Mrs. Agarala Jyothsna</li> <li><b>10.Mrs. A. Revathi</b></li> <li><b>11.Mrs. K. Santhi</b></li> <li><b>12.Mr. N. Phani Kumar</b></li> <li><b>13.Mr. Srinivasulu Sirisala</b></li> <li><b>14.Mr. G. Rajeswarappa</b></li> </ol>	AN ARTIFICIAL INTELLIGENCE BASED SYSTEM TO ASSIST BLIND PERSON	2020101563	29/07/2020	Applied and Granted (Australia)
15.	<ol style="list-style-type: none"> <li>1 . Pravin R. Kshirsagar</li> <li>2 . J. Ramkumar</li> <li>3 . M. Sirish Kumar</li> </ol>	A CLOUD COMPUTING BASED SYSTEM FOR REMOTE SURVEILLANCE OF HAZARDOUS ACTIVITIES	202021026856	17/07/2020	Under Examination

	4 . Sheik Saidhbi 5 . A. Basi Reddy 6 . <b>Srinivasulu Sirisala</b> 7 . <b>G. Rajeswarappa</b> 8 . L. Lakshmaiah 9 . <b>K. Manoj Kumar</b> 10 . Priyabrata Sahu 11 . Ashish Sheshrao Bhaisare 12 . P. Sherubha 13 . S.P. Sasi Rekha 14 . T. C. Manjunath 15 . Kailash Kumar 16 . S. Shanmugam				
16.	1. Dr. A. Chandrashekhhar 2. Dr. G. Ramesh 3 . B. Muni Lavanya 4 . Dr. P. Pavan Kumar 5 . Dr. P. Dhanalakshmi 6 . P. Gopala Krishna 7 . <b>Dr. P. Dileep Kumar Reddy</b>	SONIFICATION FOR DATABASE ADMINISTRATORS (SONIDBA)	202041026317	03/07/2020	Under Examination

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1.	1 . Dr.Pravin R.Kshirsagar 2 . Dr. Siva Shankar S <b>3 . Dr.R.Swathi</b> 4 . Dr.K.Sangeetha 5 . Dr.Anuradha.S.G 6 . Mr.T.S.Sandeep 7 . Mr.S.Shanmugam 8 . Mr.Suman Kumar Choudhary 9 . Dr. Hariprasath Manoharan 10 . Ms. Kirti A. Joshi 11 . Mr.Swagat Madhav Karve 12 . Sana-ur-Rahman 13 . Mr.Akshay Anil Jadhav	System and Method to classify mental tasks	202041022085	12/06/2020	Published & Awaiting Request for Examination
2.	1 . Dr.P.Sivakumar 2 . Dr.D.Sivabalaselvamani 3 . Dr.L.Rahunathan 4 . Dr. P Veeresh 5 . <b>Mrs. K. Santhi</b> 6 . Mr. S. Manikandan 7 . Mr.N.Gobinathan 8 . Dr.Maria Manuel Vianny	Automated vegetation mapping approach of crops through satellite image fusion and convolution neural networks-based classification	202041014696	15/05/2020	Under Examination
3.	1. Dr. J.m. Gnanasekar 2. Mr. Himanshu kumar diwedi 3. Mr. K manoj kumar 4. Dr. Veeramalai sankaradass 5. Dr. Munish sabharwal 6. Dr. S. Selvakumar 7. Dr. Mohit agarwal	A novel block-based reinforcement learning move toward for resource allocation in clustered iot networks	202041005374	14/02/2020	Under Examination

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