

Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

The Society For Collegiate Education Affiliated to Andhra University, Approved by AICTE # 52-14-75, Resapuvanipalem, Visakhapatnam - 530 013. Ph : Off : 0891-2703293, 2703296 Email : principal@lbce.edu.in Website : www.lbce.edu.in

**3.2.1** Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

#### (1) Ecosystem for Innovation and Indian Knowledge System

Dr.Lankapalli Bullayya College of Engineering (LBCE) builds and nurtures an ecosystem for innovation and Indian Knowledge System that provides the platform for Faculty Members and students to apply their knowledge to the solution of societal problems through its Research & Development Cell, Entrepreneurship Innovation and Startup Cell and Institute Innovation Cell, Skill Development Centre.

**Research and Development Cell:** R&D Cell is a hub of innovation, research and amalgamation of various ideas woven to create patents. R&D Cell nurtures the research in the areas of Engineering, Science. R&D Cell motivates students and faculty to submit their ideas for Intellectual Property Rights. R&D Cell conducts workshops on Research Methodology, Intellectual Property Rights. Patents are filed and published by few faculty members.

**Entrepreneurship Innovation and Startup Cell:** Entrepreneurship Innovation and Startup Cell (EISC) was established to create entrepreneurial culture in academics and to nurture techno entrepreneurship for generation employment and of wealth among the students. ESIC creates awareness on entrepreneurship, its importance and need among students and organizes various Idea contests, Entrepreneurship Development workshops for students regularly.

**Institution's Innovation Council:** LBCE has established Institution's Innovation Council (IC202220942) in September 2022 as per the norms of the Innovation Cell, Ministry of Education, Govt of India. Primary role is to engage faculty, students in various innovation related activities such as ideation, Concept development, Design Thinking, project handling at incubation stage etc.,

**NPTEL Local Chapter:** LBCE has the NPTEL Local Chapter where the students and faculty upgrade themselves by completing courses on latest technologies.

**Skill Development Centre:** The Skill Development Centre provides Campus Recruitment Training and Domain Specific Training. In the former students are trained on the overall set of skills required to face a recruitment drive from any company. In the latter students are trained on domain specific areas particular to various organizations.

**ISRO Nodal Centre:** LBCE has been the network institute of Indian Institute of Remote Sensing (IIRS) outreach network from January 2023. Students and faculty from LBCE and other Institutes participates in Online Certificate Programmes of IIRS, ISRO.

**Indian Knowledge System**: The college always imbibes Indian Knowledge System into all areas of learning and activities. Students learn the rich cultural heritage of India through curriculum content and observation of nationally significant days, festivals and events.

#### (2) Initiatives for Creation and Transfer of Knowledge

1. Create a platform for students and faculty to innovate research ideas and develop a way to see their ideas turn into reality in the form of patents, innovative projects, products. Few patents are filed and published by faculty.

2. Encourages the faculty and students to publish research papers, book chapters in reputed journals like web of science, SCI, Scopus indexed etc. Reasonable number of the faculty published their work in Journals, Books and Book Chapters and Conferences.

3. Special focus on student startups and Entrepreneurship development. One startup has been registered.

4. Transfer of Knowledge by conducting events like idea contests, project exhibitions, Hackathons workshops on Research, IPR and Entrepreneurship.

### Criterion 3- Research, Innovations and Extension

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/ technology and the outcomes of the same are evident

S.No	Event	Date	Page Number
1	Patents Published by Faculty Members		04-23
2	Idea Storm 2023	February 2023	24-30
3	Idea Contest 2022	17-11-2022 to 19-11-2022	31-42
4	Entrepreneurship and Leadership Development Program (ELDP Boot Camp)	January 2022 to June 2022	43-50
5	IIC Establishment Certificate	27-09-2022	51
6	Network institute of IIRS Outreach Programme	25-01-2023	52

# Criteria 3- Research, Innovations and Extension

	Patents Published by Faculty Members							
S.N o	Name of faculty	Patent Title	Date of filing of Application	Year	Application No	Publication Date	Patent Journal No	LINK
1	Dr. Doppalapudi Deena Bandhu	Rare-Earth Doped Material Platforms For Quantum Nanophotonics Process	01-10-2022	2022	202221056581 A	14-10-2022	41/2022 Dated 14/10/20 22	
2	Ms.M.Amreswari Reddy	A Novel Model for Prediction of Patient Specific Dental		30-08-2022	202241049355 A		37/2022	https://se arch.ipind ia.gov.in/I POJourna I/Journal/ ViewJour nal
3	Ms.M.Amreswari Reddy	A learning system for Manufacturing process optimization using restricted BOLTZMANN machines and multi-objective evolutionary model.		02-04-2022	202241004951 A		44682	https://se arch.ipind ia.gov.in/l POJourna I/Journal/ ViewJour nal
4	Dr.Jayavani Vankara	A Real time system for classifying and generating skeleton of objects using ML techniques	27-07-2021	2021	202141033792	06-08-2021	32/2021 Dated 06/08/20 21	https://ip india.gov. in/writer eaddata/ Portal/IP OJournal/ 1_5001_1 /Part- 1.pdf
5	Dr.Jayavani Vankara	A System and Method for Cleaning and Sanitizing Large Utensils Using ML Interface	21-06-2021	2021	202111027588	16-07-2021	29/2021 Dated 16/07/20 21	https://ip india.gov. in/writer eaddata/ Portal/IP OJournal/ 1_4995_1 /Part- 1.pdf
6	Dr.Jayavani Vankara	Reminder Data Segregation System for Smart Wearable Device.	09-03-2020	2020	202041010225 A	13-03-2020	11/2020 Dated 13/03/20 20	https://ip india.gov. in/writer eaddata/ Portal/IP OJournal/ 1_4852_1 /Part- 1.pdf

7	Dr.Jayavani Vankara	System & Method for Intelligent Virtual Stock Trading and Management Using Machine Learning Approach	20-07-2021	2021104362, Australian Government, IP Australia.			http://pe ricles.ipa ustralia.g ov.au/ols/ epublish/ content/o lsPatents PdfDownl oad?id=1 046
8	Muddada Murali Krishna	System & Method for Intelligent Virtual Stock Trading and Management Using Machine Learning Approach	20-07-2021	2021104362	20 6.	0211043 2	http://pe ricles.ipa ustralia.g ov.au/ols/ auspat/q uickSearc h.do?que ryString= 20211043 62&result sPerPage
9	R.SRIDEVI	REAL TIME 3D PRINTING OF REMOTE OBJECT THROUGH IOT CLOUD COMPUTING SYSTEM INTERFACED 3D SCANNER	12-01-2021	2021100150	2(	0211001 0	http://pe ricles.ipa ustralia.g ov.au/ols/ auspat/q uickSearc h.do?que ryString= 20211001 50&result sPerPage =
10	S.SIVA JYOTHI	GENERATING AND STABLIZING NANO BUUBLES FOR THERAPEUTIC APPLICATION	01-10-2021	202141000000		0214104 60	https://d ocs.googl e.com/sp readsheet s/d/1BxZ 5bbUBuk a7uaQavL c7FDszJ5Z E_10A9s wYcphovk k/edit?us p=sharing
11	S.SIVA JYOTHI	LONG-LASTING SOLID-STATE BATTERIES FOR FUTURE ELECTRIC VEHICLE SYSTEM	20-08-2021	202111032644 A		0214104 60	https://d ocs.googl e.com/sp readsheet s/d/1BxZ 5bbUBuk a7uaQavL c7FDszJ5Z E_10A9s wYcphovk k/edit?us p=sharing
12	R.SRIDEVI	REVERSABLE DATA HIDING IMAGE ENHANCEMENT SYSTEM WITH 2D HISTOGRAM	30-10-2020	202041044846 A	44	4/2020	https://ip india.gov. in/writer eaddata/ Portal/IP OJournal/ 1 4921 1

						<u>/Part-</u> <u>1.pdf</u>
13	Dr.K.ANU RADHA	COMPUTER- IMPLEMENTED SYSTEM FOR RECOGNIZING SPEECH USING ARTIFICIAL NEURAL NETWORKS	02-10-2020	202041005679	17/2020	https://ip indiaservi ces.gov.in /PatentSe arch/Pate ntSearch/ ViewAppl icationSta tus
14	Dr G VamsiKrishna	Optimized TDMA based Scheduling Technique for Network Coding	01-03-2020	201941054320		https://ip indiaservi ces.gov.in /PatentSe arch/Pate ntSearch/ ViewAppl icationSta tus

#### (21) Application No.202221056581 A

(19) INDIA

(22) Date of filing of Application :01/10/2022

(43) Publication Date : 14/10/2022

#### (54) Title of the invention : RARE-EARTH DOPED MATERIAL PLATFORMS FOR QUANTUM NANOPHOTONICS PROCESS

<ul> <li>(51) International classification</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul></li></ul>	:B82Y0030000000, C09K0011650000, B82Y0040000000, B82Y0020000000, G01N0033574000 :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)Dr. Laxmi Ganesh Kathawate</li> <li>Address of Applicant : Assistant Professor, Department of Chemistry, Rayat Shikshan</li> <li>Sanstha's, Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, Maharashtra, India, Pincode:</li> <li>414001 Ahmednagar</li></ul></li></ul>
		7)Ms. Swati Kurmi Address of Applicant :Research Scholar, Department of Physics, Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh, India, Pincode: 470003 Sagar

(57) Abstract :

The graphene quantum dot-rare earth up-conversion nanocomposite material, as well as a method of preparing the material and an application for it, are the focus of the invention. The following procedures make up the various stages of the process for manufacturing histidine-hexamethylenediamine functionalized graphene quantum dots: heating the mixture at 150-200 °C for reacting for 0.5-4 hours to obtain histidine-hexamethylenediamine functionalized graphene quantum dots, and performing in-situ hydrothermal synthesis to obtain a compound. The method includes the steps of uniformly mixing citric acid, histidine, and hexamethylenediamine and then fully dissolving them with deionized water. The molar ratio of citric acid to histidine to In order to create an up-conversion bio sensing nano platform for detecting carcinoembryonic antigen CEA, the generated composite material may be put to use.

No. of Pages : 26 No. of Claims : 4

#### (21) Application No.202241049355 A

(19) INDIA

(22) Date of filing of Application :30/08/2022

(43) Publication Date : 16/09/2022

(54) Title of the invention : A Novel Model for Prediction of Patient Specific Dental Implantation Design Parameters

<ul> <li>(51) International classification</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B82Y0030000000, C08L0077060000, A61P0011020000, A61L0009030000, A61P0031060000 :PCT/// :01/01/1900 : NA <sup>n</sup> :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Ms.M.Amareswari Reddy <ul> <li>Address of Applicant : Assistant Professor, Dr.Lankapalli</li> </ul> </li> <li>Bullaayya College of Engineering, Resapuvanipalem, <ul> <li>Visakhapatnam, Andhra Pradesh, India. Pin Code:530013</li> </ul> </li> <li>Visakhapatnam</li></ul>
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#### (57) Abstract :

The present disclosure is a Novel Model for Prediction of Patient-Specific Dental Implantation Design Parameters utilizing a series of hybrid models: a fuzzy-hybrid model; Response Surface Methodology (RSM) with Genetic Algorithms (GA); and a hybrid FEM-GADNN model. The Fuzzy-Hybrid Model assists in determining acceptable patient-specific material by considering patient criteria like age, alcoholism, diabetes, vegetarianism, and bone density at the planned dental implant. The Fuzzy-Hybrid Model proposes a method for intelligently rating materials or alternatives based on the criteria of the patient. The Response Surface Methodology (RSM) with Genetic Algorithms (GA) model provides intelligent modeling used as an optimization technique for the wire electrical discharge machining process (WEDM) to identify optimal process parameters. The Hybrid FEM-GADNN model aids in forecasting dental implant stress, strain, and deformation based on the patient's needs. In addition to the patient criteria utilized in the Fuzzy-Hybrid Model, the Hybrid FEM-GADNN model employs a patient criterion that includes bone density, implant diameter, and length. The proposed model generates optimized dental design factors such as stress, strain, and deformation with an accuracy of 95.1%, 94.8%, and 95.0%, respectively.

No. of Pages : 21 No. of Claims : 8

#### (21) Application No.202241004951 A

(19) INDIA

(22) Date of filing of Application :29/01/2022

(43) Publication Date : 04/02/2022

# (54) Title of the invention : A LEARNING SYSTEM FOR MANUFACTURING PROCESS OPTIMIZATION USING RESTRICTED BOLTZMANN MACHINES AND MULTI-OBJECTIVE EVOLUTIONARY MODEL

		<ul> <li>(71)Name of Applicant :</li> <li>1)Ms.M.Amareswari Reddy Address of Applicant :Assistant Professor, Dr.Lankapalli Bullaayya College of Engineering, Resapuvanipalem, Vishkapatanam, Andhra Pradesh, India. Pin Code:530013</li> </ul>
<ul> <li>(51) International classification</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06N0003080000, G06Q0010060000, G05B0013040000, G06Q0010040000, G06N0020000000 :PCT// :01/01/1900 : NA <sup>n</sup> :NA :NA :NA	<ul> <li>2)Prof K.Venkata Subbaiah</li> <li>3)Dr.Challa Suresh</li> <li>Name of Applicant : NA</li> <li>Address of Applicant : NA</li> <li>(72)Name of Inventor : <ol> <li>1)Ms.M.Amareswari Reddy</li> <li>Address of Applicant : Assistant Professor, Dr.Lankapalli</li> <li>Bullaayya College of Engineering, Resapuvanipalem,</li> <li>Vishkapatanam, Andhra Pradesh, India. Pin Code:530013</li> </ol> </li> <li>2)Prof K.Venkata Subbaiah</li> <li>Address of Applicant :Head of the Department, Department of</li> <li>Mechanical Engineering, Andhra University College of</li> <li>Engineering, Vishkapatanam, Andhra Pradesh, India. Pin</li> <li>Code:530003</li></ul>
		Address of Applicant :Associate Professor, Department of Mechanical Engineering, Avanthi Institute of Engineering and Technology, Makavarapalem, Narsipatnam, Visakhapatnam, Andhra Pradesh, India. Pin Code:531113

#### (57) Abstract :

The present invention discloses a learning system for manufacturing process optimization is provided with restricted Boltzmann machines and a multi-objective evolutionary model. The present invention is provided to yield optimized process factors comprising, but not limited to, Material selection based on requirement and execution of the experiment on the WEDM machine; A novel hybrid learning model to generate the optimized process factors; Calculate and execute the layers in accordance with the desired accuracy. Further, the hybrid model's first component is a restricted Boltzmann machine and the second component is a Multi Objective evolutionary model that blends two different models.

No. of Pages : 27 No. of Claims : 10

#### (21) Application No.202141033792 A

(19) INDIA

#### (22) Date of filing of Application :27/07/2021

(43) Publication Date : 06/08/2021

# (54) Title of the invention : A REAL-TIME SYSTEM FOR CLASSIFYING AND GENERATING SKELETON OF OBJECTS USING ML TECHNIQUES •

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	G06K0009000000,	2)B. Prema Sindhuri
(51) International classification	G06N0003080000,	3)Somesh Srivastava
	G06N0003040000,	4)Mr.Gaurav Kumar
	G06K0009460000	5)Dr. Arunava De
(31) Priority Document No	:NA	6)Dr. Jayavani Vankara
(32) Priority Date	:NA	7)Dr. Satyasundara Mahapatra
(33) Name of priority country	:NA	8)Dr. Lambodar Jena
(86) International Application No	:NA	9)Dr. B. B. V. Satya Vara Prasad
Filing Date	:NA	10)Dr. K. K. Goyal
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	1)Dr. M.Anusha
Number	:NA	2)B. Prema Sindhuri
Filing Date		3)Somesh Srivastava
(62) Divisional to Application Number	:NA	4)Mr.Gaurav Kumar
Filing Date	:NA	5)Dr. Arunava De
		6)Dr. Jayavani Vankara
		7)Dr. Satyasundara Mahapatra
		8)Dr. Lambodar Jena
		9)Dr. B. B. V. Satya Vara Prasad
		10)Dr. K. K. Goyal

#### (57) Abstract :

A REAL-TIME SYSTEM FOR CLASSIFYING AND GENERATING SKELETON OF OBJECTS USING ML TECHNIQUES [033] The present invention discloses a real-time system for classifying and generating skeleton of objects using artificial intelligence and Machine learning interfaces. The method and system includes, but not limited to, image capturing device having a scanning functionality with three dimensional data representing an image with its varied environment; a processing unit having an object recognition module for recognizing the object from the image with its varied environment; a skeleton creation unit configured to generate a two-dimensional image frame on recognizing the object by the object recognition module by using a Convolutional Neural Network (CNN) Module. Further, the object is classified and a 2D skeleton of the object determined by a neural network, machine learning modules and AI interfaces, and a 3D skeleton is determined by mapping the 2D skeleton to 3D. Accompanied Drawing [FIG. 1]

No. of Pages : 22 No. of Claims : 9

#### (21) Application No.202111027588 A

(19) INDIA

#### (22) Date of filing of Application :21/06/2021

(43) Publication Date : 16/07/2021

# (54) Title of the invention : A SYSTEM AND METHOD FOR CLEANING AND SANITIZING LARGE UTENSILS USING ML INTERFACE

(51) International classification	:G06N0020000000, A47L0015000000, A47L0015420000, B08B0009032000,	<ul> <li>(71)Name of Applicant :</li> <li>1)Ms. Esha Tripathi <ul> <li>Address of Applicant : Assistant Professor Information</li> </ul> </li> <li>Technology Pranveer Singh Institute of Technology, Kanpur,</li> <li>Uttar Pradesh Dr. A.P.J. Abdul Kalam Technical University,</li> <li>Lucknow Uttar Pradesh India</li> <li>2)Dr.G.Madhavi</li> <li>3)Mr.Gaurav Kumar</li> <li>4)Dr. Jayavani Vankara</li> </ul>
<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	B08B0009032000, A61L0002180000 :NA :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>4)Dr. Jayavani vankara</li> <li>5)Mr. Bhupati</li> <li>6)J.Rajasekhar</li> <li>7)Mr.Mahima Shanker Pandey</li> <li>8)Digvijay Singh</li> <li>9)Dr. Yogesh Misra</li> <li>10)Thella.Sunitha</li> <li>(72)Name of Inventor : <ol> <li>1)Ms. Esha Tripathi</li> <li>2)Dr.G.Madhavi</li> <li>3)Mr.Gaurav Kumar</li> <li>4)Dr. Jayavani Vankara</li> <li>5)Mr. Bhupati</li> <li>6)J.Rajasekhar</li> <li>7)Mr.Mahima Shanker Pandey</li> <li>8)Digvijay Singh</li> <li>9)Dr. Yogesh Misra</li> <li>10)Thella.Sunitha</li> </ol> </li> </ul>

#### (57) Abstract :

The present invention discloses a system for cleaning and sanitizing large utensils using machine learning and artificial intelligence interfaces. The present invention includes, but not limited to, a plurality of sprayers for providing supply of water, liquid detergent and sanitizing agent as per the instruction provided by a processing unit. Further, the processing unit is provided with artificial intelligence and machine learning interfaces to validate the flow of all supplied articles water, liquid detergent and sanitizing agent. In operation, a flow of water is directed to the dishwasher. A sanitizing agent is added to the water in the reservoir to form a sanitizing solution which is circulated throughout the enclosure. After the sanitizing process, the utensil is drained in a separate reservoir and the reservoir is filled with fresh water for rinsing the utensil once again.

No. of Pages : 21 No. of Claims : 8

(19) INDIA

#### (22) Date of filing of Application :09/03/2020

#### (54) Title of the invention : REMINDER DATA SEGREGATION SYSTEM FOR SMART WEARABLE DEVICE

(51) International :G06F0001320600,G16H0040630000,H04N0021466000,G08B0021020000,G16H0050200000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No (87) International Publication NA No (61) Patent of Addition to (61) Patent of Addition to (61) Patent of Addition to Filing Date (62) Divisional to Application :NA Number Filing	(71)Name of Applicant : 1)Jayavani Vankara Address of Applicant :Dr. Lankapalli Bullayya College of Engineering for Women, Rama Talkies Road, Old TB Hospital Area, Resapuvanipalem, Dwaraka Nagar, Visakhapatnam, Andhra Pradesh-530013, India Andhra Pradesh India 2)Dr.N.Sharmili 3)T. Sunitha 4)Anusha Pureti 5)V. Siva Parvathi (72)Name of Inventor : 1)Jayavani Vankara 2)Dr.N.Sharmili 3)T. Sunitha 4)Anusha Pureti 5)V. Siva Parvathi (72)Name of Inventor : 1)Jayavani Vankara 2)Dr.N.Sharmili 3)T. Sunitha 4)Anusha Pureti 5)V. Siva Parvathi
Application :NA	
Filing	
Date	
(57) Abstract :	<u> </u>

(5/) Abstract

ABSTRACT: Title: Reminder Data Segregation System for Smart Wearable Device The present disclosure proposes a reminder data segregation system 100 for smart wearable device that accumulates and segregates all the data into plurality of classified groups like work, family, general, meeting and thereof based on either priority or kind of data. The reminder data segregation system 100 comprises a voice recognition means 101, a processing means 102, a synchronizing means 103, a reminder generating means 104, a segregation means 105, a notification means 106, a positioning means 107, a device coordinating means 108, and a storage means 109. The system 100 segregates all the data into particular classified groups based on either priority or kind of reminder being added using deep learning methods and customized at any time. The system 100 allows the device to coordinate with nearby smart electronic devices to notify or alert the user customizable reminder message at user customizable time i.e., data list according to the time period requested by user. The system 100 aids to alert caution to user in prior if any time conflicts persists among all the categorized groups in planning.

No. of Pages : 20 No. of Claims : 10

(21) Application No.202041010225 A



**IP** Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

#### Patent number: 2021104362

The Commissioner of Patents has granted the above patent on 11 May 2022, and certifies that the below particulars have been registered in the Register of Patents.

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#### Title of invention:

SYSTEM & METHOD FOR INTELLIGENT VIRTUAL STOCK TRADING AND MANAGEMENT USING MACHINE LEARNING APPROACH

#### Name of inventor(s):

Sarangi, Saroj Kumar; Vankara, Jayavani; Deshmukh, Madhukar; Krishna, Muddada Murali; Kanhar, Debananda; Mohanty, Rajanikanta; Dixit, Prashant; Suman, Shruti; Chaudhary, Juhi and Sharma, Tripti

#### Term of Patent:

Eight years from 20 July 2021



Dated this 11<sup>th</sup> day of May 2022

**Commissioner of Patents** 

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

This data, for application number 2021104362, is current as of 2023-06-19 21:00 AEST



**IP** Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

#### Patent number: 2021104362

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 11<sup>th</sup> day of May 2022

**Commissioner of Patents** 



**IP** Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100150

The Commissioner of Patents has granted the above patent on 19 May 2021, and certifies that the below particulars have been registered in the Register of Patents.

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R. Sridevi of Dr.Lankapalli Bullayya Engg College, Resapuvanipalem Visakhapatnam, Andhra Pradesh 530013 India

V. Arun of 25, Bharati Nagar, Belur (post) Salem TamilNadu, India

#### Title of invention:

Real time 3D printing of Remote Object through IOT Cloud Computing System interfaced 3D Scanner

#### Name of inventor(s):

Arun, M R; Sahoo, Santosh Kumar; Nayak, Bhagirathi; Indrani, B.; K G M, Pradeep; Bakhtiani, Rashmi; Pandian, M.; Kaliappan, Nandagopal; Karpurapu, Amit Bindaj; Sridevi, R. and Arun, V.

#### Term of Patent:

Eight years from 12 January 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 19<sup>th</sup> day of May 2021

Commissioner of Patents

#### Extracts from the Patents Act, 1990

Sect 120(1A)	Infringement proceedings in respect of an innovation patent cannot be started
	unless the patent has been certified.
Sec 128	Application for relief from unjustified threats
(1)	Where a person, by means of circulars, advertisements or otherwise, threatens
(1)	a person with infringement proceedings or other similar proceedings a person
	aggrieved may apply to a prescribed court, or to another court having
(-)	jurisdiction to hear and determine the application, for:
(a)	a declaration that the threats are unjustifiable; and
(b)	an injunction against the continuance of the threats; and
(C)	the recovery of any damages sustained by the applicant as a result of the threats.
(2)	Subsection (1) applies whether or not the person who made the threats is
	entitled to, or interested in, the patent or a patent application.
Sec 129A	Threats related to an innovation patent application or innovation patent
	and courts power to grant relief.
Certain threats of infrin	gement proceedings are always unjustifiable.
(1)	lf:
(a)	a person:
	(i) has applied for an innovation patent, but the application has not been
	determined; or
	(ii) has an innovation patent that has not been certified; and
(b)	the person, by means of circulars, advertisements or otherwise, threatens a
	person with infringement proceedings or other similar proceedings in respect of
	the patent applied for, or the patent, as the case may be;
	then, for the purposes of an application for relief under section 128 by the
	person threatened, the threats are unjustifiable.
Courts power to grant	relief in respect of threats made by the applicant for an innovation patent or the
patentee of an uncertif	ied innovation patent
(2)	If an application under section 128 for relief relates to threats made in respect
	of an innovation patent that has not been certified or an application for an
	innovation patent, the court may grant the application the relief applied for.
Courts power to grant	relief in respect of threats made by the patentee of certified innovation patent
(3)	If an application under section 128 for relief relates to threats made in respect
	of a certified innovation patent, the court may grant the applicant the relief
	applied for unless the respondent satisfies the court that the acts about which
	the threats were made infringed, or would infringe, a claim that is not shown by
	the applicant to be invalid.
Schedule 1	Dictionary
	<i>certified</i> , in respect of an innovation patent other than in section 19, means a
	certificate of examination issued by the Commissioner under paragraph

101E(e) in respect of the patent

#### (21) Application No.202141041760 A

(19) INDIA

(22) Date of filing of Application :15/09/2021

(43) Publication Date : 01/10/2021

#### (54) Title of the invention : Generating and stabilizing nano bubbles for therapeutic application

<ul> <li>(51) International classification</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 31/713 :PCT// :01/01/1900 : NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>IJMr. Venkateswara Rao Roniki</li> <li>Address of Applicant :Senior Assistant Professor Department of Physics Lendi Institute of Engineering and Technology Vizianagarm, Andhra Pradesh, India Pincode-535005</li></ul>
		Osmania University Siddipet, Telangana, India Pincode: 502103 8)Mrs. Janbee shaik Address of Applicant :Research Scholar Department of Chemistry Acharya Nagarjuna University, Guntur, Andhra Pradesh, India Pin code: 522510 9)Mrs. Kavati Shireesha
		Address of Applicant :M.Sc (Chemistry) Student Chaitanya Deemed to be University Kishanpura, Hanamkonda, Warangal, Telangana, India Pincode: 506001 10)Dr. Venkata Naga Baji Tokala Address of Applicant :Assistant Professor Department of Chemistry Rajiv Gandhi University of Knowledge Technologies - AP, Nuzvid campus, Nuzvid, Andhra Pradesh, India Pincode: 521202
		<ul> <li>11)Mr. Nellore Manoj Kumar</li> <li>Address of Applicant :15-356, Gollapalem, Venkatagiri, SPSR Nellore District, Andhra</li> <li>Pradesh, India Pincode -524132</li></ul>

(57) Abstract :

The non-specific distribution of medicinal products and other therapeutic molecules leads to lower clinical effectiveness by their lack of selective approach to cancer cells and undesirable offtarget side effects. There are, therefore, more acceptance for therapy and cancer treatment by ultrasound, focused delivery of therapeutic molecules packaged into clever nanomedicines. Nanobubbles (N.B.s) are nanosize transporters presently utilized as efficient systems for delivering medicines and genes because they can selectively deliver medications to specific locations. There has recently been a demonstration of an enhanced location of anticancer molecules in tumor tissues and prompted release comportment when ultrasonic treatments were combined with NBC. Thus, an effective therapeutic concentration of drugs/genders in target tumor tissues with eventually enhanced treatment effectiveness and low side-effects on other not carcinogenic tissues is obtained.

No. of Pages : 26 No. of Claims : 5



#### FORM 2

THE PATENTS ACT, 1970

(39 of 1970)

&

The Patent Rules, 2003

### COMPLETE SPECIFICATION

(See section 10 and rule 13)

10

5

#### TITLE OF THE INVENTION

# LONG-LASTING SOLID-STATE BATTERIES FOR FUTURE ELECTRIC VEHICLE SYSTEM

NAME	NATIONALITY	ADDRESS
<ol> <li>Dr. Tirumalasetty Chiranjeevi</li> </ol>	INDIAN	Assistant Professor, Electrical Engineering Department, Rajkiya Engineering College Sonbhadra, Pincode – 231206
<ol> <li>Mr. Venkateswara Rao Roniki</li> </ol>	INDIAN	Senior Assistant Professor, Department of Physics, Lendi Institute of Engineering and Technology, Vizianagarm, Pincode-535005
3. Dr. K. Neeraja	INDIAN	Associate Professor, Department of Physics, Narasaraopeta Engineering College (Autonomous), Narasaraopeta, Guntur, Pincode: 522601
4. Dr. B. Vikram Babu	INDIAN	Assistant Professor, Physics Department, Aditya Engineering College (A),

We, applicant(s)

		Surampalem, Pincode: 533437
5. Dr. K Srinivasa Rao,	INDIAN	Assistant Professor, Department of Physics, Anil Neerukonda Institute of Technology and Sciences (A), Sangivalasa, Visakhapatnam, Pincode: 531162
6. Mrs. Siva Jyothi Singaraju	INDIAN	Assistant Professor, Department of Engineering Physics, Dr Lankapalli Bullayya College of Engineering, Visakhapatnam, Pincode-530013
<ol> <li>Dr. Srivastava.</li> <li>Pratima Kumari</li> </ol>	INDIAN	Associate Professor, Department of Zoology, Ch.Sd.St.Theresas College for Women, Eluru, West Godawari, Pin-53400
8. Dr Karumanchi Ephraim Babu	INDIAN	Associate Professor, Department of Physics, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Pincode: 522 601
9. Dr. Kartik N. Shinde	INDIAN	Assistant professor, Department of Physics, Nilkanthrao Shinde Science & Arts college, Bhadrawati District, Chandrapur, Pin code-442902
10.Dr. Ganganagunta Srinivas	INDIAN	Lecturer in Physics Engineering department. University of Technology and Applied Sciences- IBRA IBRA, North Al Shrqiya Region, Oman, 400
11. Mr. Nellore Manoj Kumar	INDIAN	15-356, Gollapalem, Venkatagiri SPSR Nellore District, Pincode -524132
12. Dr. G. Adilakshmi	INDIAN	Woman Scientist, 130/D, Vengalarao Nagar, Hyderabad, Pincode-500038

The following specification particularly describes the nature of the invention and the manner in which it is performed:

Patent number: 9793525

Abstract: Embodiments of solid-state batteries, battery components, and related construction methods are described. The components include one or more embodiments of a low melt temperature electrolyte bonded solid-state rechargeable battery electrode and one or more embodiments of a composite separator having a low melt temperature electrolyte component. Embodiments of methods for the fabrication of solid-state batteries and battery components are described. These methods include co-extrusion, hot pressing, and roll casting.

Type: Grant

Filed: March 14, 2013

1Date of Patent: October 17, 2017

Assignce: Johnson Battery Technologies, Inc.

Inventors: Lonnie G. Johnson, David K. Johnson

#### **1SOLID-STATE BATTERY AND METHODS OF FABRICATION**

Publication number: 20150118572

(19) INDIA

(22) Date of filing of Application :15/10/2020

### (43) Publication Date : 30/10/2020

#### (54) Title of the invention : REVERSIBLE DATA HIDING IMAGE ENHANCEMENT SYSTEM WITH 2D HISTOGRAM (71)Name of Applicant : DMr.Budumuru Srinu Address of Applicant :Assistant Professor, Department of ECE, GITAM Institute of Technology, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh, India. Pin Code: 530045 Andhra Pradesh India 2)Mr. Tanakala Venkata Suri Apparao (51) International classification :G06T 3)Dr.D.Rama krishna 5/00 4)Dr.Pappala Kanaka Raju (31) Priority Document No :NA 5)Mr.Jenneti Durga Rao (32) Priority Date :NA 6)Mr.A.Rutwik (33) Name of priority country :NA 7)Mrs.R.Sridevi (86) International Application No :NA 8)Mrs.K.Renu Filing Date :NA 9)Dr. Divya Y.Chirayil (87) International Publication No : NA 10)Mr.Durga Prasad Tumula (61) Patent of Addition to Application Number :NA (72)Name of Inventor : Filing Date :NA 1)Mr.Budumuru Srinu (62) Divisional to Application Number :NA 2)Mr. Tanakala Venkata Suri Apparao Filing Date :NA 3)Dr.D.Rama krishna 4)Dr.Pappala Kanaka Raju 5)Mr.Jenneti Durga Rao 6)Mr.A.Rutwik 7)Mrs.R.Sridevi 8)Mrs.K.Renu 9)Dr. Divya Y.Chirayil 10)Mr.Durga Prasad Tumula (57) Abstract :

The Visibility of the Image Content can be improved with the Image Enhancement for better understanding of the image with low dynamic range. The Unclear Details of an image can be obscured from the Image by the Image Enhancement. Reversible Data Hiding is the promising technique for Image quality Enhancement. The Present Invention Disclosed here in is a Reversible Data Hiding Image Enhancement System with 2D Histogram comprising of Input Image (201); Pre-Processing (202); Room Reservation (203); Data Embedding (204): Encryption (205): Decryption (206): Data Extraction (207); Reconstructed Image (208); provides Image quality Enhancements such as contrast and Brightness by the lossless data hiding with 2D Histogram. The Present Invention disclosed here in uses Histogram modification dependent Reverse Data Hiding for Enhancing the Image Quality.

No. of Pages : 14 No of Clanns : 6

The Patent Office Journal No. 44/2020 Dated 30/10/2020

#### (12) PATENT APPLICATION FUBLICATION (19) INDIA (22) Date of filing of Application :10/02/2020

#### (21) Application No. 2020/11005679 A

(43) Publication Date : 24/04/2020

#### (54) Title of the invention : COMPUTER-IMPLEMENTED SYSTEM FOR RECOGNIZING SPEECH USING ARTIFICIAL NEURAL NETWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(1)Dr. KANAKA DURGA RETURI Address of Applicant :Dean Academics &amp; Professor of CSE, Malla Reddy College of Engineering for Women, Maisammaguda, Medchal, Hyderabad, Telangana, India. Telangana India</li> <li>(72)Name of Inventor :</li> <li>(72)Dr. VAKA MURALI MOHAN</li> <li>(74)Dr. C. SRINIVASA KUMAR</li> <li>(75)Dr. K. ANURADHA</li> </ul>
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#### (57) Abstract

Exemplary embodiments of the present disclosure are directed towards a computer-implemented system for recognizing speech using artificial neural networks, comprising: a speech recognition module comprises a wavelet analysis module configured to perform wavelet analysis by using artificial neural networks to recognize the speech of one or more users, the wavelet analysis module configured to extract one or more features and identifies one or more features from one or more words of the speech; and a computing device configured to read voice data from a data acquisition card, the data acquisition card configured to process speech (voice signals) received through a microphone and convert the resulting samples into digital numeric values.

No. of Pages : 30 No. of Claims : 3

The Patent Office Journal No. 17/2020 Dated 24/04/2020

#### (19) INDIA

(22) Date of filing of Application :28/12/2019

(21) Application No.201941054320 A

(43) Publication Date : 03/01/2020

# (54) Title of the invention : OPTIMIZED TDMA BASED SCHEDULING TECHNIQUE FOR NETWORK CODING

(51) International:H04L0001000000,H04W0024000000,H04W0072120000,H04W0084180000,G01F0001660 classificatio_000	(71)Name of Applicant : 1)Dr. SARANGAM
	KODATI
n	Address of Applicant
(31) Priority	:Teegala Krishna Reddy
Document :NA	Engineering College
No	Meerpet, Hyderabad,
(32) Priority :NA	Telangana, India 500097
Date	Telangana India
(33) Name	2)Dr.R.Shankar
of priority :NA	3)Dr.T.PRABAKARA
country	N
(86)	4)Dr.G.Vamsi Krishna
International	5)Dr.S.Sivakumar
Application :PCT//	6)KUMBALA
No :01/01/1900	PRADEEP REDDY
Filing	(72)Name of Inventor :
Date	1)Dr. SARANGAM
(87)	KODATI
International NA	2)Dr.R.Shankar
Publication NA	3)Dr.T.PRABAKARA
No	N
(61) Patent	4)Dr.G.Vamsi Krishna
of Addition	5)Dr.S.Sivakumar
10	6)KUMBALA
Application :NA :NA	PRADEEP REDDY
Number	RADELI REDDI
Filing	
Date	
(62)	
Divisional	
to NA	
Application NA	1.0
Number	
Filing	
Date	

#### (57) Abstract :

Conventional method for conservation of energy in wireless sensor network is the technique of TDMA scheduling for the topology of arbitrary network whose nodes have periodic duty cycle. The network coding is then done by XOR pairwise for wireless sensor network which are duty cycled for figuring out the rate per flow by optimizing the step obtained from the result of maximum minimum formulation utilized in the algorithm of maximum minimum algorithm. The values obtained from the optimization method per flow rate that are used by the technique of TDMA scheduling construction is in turn used by the proposed invention for the technique of network. The proposed invention greatly improves the throughput of the total nodes which can be reducing by turning off the switching transceivers or nodes.

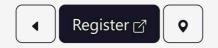
No. of Pages : 13 No. of Claims : 6

The Patent Office Journal No. 01/2020 Dated 03/01/2020



# Idea Storm 2023

Idea Storm 2023 is a 2-stage contest that is free and open to all except registered startups. The best ideas which solve a pressing problem using out-of-the-box thinking will receive rewards and recognition.



#### Details

Venue: Andhra University (exact location will be shared with the finalists) Registration Deadline: 9 PM, Wednesday 15 February 2023 Idea Storm 2023 Finals: 10 AM - 1 PM, Saturday 25 February 2023 Theme: Any Team Size: 1 - 4 members per team Eligibility: Refer to FAQs below Participation Fee: Free Note: Finalists may be approached by mentors or investors to transform their idea into a startup Event Details: Idea Storm 2023 (PDF)

#### Prizes

- Prizes will be given to the winning idea.
- The second and third place winners will be recognized.
- Finalists who present their solution to the panel of judges will also be given participation certificates.

#### Schedule

- 9:30 AM Registration and Networking
- 9:50 AM Inaugural
- 10:00 AM Pitching of ideas
- 1:00 PM Judges decision announced
- 1:15 PM Idea Storm 2023 concludes

#### FAQs

#### What are the two rounds?

• The first round is an elimination round where all the registered teams/individuals submit their Problems and Solutions with the required details in a pitch deck (presentation).



#### What are the rules for teams?

- Each team can have 1-4 members
- Team members need not belong to the same institute/organization
- No participant can be a part of more than one team
- No participant is allowed to switch teams mid-contest
- Each team can submit up to 3 ideas but each of those ideas should be distinct from one another

#### Are there any general guidelines?

- The name of your team can be anything creative (but should not represent your organization's name)
- We do not guarantee any form of funding or investment from jury members
- The deadline for the Elimination Round is 9 PM, 15 February 2023
- Finalists will have to make their own travel arrangements to the venue
- Certificates will be given to all finalists who make their pitch at the finals
- If two teams submit nearly the same idea, the idea submitted first on the basis of date and time stamp shall be given priority
- The jury's decision will be final and no disagreements will be entertained
- Any form of blatant plagiarism, intended or otherwise, will lead to disqualification
- Teams must be available in their respective time slots for the finals

#### What are Elimination Round rules?

- Each team/individual's pitch deck should be visible to the organizers and judges (no authentication barriers)
- If a pitch deck (presentation) is not accessible, that team/individual will not be considered for the competition
- The submission format for your pitch deck should contain:
   Title:
  - Brief Overview of Idea (approx 100 words):
  - Problem (what are you trying to solve and why it is important)
  - Solution/Idea: Explain your solution in detail
  - o Implementation duration and cost: how long it will take to complete your
  - solution and how much will it cost to make it market-ready
  - Impact of your solution (if not already explained earlier)

#### What is the format for the final round?

- Shortlisted teams/individuals will give their final presentation in-person at the Andhra University campus on 25 February 2023
- More details will be provided to the shortlisted teams/individuals

#### What criteria will be used for evaluation?

- Ideas shall be evaluated on the basis of a combination of factors such as:
  (a) the power of ideas in terms of its ability to solve a real problem
  (b) its impact in terms of number of people who it touches or potentially touch
  - (c) how the idea stands with respect to alternate solutions available
  - (d) the ability of the participant to build a startup with the proposed idea

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# Idea Storm 2023

# Ideathon Details

## Organized by Alcove Partners, ā-Hub and TiE Andhra Pradesh

For all you brilliant minds out there - we present Idea Storm 2023. This year's first Ideathon in this region is being organized to showcase the problem solving capabilities of bright young people like you. Your idea can be on any theme that addresses a business problem or social issue.

We hope to see many of these ideas leading to successful startups.

Do read on for more details.

The Ideathon will be conducted in two rounds.

### Elimination Round:

This will be an online round where all the registered teams/individuals submit their Problems and Solutions with the required details in a pitch deck (presentation).

### Final Round: Pitching

The top 10-15 ideas, as decided by the judges, will be invited to pitch in the final round. Qualifying teams/individuals will present their problem and solution to the jury in-person at Andhra University on Saturday, 25 February 2023. The exact location will be sent with teams selected for the final pitching.

### **Eligibility Criteria:**

- Free and open to all (except registered startups)
- Each team can have 1-4 members
- Team members need not belong to the same institute
- No participant can be a part of more than one team
- No participant is allowed to switch teams mid-contest
- Each team can submit up to 3 ideas but each of those ideas should be distinct from the other two ideas

### General Guidelines:

- The name of your team should not reflect the name of your organization
- We do not guarantee any form of funding or investment from jury members
- The deadline for Round I is 9 PM, 15 February 2023
- Finalists will have to make their own travel arrangements
- Certificates will be given to all finalists who make their pitch at the finals

- If two teams submit nearly the same idea, the idea submitted first on the basis of date and time stamp shall be given priority
- The jury's decision will be final and no disagreements will be entertained
- Any form of blatant plagiarism, intended or otherwise, will lead to disqualification
- Teams must be available in their respective time slots

Elimination Round Rules:

- Each team/individual's pitch deck should be visible to the organizers and judges
- If a pitch deck (presentation) is not accessible, that team/individual will not be considered for the competition
- The submission format for your pitch deck should contain:
  - Title:
  - Brief Overview of Idea (approx 100 words):
  - Problem (what are you trying to solve and why it is important)
  - Solution/Idea: Explain your solution in detail
  - Implementation duration and cost: how long it will take to complete your solution and how much will it cost to make it market-ready
  - Impact of your solution (if not already explained earlier)

# <u>Final Round Format:</u>

- Shortlisted teams/individuals will give their final presentation in-person at the Andhra University campus on 25 February 2023
- More details will be provided to the shortlisted teams/inviduals

# Evaluation Criteria:

Ideas shall be evaluated on the basis of a combination of factors such as:

(a) the power of ideas in terms of its ability to solve a real problem

- (b) its impact in terms of number of people who it touches or potentially touch
- (c) how the idea stands with respect to alternate solutions available
- (d) the ability of the participant to build a startup with the proposed idea

Prizes will be given to the winning idea. The second and third place winners will be recognized. Finalists will also be given participation certificates.

NOTE: Finalists may be approached by mentors or investors to transform their idea into a startup.



E-PAPER



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# Idea Storm evokes enthusiastic response

Idea Storm 2023, an Ideathon organised by  $\bar{a}$ -Hub and Alcove Partners, here turned into a resounding success in nurturing innovative ideas and bringing them to life.

By  $Bizz\;Buzz$  | 27 Feb 2023 3:15 AM IST ( Updated: 27 Feb 2023 7:58 AM IST )



Idea Storm evokes enthusiastic response

**V** isakhapatnam: Idea Storm 2023, an Ideathon organised by ā-Hub and Alcove Partners, here turned into a resounding success in nurturing innovative ideas and bringing them to life.

The event, which was held on Saturday evening, received an overwhelming response from young, dynamic and creative minds from all over the Visakhapatnam region.

Out of 50 entries, the top 10 were shortlisted for the finals, where the participants presented their ideas to a panel of judges. The judges for the event were Kiran Korivi (Director, Alcove Partners), Prof. H. Purushottam (Head, IPR Cell, Andhra University) and Prof K. Satya Murty (Adjunct Professor at Andhra University

Also Read - IRDAI must ensure administrator for Sahara India Life is 'fit and proper', says SC Advocate

School of International Business), all of whom are experts in their respective fields. They evaluated the participants' ideas based on their innovation, practicality and potential for impact.

After careful consideration, the winners were announced and rewarded with trophies. The top three ideas showcased creativity and feasibility, and their creators received high praise from the judges.

First prize winners were Mandapaka K P Vritika, D Manasa, T Dhilleswara Rao, K Aiswarya Jahnavi of Team Green Eco Bin, Dr. Lankapalli Bullayya College. The second place was secured by K Lalitha Srija, Bhavana Reddy, Dia Jain of Team DeCOIR, Andhra University and GITAM. Third position was bagged by M. Bhaskar, I. Sri Surya Varma, Harsha Vardhan, J Bhargavi Durga of Team Campus Deals, GVP College of Engineering.

Also Read - Warren Buffett's Surprising Bet on AI Stocks: Apple, Amazon, and Snowflake

"We were impressed by the diversity of ideas presented at Idea Storm 2023," said one of the judges, Kiran Korivi. Prof. Purushottam said It was heartening to see so many young minds coming together to solve real-world problems and create a better future for all.

The event was a collaborative effort between  $\bar{a}$ -Hub and Alcove Partners. The organisers expressed their gratitude to all the participants, judges, and partners for making Idea Storm 2023 a grand success.

Idea Storm 2023 Visakhapatnam



**Bizz Buzz** 

#### **RELATED ARTICLES**

Report on

# Idea Contest 2022

17-11-2022 to 19-11-2022

Organized by Entrepreneurship, Innovation and Startup Cell



# Dr. Lankapalli Bullayya College of Engineering,

(Approved by AICTE, Affiliated to Andhra University, Visakhapatnam) Visakhapatnam



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education Approved by AICTE, Affiliated to Andhra University

#### CIRCULAR

DATE: 10-11-2022

It is hereby informed that Dr. Lankapalli Bullayya College of Engineering is conducting an idea contest for the EISC (Entrepreneurship Innovation & Startup Cell). The aim of the contest is to encourage and showcase innovative ideas from aspiring entrepreneurs and students. All the students are informed to participate and submit their innovative ideas addressing the social issues.

Principa

Dr. Lankapalli Builayya College of Engineering D.No 52-14 75, Resapuvanipalem

#### Copy to

Hon'ble Secretary and CorrespondentCopy to all HODs, SDC Co-Ordinator ,IQAC Co-Ordinator, R&D Cell Co-Ordinator.

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HOD CSE	HOD Civil	HODEEE	Ch	VPID
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SDC	R&D Cell	IQAC	OFFICE	
Co - Ordjnator	Co-Ordinator	Co-Ordinator	On /	
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# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education Approved by AICTE, Affiliated to Andhra University

Report on Idea Contest 2022 From 17-11-2022 to 19-11-2022 Organized by Entrepreneurship, Innovation and Startup Cell

This report provides an overview of the selection process conducted for the EISC (Entrepreneurship Innovation & Startup Cell) Idea Contest 2022, held at Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam from 17-11-2022 to 19-11-2022. The aim of the contest was to encourage and showcase innovative ideas from aspiring entrepreneurs and students. The selection process for the EISC Idea Contest 2022 consisted of multiple stages designed to identify the most promising ideas and teams. Interested participants were required to register for the contest and submit their innovative ideas addressing social issues. The registration period was open for a specified duration before the contest.

After the registration deadline, a panel of judges reviewed the submitted ideas to ensure they met the contest criteria. The panel of judges for the EISC Idea Contest 2022 consisted of esteemed individuals who brought their expertise and experience to evaluate the participating ideas. The judges evaluated the ideas based on their feasibility, relevance to social challenges, and potential impact. From the pool of submitted ideas, a certain number of teams were shortlisted to proceed to the next round. The shortlisting decision was made based on the judges' evaluation, selecting the ideas that demonstrated the most potential for social impact and innovation.

Shortlisted participants were then invited to present their ideas in front of a larger audience and a panel of judges during the EISC Idea Contest event. The participants were given a specific time slot to deliver a presentation, which included outlining the problem statement, proposed solution, market analysis, and potential scalability. The judges evaluated the presentations based on various factors such as innovation, feasibility, market potential, and overall presentation skills. The final round of the selection process involved the shortlisted teams presenting their refined ideas to a panel of judges. The presentations were evaluated based on various criteria, including innovation, social impact, feasibility, market potential, and presentation skills.

Following the idea presentations, the judges engaged in a thorough deliberation to select the winners of the EISC Idea Contest 2022. The final evaluation took into consideration the cumulative scores from the application screening and idea presentations. The judges assessed the potential of the ideas to transform into viable startup ventures, their alignment with current market trends, and the creativity and practicality of the proposed solutions.

The selection process for the EISC Idea Contest 2022 followed a rigorous and multi-stage approach to identify and acknowledged innovative ideas with significant potential for entrepreneurship and startup ventures. The comprehensive process encompassed application submission, preliminary screening, idea presentations, and final evaluation, ensuring fairness and transparency.

The contest provided a valuable platform for aspiring entrepreneurs and students to showcase their talents, receive expert feedback, and foster a culture of innovation and entrepreneurship in the academic community.

## Idea Contest 2022

# From 17-11-2022 to 19-11-2022 Organized by Entrepreneurship, Innovation and Startup Cell

# Schedule of the Programme

S.no	Title of Project	Scheduled	Description	Names of team members	Class
		Date			
1	Gesture Control Electric Wheel chair	17-11-2022	Gesture Control Electric Wheel chair	N.Harsha Vardhan Chowdary Md.Hamid Raza P.Karthik Siddardha B.Rithwik T.Bhargav	EEE, 3 <sup>rd</sup> Year
2	ESSLTA (Easy Safe Secured Lock to Access)	17-11-2022	Our main idea of this startup is to create a digital door lock that can be accessed from anywhere (like locking and unlocking the door)	K.Keerti P.Chandrika	CSE, 2 <sup>nd</sup> Year
3	GEB (Green e <b>CO</b> bin)	18-11-2022	Our GEB consists of an app and IOT model. IOT model segregates the waste into plastic, e-waste and other such waste categories, sends this data to app. Categorized waste is sent to organizations to convert best out of waste. In the app, user can login as organization or an individual. The individual can see their penalties for their waste disposal acts in app. In surveillance camera , a software is installed to detects the people who violate disposal acts.	Table Developed and Developmentation of	CSE, 3 <sup>rd</sup> Year
4	Smart Spot	18-11-2022	Smart Spot	G.V.V.D.Prasad C. Mounika J. Yasaswitha C.Bharadwaj	CSE, 2 <sup>nd</sup> Year
5	Lone- Parent	18-11-2022	Lone- Parent	G.L.Charan J.Koushik	CSE, 2 <sup>nd</sup> Year
6	Origin:Al Buddy	19-11-2022	Origin:Al Buddy	S.Bharadwaj Sai Sivaram Challa K Manogna Md shaheen begum G.V.V.D Prasad	CSE, 2 <sup>nd</sup> Year
7	Agro agriculture using IOT	19-11-2022	Agro agriculture using IOT	V.Kinnera M.Teena K.Devi	Civil,3 <sup>rd</sup> Year



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education Approved by AICTE, Affiliated to Andhra University

Idea Contest 2022

# From 17-11-2022 to 19-11-2022 Organized by Entrepreneurship, Innovation and Startup Cell

# List of Students Participated

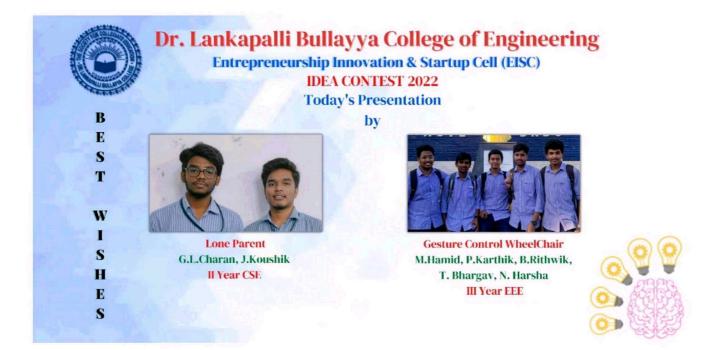
S.no	Name of the Student	Class
1	N.Harsha Vardhan Chowdary	III B.Tech EEE
2	Md.Hamid Raza	III B.Tech EEE
3	P.KarthikSiddardha	III B.Tech EEE
4	B.Rithwik	III B.Tech EEE
5	T.Bhargav	III B.Tech EEE
6	K.Keerti	II B.Tech CSE
7	P.Chandrika	II B.Tech CSE
8	Ch.Niteesha	II B.Tech CSE
9	Ch.Rama Devi	II B.Tech CSE
10	M.K.P.Vritika	III B.Tech CSE
11	D.Manasa	III B.Tech CSE
12	T.Dhilleswara Rao	III B.Tech CSE
13	K.Aiswarya Jahnavi	III B.Tech CSE
14	G.V.V.D.Prasad	II B.Tech CSE
15	C. Mounika	II B.Tech CSE
16	J. Yasaswitha	II B.Tech CSE
17	C.Bharadwaj	II B.Tech CSE
18	V.Kinnera	III B.Tech Civil
	M.Teena	III B.Tech Civil
19 20	K.Devi	III B.Tech Civil

Programme Co-ordinator

Principal Principal

Dr. Lankapalli Bullayya College of Engineerin D.No.52-14-75, Resepuvanipalem Visakhapatnam-530013 Andhra Pratter











Dr G Madhu Kumar, Secretary and Correspondent, Dr L B College of Engineering, Visakhapatnam, is addressing the Participants



Dr G Madhu Kumar, Secretary and Correspondent, Dr L B College of Engineering, Visakhapatnam, is addressing the Participants



Participants with Participation Certificates



Participants with Participation Certificates



Participants with Participation Certificates



Participants with Participation Certificates



Participants with Participation Certificates



Dr G Vamsi Krishna is receiving the Momento from Dr G Madhu Kumar, Secretary and Correspondent



Participants with Participation Certificates

# Entrepreneurship and Leadership Development Program (ELDP Boot Camp) (January 2022 to June 2022)

Organised by

IIMV Foundation for Incubation Entrepreneurial Learning and Development (IIMV FIELD) Indian Institute of Management, Visakhapatnam

and

Moonpreneur Inc

### Report on Entrepreneurship and Leadership Development Program (ELDP Boot Camp) (January 2022 to June 2022)

### About The Program

The Indian Institute of Management-Visakhapatnam and Moonpreneur jointly run the Entrepreneurship & Leadership Development Program (ELDP) for students from 300+ colleges in Andhra Pradesh.

The selected students from this program will get an opportunity to incubate their ideas at IIMV FIELD for nine months.

IIMV Foundation for Incubation Entrepreneurial Learning and Development (IIMV FIELD) is the Incubation and Startup Hub of IIM Visakhapatnam, which started in 2018. IIMV FIELD has its center in Visakhapatnam – a Smart City, an aspirational district, and an industrial hub in the state of Andhra Pradesh. As of now, IIMV FIELD is one of the fastest-growing incubators in the country.

IIMV reached out to the colleges leveraging the APSCHE platform, inviting nominations from each of these colleges.

The ELDP program received an overwhelming response, with 2,000 students registering. A total of 163 students were chosen and divided into 26 teams to create an effective learning environment. Each team consisted of five to seven students. This program was preceded by a one-month certificate program titled 7 Habits of Effective Teens by Franklin Covey Institute.

This program was fully sponsored by Silicon-Valley based non-profit organization Fortune Fund. The program will come to an end at the upcoming PitchFest where each team will pitch their ideas in front of global leaders.

The selected students will get an opportunity to Incubate their ideas at IIMV Field for nine months. During the nine months at IIMV FIELD, the participants would have access to:

- Incubator physical and intellectual resources
- Mentorship & networking support
- Mentor classes, Workshops, Knowledge sessions & Networking events
- Merit-based prototyping fund
- Media coverage & investor access (demo-day pitch event), among others.

### Website:

https://iimvfield.com/assets/300/2022/02/mediafiles/V2V Program Guidelines v2.pdf

https://moonpreneur.com/eldp/iim-v/

### Participation of the students of Dr Lankapalli Bullayya College of Engineering:

Total Participation in ELDP : 30 teams (30 \* 5 = 150 members)

Total students participated from LBCE: 14 students

Total students selected by Moonshot Junior: 6 students

Program starting date: December 2021

Final Selection date: 19-06-2022

Our LBCE Students won 3rd prize with a cash prize of 10,000/- per team.

#### **Title of the Project : CARNAL MASTER**

#### **Participants:**

Diksha Patro.B (CSE) Reshma Yalla (CSE) Alekhya Vyasam (CSE) Syamalatha Seera (CSE) Sushma Yalla (CSE)

CARNAL MASTERS is a platform that provides on-demand sexual health counselling sessions by connecting users to sexual health professionals if they require counselling on sexual health issues or have doubts in general regarding their bodies.

We the Team, The Valiant Hustlers are here to generate awareness about sexual health which is considered as a taboo by our society and normalise this just like physical or mental health.

#### https://www.youtube.com/watch?v=\_sjp3mG7idk

#### **GUIDED BY:**

Prof. K.V.S.Patnaik Senior Professor Director- EISC

Prof. D.Deepak Chowdary Principal Dr.Lankapalli Bullayya College of Engineering

Dr.D.Madhavi HOD-CSE Dr.Lankapalli Bullayya College of Engineering

Dr.G.Vamsi Krishna Coordinator EISC

## Schedule of the Program:

Session	Session Type	Topics		Batch 1 Dates (7:00 PM IST Mon / Wed / Fri)
Week 1	Session 1	SME Session	Idea Sourcing - Where do Ideas Come From	24 January 2022
Week 1	Session 2	Industry Leader Session	Design Thinking	28 January 2022
Week 1	Session 3	Critical Skills Session	Start-Up Ideas / Pitch Preparation	31 January 2022
			Project Selection & Finalization	2 February 2022
			Project Selection & Finalization	4 February 2022
			Project Selection & Finalization	7 February 2022
Week 2	Session 1	SME Session	Vision & Value Prop - Building the Idea	9 February 2022
Week 2	Session 2	Industry Leader Session	Empathy - Design Thinking	11 February 2022
Week 2	Session 3	Critical Skills Session	Presentation & Comm Skills / Pitch Preparation	14 February 2022
Week 3	Session 1	SME Session	Total Addressable Market (TAM) - Market Research (MR) & Market Analysis	16 February 2022
Week 3	Session 2	Industry Leader Session	Define Problem Statement	18 February 2022
Week 3	Session 3	Critical Skills Session	Ideation/ Pitch Preparation	21 February 2022
Week 4	Session 1	SME Session	Pricing & Packaging - Business Model	23 February 2022
Week 4	Session 2	Industry Leader Session	Idea validation	25 February 2022
Week 4	Session 3	Critical Skills Session	Critical Thinking/ Pitch Preparation	28 February 2022
Week 5	Session 1	SME Session	Competition Analysis	2 March 2022
Week 5	Session 2	Industry Leader Session	Prototyping & Testing	4 March 2022

Week 5	Session 3	Critical Skills Session	Video Creation / Pitch Preparation	7 March 2022
Week 6	Session 1	SME Session	Go To Market - S&M Strategy	9 March 2022
Week 6	Session 2	Industry Leader Session	Sales Pitch	11 March 2022
Week 6	Session 3	Critical Skills Session	Social Media & Digital Marketing/ Pitch Preparation	21 March 2022
Week 7	Session 1	SME Session	Product Roadmap	23 March 2022
Week 7	Session 2	Industry Leader Session	Team Building - Orgn. & Resources	25 March 2022
Week 7	Session 3	Critical Skills Session	Dealing with Failures/ Pitch Preparation	4 April 2022
Week 8	Session 1	SME Session	Revenue Model & Financial Accounting	6 April 2022
Week 8	Session 2	Industry Leader Session	Finance & Funding	8 April 2022
Week 8	Session 3	Critical Skills Session	Video Pitch & Submission/ Pitch Preparation	9 April 2022













ISRO IIRS <isro-iirs@lbce.edu.in>

### **IIRS Outreach Programme**

1 message

**IIRS ISRO Dehradun** <no-reply@iirs.gov.in> To: isro-iirs@lbce.edu.in

Sun, Feb 26, 2023 at 12:36 PM

Dear Arunima Mahapatra,

Thank you for your interest in IIRS outreach programme and conducting live & Interactive courses at your Institute/Organization. Earlier we have received your request to become network institute of IIRS/ISRO Outreach network. Currently your institute is listed as one of the nodal center to conduct online courses offered by IIRS-ISRO Dehradun. We have received registration request from some of the participants by selecting **your Institute as a nodal center** for conducting comming live & interactive courses as per the following details:

#### **Institute Name**

If your institute is currently active and interested to conduct above course/webinar then please click to following link to varify the status:

Click here to keep your institute status as Active

If you are unable to conduct above course/webinar this time at your institute, then please click on following link to stop further registrations by the participants: Click to stop registration under your institute

For any further query please contact us at edusat@iirs.gov.in or dlp@iirs.gov.in , Tel: +91-135- 2524130.

With regards Head, GIT&DL Department IIRS, Dehardun

गोपनीयता सूचना: यह ई-मेल संदेश, किसी भी संलग्नक के साथ, अभिप्रेत प्राप्तकर्ता(ओं) के एकमात्र उपयोग के लिए है और इसमें गोपनीय और विशेषाधिकार सूचना हो सकती है। किसी प्रकार का अप्राधिकृत पुनरीक्षण, उपयोग, प्रकाशन या परिचालन निषेध है। यदि आप प्राप्तकर्ता नहीं हैं तो, कृपया प्रेषक से ई-मेल द्वारा संपर्क करें और मूल संदेश की सभी प्रतियों को नष्ट कर दें। कृपया इस ईमेल का अति आवश्यक होने पर ही मुद्रण करें। पर्यावरण जागरूकता फैलाएं।

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