Address For Communication

Dr. V. Sampath Kumar,

75 WB Road, Trichy -620008

Phone: +918281665573,

+919842709720.

Skype id: s.samiksha

Email: drvsampath@gmail.com

Personal Data:

Name of father :Dr R.Vajeravelu

Occupation :Retd Surgeon

Name of mother: S.Rajeswari

Occupation: Retd Head Mistress

Name of wife : M. Kavitha

Occupation : Company Secretary

Date of Birth : 26 July 1978

Sex : Male

Nationality : Indian

Marital Status : Married

Linguistic Ability:

(Speaking & writing)

- 1. English
- 2. Tamil

Strengths:

Innovative

Amicable

Dynamic

Hobbies:

- 1.Listening music
- 2.Playing Badminton

Dr. V. Sampath Kumar

Email: drvsampath@gmail.com

OBJECTIVE

To pursue a challenging career that will allow for the growth and a chance to use and contribute my education and knowledge.



EDUCATION

Ph.D (Biomedical Image Processing, Computer Science Engineering) (Feb 2011)

Vinayaka Mission University, Salem, Tamil Nadu, India

M.Tech. (Biomedical Signal Processing and Instrumentation) (May 2004)

SASTRA DEEMED University, Thanjvur, Tamil Nadu, India

CGPA: 7.8730 Class: First Class with Distinction.

B.E. (Electronics and Instrumentation Engineering) (April 2000)

University of Madras, Tamil Nadu, India Aggregate percentage: 63% Class: First Class

EXPERIENCE (19+ years)

1.5 years as a Lecturer (with B.E)

College Name: VMKV Engineering College, Salem.

3 years as a Lecturer (after M.Tech)

College Name: Adhiyamaan College of Engineering,

Hosur.

4 years as Lecturer &Asst Prof (after M.Tech)

College Name: Dr. Mahalingam College of Engineering

& Technology, Pollachi.

1 year as Professor and Head (after Ph.D)

College Name : Oxford Engineering College, Trichy

2 years as Professor and Head (after Ph.D)

College Name: Shivani Engineering College, Trichy

2 years as Associate Professor (after Ph.D)

College Name: Ethiopian Institute of Technology,

Mekelle University, Ethiopia.

4.5 years from July 2016 as Professor (after Ph.D)

College Name: Vimal Jyothi Engineering College, Kerala

EDUCATIONAL PROFILE

COURSE	INSTITUTION/UNIVERSITY	YEAR OF PASSING	%/CPGA OF MARKS
Vinayaka Missions University, Ph.D Salem, Tamil Nadu, India		2011	NA
M.Tech SASTRA University, Thanjavur		2004	7.87
B.E	Sapthagiri College of Engineering, Dharmapuri	2000	63%
H.S.C	SVMHS School, Udumalpet	1995	76%
S.S.L.C	SVMHS School, Udumalpet	1993	68%

MEMBERSHIP

Name of Professional Body	Membership No.	Involvement
International Society for Research and Development	F3140900641	Fellow Life Member
Biomedical Engineering Society of India	L 621	Life Member
Instrument Society of India	LM 1848	Life Member
The Indian Society for Technical Education	LM 44079	Life Member
International Association of Engineers	LM 122246	Life Member
International Association of Computer Science and Information Technology	SM 80344759	Senior member
Institute For Engineering Research and Publication (IFERP)	PMIN78954260	Professional Member
ICST, CSTA, ISEIS, and APCBEES	-	Member

PROJECTS GOT FUNDED

- 1. Guided a student project titled "Kirlian Diagnosis for Epilepsy" under Student Project Scheme 2006 funded by Tamil Nadu State Council for Science and Technology(Rs.5000)
- 2 Guided a student project titled "Automatic coconut dehusking" funded by Dr. Mahalingam College of Engg & Tech, Pollachi (Rs.10000)
- Guided a student project titled "A novel method to solve fire accidents in garbage dumps of Trichirapalli corporation using IoT" under Student Project Scheme 2014 funded by Tamil Nadu State Council for Science and Technology (Rs.7500), which has won the best project award.
- 4 Mekelle University has awarded Rs.150,000 for the implementation of small scale research project entitled "Design and model development for telemedicine based medical networks for rural and frontier areas of Ethiopia"
- Guided a student project titled "Cloud based SCADA systems for Integrated Water Resources Development and Management in Kannur District of Kerala" under Student Project Scheme 147/SPS60/2016/KSCSTE funded by Kerala State Council for Science and Technology(Rs.9000)
- 6 Guided a student project titled "Disaster management in Kerala using unmanned aerial vehicles" under Student Project Scheme 2017/KSCSTE259/SPS61/ funded by Kerala State Council for Science and Technology(Rs.10800)
- 7. Received grant of Rs.5, 00,000 from Kerala State Council for Science and Technology under Technology Development and Adaptation Programme File No. KSCSTE/5531/2017-TDAP for the project entitled "Integrated Water tube boiler with Atomizing Nozzle in Fire tube Boiler (Hybrid Boilers)".
- Received grant of Rs. 1, 56,750 from APJ Abdul Kalam Technological University under Center for Engineering Research and Development Research Seed Money Scheme File No. KTU/RESEARCH 2/3894/2018 for the project entitled "Puttumatic - The Automatic Puttu Making Machine".
- 9. Received grant of Rs. 1, 00,000 for project entitled "Coconut leaf broom making machine" under Technology Demonstration Proposals of Participating Institutions

- by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.
- 10 Received grant of Rs. 1, 00,000 for project entitled "Solar Coconut Dryer" under Technology Demonstration Proposals of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.
- II. Received grant of Rs. 1, 00,000 for project entitled "Design and development of Smart Ambulatory Monitoring for Alakkode Old Age Homes" under Technology Demonstration Proposals of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.
- 12 Got selected for grant of Rs. 1, 00,000 for project entitled "Wild Boar Alarming System for Village Farmlands in Alakkode, Kannur District of Kerala" under Technology Demonstration Proposals of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.
- 13 Got selected for a perennial grant of Rs. 1, 75,000 for project entitled "Copra/Rubber Solar automatic tunnel dryer" under Technology Demonstration Proposals of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.
- 14 Got selected for a student startup grant of Rs. 4,00,000 for the project titled Puttumatic under MHRD IIC and AICTE
- 15. Received grant of Rs. 1, 00,000 for project entitled "Rubber Gloves making machine" under Technology Demonstration Proposals Covid 19 special call of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.

GRANTS RECEIVED

- Received the grant of Rs.30000 from CSIR for conducting Two Days National Seminar on Security Issues in Cloud Computing (SICC-,,12)
- Received the grant of Rs.50,000 from Unnat Bharat Abhiyan activities in 2018

PROJECTS DONE DURING COVID 19

- Robot for Food & medicine dispenser
- Breathing support device
- Leg operated hand sanitizer
- Kiosk vehicle
- Patient information system
- Automatic hand sanitizer
- Two wheeler based sanitizer sprayer
- 360 degree virus protector

STTP/FDP/Workshop ATTENDED

- FDP in Total Quality Management organized by ACE, Hosur on 05.10.2004
- FDP in Professional Ethics organized by ACE, Hosur on 09.10.2004
- STTP in Biomedical Instrumentation organized by SRM Deemed University, Chennai on 25.11.2005- 26.11.2005
- Participated in Faculty Development programme on 'Automatic Systems' by INDWELL Institute of Technology held from 28/11/2016 to 02/12/2016 at VJEC Kannur.
- Attended 5 days National Workshop on Advanced Control, Image and Signal Processing Algorithms from 05/12/2016 to 10/12/2016 organized by VJEC, Kannur.
- Attended one day workshop on "Transition from ISO 9001:2008 to ISO 9001:2015" on 16/12/2016 at VJEC Kannur
- Participated in the one day FDP on "Effective teaching by applying MOOCs" conducted by Prof PD Jose, Chair person- Digital learning, IIM Bangalore on 08/04/2017 at Vimal Jyothi Institute of Management and Research.
- Attended 6 days AICTE sponsored STTP on Engineering Education- A Transdisciplinary
 Approach in Engineering at VJEC Kannur

ACHIEVEMENTS IN PROFESSIONAL CAREER:

- My student project titled "A novel method to solve fire accidents in garbage dumps of Trichirapalli corporation using IoT" under Student Project Scheme 2014 funded by Tamil Nadu State Council for Science and Technology won the BEST PROJECT AWARD for the year 2015 TNSCST projects.
- My paper titled "Radionics Based Vibration Tuner for Transmitting Living Radiant Energies" won "Best Paper Award" in International Symposium On Global Trends in BioMedical Informatics
- Successfully attended the WIPRO Mission10X Faculty Empowerment Workshop (5 days) and received the following Certificates:
 - 1. Dale Carnegie High Impact Teaching Skills Certificate
 - 2. Mission10X ISTE Workshop Participation Certificate

PATENT APPLIED

- CBR number 33965- Title –Rasamenthira
- Integrated Water tube boiler with Atomizing Nozzle in Fire tube Boiler forwarded to Patent Facilitating Centre/TIFAC, New Delhi for further patent filling procedures through Kerala State Council for Science Technology and Environment.
- Litter robot for waste segregation
- Palm tree climbing robot

INTERNATIONAL JOURNAL PUBLISHED

- V. Sampathkumar, Dr. M.Y. Sanavullah, "Kirlian Image Compression Using the Wavelet Transform and Fuzzy c-means Clustering on Regions of Interest," is published in *International Journal of GESJ*: Computer sciences and Telecommunication Journal. Vol 8 Number 1(15) pp 3-9 June 2008
- R.,Sathiya, M.Surya V. Sampathkumar, , "Radionics Based Vibration Tuner for Transmitting Living Radiant Energies," is published in *International Journal of Computational* Intelligence Healthcare Informatics in Vol 1 Number 2 pp 53-55 December 2008
- V. Sampathkumar, Dr. M .Y. Sanavullah, "Region- based coding of kirlian images and

- magnetic resonance images," is published in *International Journal of Bio Medical Engineering and Consumer Health Informatics in Vol 1 Number 2 pp 77-81 July-Decmber 2009*.
- Ms.Shaya Princy, Dr. V. Sampath Kumar, "A Study of Profit Maximization Based On Multiserver in Computing Cloud," is published in International Journal of Advance Research in Computer Science and Management Studies Volume 2, Issue 5, May 2014.
- P.Ponmalar and Dr. V. Sampath Kumar, "An cost efficient method to prevent fire
 accidents in garbage dumps of Trichirapalli corporation using an internet of things
 middleware" is published in International Organization for Scientific Research (IOSR)
 Journals, Journal of computer Engineering Vol 16, issue 3, pp 01-05 May2014.
- A. Ancey Sneha and Dr. V. Sampath Kumar, "A Study on Security in Wireless Sensor Network Using Multipath Routing" published in CiiT wireless communication International Journals, Vol 6, No 4, 2014
- Mahder Girmay G/Micheal, Vajeravel Sampath Kumar, B. Gomathy, "Design and implementation of FCS based process control system", published in International Journal of advanced Research in Electrical, Electronics and Instrumentation Engineering Vol6, issue 3, March 2016
- KarpagaSelvi Subramanian, Andargie Mekonnen, Vajeravel Sampath Kumar, Bisratie
 Tesfaye "Optical Flow Based Ethiopian Traditional Dance Video Classification System",
 Article ID: 2675, Date: 2015-12-18, Journal: Computer Sciences and
 Telecommunications Vol 16 No.1(47), pp. 69-79, May 2016.
- Dr V Sampath Kumar and Dr P Sridharan, "Cloud Based SCADA System for Integrated Water Resources Development and Management Approach with Special Reference to Kannur District", International Journal of Applied Science and Engineering, 6(2): 129-142, December 2018.
- Dr V Sampath Kumar and Dr P Sridharan, "Fuzzy based Vibration Control in Small Hydroelectric Power Plants", International Journal of Research and Analytical reviews, 6(2): 174-183, June 2019.
- Dr V Sampath Kumar and Dr P Sridharan, "Radio Frequency Identification (RFID): A co-generation tool in Product Life cycle Management (PLM)", International Journal of

Innovative Technology and Exploring Engineering, Volume-9 Issue-3.

PAPER PRESENTED IN INTERNATIONAL CONFERENCES

- V. Sampath Kumar, Dr. M.Y. Sanavullah, "Efficiency of Aura Images in Diagnosis of Cardiovascular Diseases among Adults" in International Conference EAST-2005 at NICE, Nagerkovil on16.12.2005-17.12.2005.
- V. Sampath Kumar, Dr. M.Y. Sanavullah, "Artificial Intelligence Based Expert System for Diagnosis of Cancer from Aura Images" in International Conference on Cognition and Recognition, organized by PES, Mandya on 22.12.2005-22.12.2005.
- V. Sampath Kumar, Dr. M.Y. Sanavullah, "A New Dynamic Finite-State Vector Quantization Algorithm for Image Compression" in International Conference on Systematics, Cybermatics and Informatics, organized by Pentagram Research Center, Hyderabed on 04.01.06-08.01.06.
- V. Sampath Kumar, Dr. M.Y. Sanavullah, "Efficiency of Aura Images in Colour Therapy" in International Conference on Frontier Technologies-Need for the Industry Business and Education, organized by ISTE Chapter of ACE, Hosur on 06.09.2006-08.09.2006.
- V. Sampath Kumar, Dr. M .Y. Sanavullah, "Regularised Decompression of Kirlian Images by Optimised JPEG Dequantization Array" in International Conference on ICCIMA '07, organized by MEPCO, Sivakasi, published by IEEE CS PRESS, December 2007.
- S.K Indhumathi, K.Nivedhitha, S.SoniyaV. Sampath Kumar, "Efficiency of Aura Images in diagnosis of Epilepsy", in International conference on Systematics, Cybernetics and Informatics-2008 at Pentagram research centre at Hyderabad.
- M.Aarthi, Dr. V. Sampath Kumar, J.Jeyasudha, "Dynamic Path Selection for Secure Communication in Peer to Peer System," paper presented at the International Conference on Emerging Trends in Computer And Communication, held at Maria Engineering College, Kanyakumari on 16th February 2012.
- R.Balakrishanan, Dr. V. Sampath Kumar, J.Jeyasudha, "MOCEIR Mobile Based Compressed and Efficient Image Retrieval," paper presented at the International

- Conference on Emerging Trends in Computer And Communication, held at Maria Engineering College, Kanyakumari on 16th February 2012.
- N.Gomathy, Dr. V. Sampath Kumar, A.V.T RaghavRamana, "Secure and Dependable Storage with Multiple Cloud Servers," paper presented at the International Conference on Emerging Trends in Computer And Communication, held at Maria Engineering College, Kanyakumari on 16th February 2012.
- S.Gowri, Dr. V. Sampath Kumar, P.Muthuvenkachalam, "Stealthy Attacks InAdhoc Wireless Network Multihop Detection," paper presented at the International Conference on ETCAC"12, held at Maria Engineering College, Kanyakumari on 16th February2012.
- K.Manikandan, Dr. V. Sampath Kumar, N.Shamugapriya, "A Vivacious Approach to recognize the DDOS which imitate Flash crowds using traffic behavior patterns," paper presented at the International Conference on ETCAC"12, held at Maria Engineering College, Kanyakumari on 16th Feb 2012.
- C.Praisewin, Dr. V. Sampath Kumar, "An Efficient & Fully Robust Group Key Agreement," paper presented at the International Conference on Emerging Trends in Computer AndCommunication, held at Maria Engineering College, Kanyakumari on 16th February 2012.
- S.Satheesh, Dr. V. Sampath Kumar, N.Shanmugapriya, J.Kokila, "Localized Mobility Prediction for Underwater Sensor Networks using Divided Sensitive Ranges," paper presented at the International Conference on Emerging Trends in Computer and Communication, held at Maria Engineering College, Kanyakumari on 16th February 2012.

PRESENTED IN NATIONAL CONFERENCES

- V. Sampath Kumar, Dr. M.Y. Sanavullah, "Lossless and Lossy Compression of Medical Images," at the National Conference on Novel Technologies in Biomedical Engineering, held at Adhiyamaan College of Engineering, Hosur on 19th March 2008.
- V. Sampath Kumar, S.AnthonyJusudurai, "Electrocardiogram Monitoring Using GSM Technology," at the National Conference on Novel Technologies in Biomedical Engineering, held at Adhiyamaan College of Engineering, Hosur on 19th March 2008.

- M.Aarthi, J.Jeyasudha, Dr. V. Sampath Kumar, "A Efficient Mutual Anonymity Protocols in Peer to Peer Networks,"at the National Conference on Innovations in Information Technology, held at Bannari Amman Institute of Technology, Erode on 25th February 2012.
- N.Gomathy, A.V.T RaghavRamana, Dr. V. Sampath Kumar, "Secure and Dependable Storage with Multiple Cloud Servers," at the National Conference on Innovations in Information Technology, held at Bannari Amman Institute of Technology, Erode on 25th February 2012.
- S.Gowri, Dr. V. Sampath Kumar, P.Muthuvenkatachalam, "Stealthy attacks in adhoc wireless network multihop detection," at the National Conference on Innovations in Information Technology, held at Bannari Amman Institute of Technology, Erode on 25th February 2012.
- B.Rama, P.Muthuvenkatachalam, Dr. V. Sampath Kumar, "Efficient Route Redirection in Unstructured Network," at the National Conference on Innovations in Information Technology, held at Bannari Amman Institute of Technology, Erode on 25th February 2012.
- M.Vijalakshmi, V.Murugan, Dr. V. Sampath Kumar, "Security Guidance for Outsourcing Linear Programming in Cloud Computing," at the National Conference on Innovations in Information Technology, held at Bannari Amman Institute of Technology, Erode on 25th February 2012.
- MsPonmalar, Dr. V. Sampath Kumar "A novel method to solve fire accidents in garbage dumps of Trichirapalli corporation using IoT" at the National Conference on NCNGCT2014, held at S.A.Engineering College, on 20th February 2014.

PAPER PRESENTED IN NATIONAL SEMINAR

- V. Sampath Kumar "Nanotechnology in Drug Delivery System" in National seminar on "Nanotechnology: Prospective and Future in the Indian Scenario", organized by Adhiyamaan College of Engineering, Hosur on 22.02.2007-23.02.2007.
- V. Sampath Kumar "Nanotechnology for Robotics" in National seminar on "Nanotechnology: Prospective and Future in the Indian Scenario", organized by

INTERNATIONAL WORKSHOP-PARTICIPATED

• International workshop on Nanotechnology organized by SASTRA, Tanjavur on Jan 11-12, 2003

REVIEWERSHIP

- International Journal of Food Process Engineering, Wiley.
- Int. J. of Biomedical Engineering and Technology, Inderscience
- Journal of Signal and Information Processing (JSIP), Scientific Research
- Reviewer in Academic Science Publication Journals
- many IEEE Conferences

RESEARCH PROMOTION

- Publication Chair in First and second IEEE International conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT 2017 & ICICICT 2019)
- Publication Chair in International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES 2019 & ICTCEES2020)
- Technical Program Chair in International Conference on Control, Power, Communication and Computing Technologies-2018.
- Advisory Committee member in International Conference on Multidisciplinary Innovation in Academic Research (ICMIAR-19)
- Scientific Committee Member in the International Conference on Latest Trends in Engineering and Management (ICLTEM-19).

OTHER ACTIVITIES:

- Department coordinator for NBA in Instrumentation and Control Engineering in Adhiyamaan College of Engineering, Hosur.
- Department coordinator for NBA in Instrumentation and Control Engineering in Dr. Mahalingam College of Engineering and Technology, Pollachi.

- Deputy Management Representative for ISO in Dr. Mahalingam College of Engineering and Technology, Pollachi.
- EDC coordinator of The Career Planning and Guidance (CPG) Division in Dr. Mahalingam College of Engineering and Technology, Pollachi.
- Training and Placement Officer for Shivani Group of Institutions.
- AICTE and Anna University affiliation in charge in Shivani Engineering College, Trichy.

OTHER CURRENT ACTIVITIES:

Department level

- Head of the Department
- Member, Department Advisory Board(DAB)
- Department Library in charge
- IPR Coordinator
- NBA Coordinator
- NAAC Coordinator
- NIRF Coordinator
- MOU In-charge
- Research and Development Works
- Exam Squad member
- Coordinator for INSTRUS2K18, Department of EIE, VJEC.

Institutional level

- MHRD Social Media Champion of VJEC
- Nodal Officer ICT Academy Kerala
- Nodal Officer MHRD Innovation Cell (MIC)
- Nodal Officer United Nation Academic Impact (UNAI)
- Nodal Officer Unnat Bharat Abhiyan (UBA)
- Nodal Officer Swachh Bharat Summer Internship programme (SBSI)
- Nodal Officer Atal Ranking of Institutions on Innovation Achievements(ARIIA)
- Nodal Officer KSUM IEDC VJEC campus

- President MoE Institute Innovation Council-VJEC
- Nodal officer Nehru Yuva Kendra Sangathan, Ministry of Youth Affairs & Sports (Government of India)
- SPOC- VJEC for Smart India Hackathon.
- Coordinator for inclusion of VJEC under section 2(f) and 12(b) of U.G.C act of 1956.
- Coordinator for ERASMUS International mobility programme.
- Coordinator for Deen Dayal Upadhyaya Grameen Kaushalya Yojana.
- Coordinator for certification and accreditation under the TATA Institute of Social Science Assessment and Empanelment Standards for Development Institutions in India (TISS AESDII)
- Nodal Officer K-DISC"s Young Innovators Programme (YIP)
- Nodal Officer Kerala Block chain Academy Innovation Club (KBAIC)
- College Officer for AISHE.
- SPOC Students Solar Ambassador workshops
- Founder Technopreneurship Development Center in VJEC
- Coordinator for National Innovation Startup policy (NISP) in VJEC
- Coordinator for ISRO-IIRS Outreach Programme in VJEC
- Coordinator for Social Entrepreneurship, Swachta & Rural Engagement Cell under MGNCRE, MoE, GoI in VJEC
- Coordinator for Rural Entrepreneurship Development Cell under MoE, GoI in VJEC
- Nodal Coordinator MHRD Virtual Lab (Amirtha) in VJEC
- Coordinator ICFOSS Kannur nodal center (VJEC)
- Coordinator Research Innovation Network Kerala VJEC Campus
- MoEs Innovation ambassador for Design Thinking VJEC
- Coordinator GitHub X Incubate IND VJEC

ENTREPRENEURSHIP DEVELOPMENT ACTIVITIES:

Coordinator for establishment of EDC in Dr.MCET with a funding Rs.6,00,000 from AICTE

i). EDC ACTIVITIES PARTICIPATED

S. No.	Year	Title	Funding Agency	Remarks
1	2009	NEN Foundation Course, Organized by NEN at Chennai. Period – 27.01.2009 to 31.01.2009	NEN	5 days programme
2	2009	Workshop on Technopreneur Promotion Programme (TePP) organized by PSG – STEP, PSG College, Coimbatore. On 09.04.2009	PSG - STEP	One day programme
3	2009	Marketing for Incubator Managers and Entrepreneurs, Online training program Organized by APIN (Asia Pacific Incubation Network) at Coimbatore period 08.08.2009 – 31.10.2009	MCET PSG APIN	3 days programme Online activities
4	2010	The Innovation and Social Entrepreneurship Conference organised by Villgro, Chennai on 3.12.10-4.12.10	Villgro	2 days programme
5	2018	DST Sponsored Two weeks FDP on Entrepreneurship-12th.to 23rd November 2018	DST	2 weeks

ii). ACTIVITIES CONDUCTED

S. No.	Year	Title	Funding Agency	Amount Sanctioned	Remarks
1	/I II IX	Special lecture on "good idea and Bad idea" by Mr.VinodShastri, Consultant, National Entrepreneurship Network, Pune	MCET	5,000	200 Students participated
2	2008	Entrepreneurship Awareness Campaign and National Entrepreneurship Network (NEN) Catalyst Programme		Rs.5,000	400 Students were given awareness on entrepreneur-ship
3	2000	Special lecture on "Interactive Gaming on Achievement Motivation" by Mr.M.Ashok, Head of Section, R & AC Dept., NPTC	MCET	5,000	200 Students participated
4		National Entrepreneurship Network, (NEN) "Creating an E – Campus"	MCET & NEN	Rs.1,000	One day programme at SNR Son"s College, Coimbatore 5 students participated

5	2008	Special lecture on "Support services from MSME for Entrepreneurs"	MCET	Rs.5,000	300 Students participated
6	2009	Entrepreneurship awareness camp- jointly conducted by Coimbatore Institute of Management Technology& Dr.Mahalingam College of Engineering & Technology	MCET	Rs.16,000	2 days program. 95 students participated
7	2009	Screening of movie- October sky	MCET	Rs.600	180 students participated
8	2009	Paper presentation ""My idea programme""	MCET PSG - STEP	Rs.,10,000	33 students presented 18 papers
9	2009	Special lectures a) service support from financial institutions-Mr.K.Suresh Kumar PSG- STEP b) self-employment opportunities — Mr.D.Jayagopal CODDISSIA c)exhibition- wealth from waste	MCET	Rs.15,000	91 students participated (19 teams presented their exhibits)
10	2009	Role of entrepreneurship – Mr.Ambalavanan, Director, Surge Forth Technologies	MCET	Rs. 6000	170 students participated
11	2009	Self employment and banking facilities for small scale / service industries. – Mr. M. Thiyagarajan, Director ASTI, Mr. S. Sampathkumar, Chief manager, SBI, Pollachi.	MCET	Rs. 6000	200 students participated
12	2009	"My Idea program", Jointly orgnised with P.S.G STEP.	MCET PSG- STEP	Rs.,10,000	52 students presented 26 papers
13	2009	PMEGP Awareness programme Mr. Thangavel, AGM – SBI Pollachi.	MCET	Rs. 5000	95 students participated
14	2010	Two days entrepreneurship camp jointly organized with CIMAT	MCET CIMAT	Rs. 20000	105 students participated
15	2010	The challenges faced by an entrepreneur. Mr. D. Gandhi kumar, President (TANSTIA)	MCET	Rs. 6000	152 students participated
16	2010	Self employment and government	MCET	Rs. 5000	202 Students

		schemes by Mr. A. Karunagaran, AGM SIDBI			participated
17	2010	"My Idea program", Jointly orgnised with P.S.G STEP.	MCET PSG- STEP	Rs.,10,000	84Students participated
18		"My journey as an Entrepreneur" by Mr.S. Elengo MD, Aathi Surya Group, Coimbatore.	MCET	Rs. 3000	115 students participated

TRAINING AND PLACEMENT ACTIVITIES:

Placement officer, Shivani Group of Institutions, Trichy

i). Placement drive organized

S. No.	Name of the company	Number of students selected
1	DATAMARK Prodapt India BPO Pvt Ltd	5
2	M/s UCAL Fuel Systems - Chennai	14
3	M/s Voltech Engineering Pvt Ltd- Chennai	14
4	Global Technologies Noida	1
5	ShivaniInfotech- Trichy	4
6	Brand Source Technologies	5
7	Reliance Communication	21
8	WIPRO Solutions (VIT consortium)	1
9	CTS (VIT consortium)	1
10	Arrows Technologies	4
11	UV Technologies	3
12	Traitsys Technologies, Bangalore	3
13	V Dart	21
14	Redwan Technologies	17
15	CSS Corp	7
16	Baskara Info Tech	6
17	Lucas - TVS Limited, Chennai	21

18	Ford India P Ltd, Chennai	14
19	L&T, Chennai	2
20	UCAL Fuel System Ltd, Chennai	63
21	Hyndai Motor India Ltd, Chennai	41
22	Addision India Ltd	24
23	Myunghwa Automotive India Pvt Ltd	40
24	IP Pins &Liners Ltd,IPrings,RBU	65
25	Source HOV	13
26	Control Engineering Ltd	11
27	Shardha Motors	9
28	Eureka Forbes Ltd	28
29	Apollo Pharmacy	44
30	Magus India	70

REFERENCES

1 Dr. T. D John
Dean Research
Vimal Jyothi Engineering College,
Kannur, Kerala
drtdjohn@vjec.ac.in
+919447540640

2 Dr. N. Siva Kumar Professor Dept of ICE NIT, Trichy nsknitt@gmail.com +919486001137

DECLARATION

I hereby declare that all the statements made above are correct to the best of my knowledge.

Place: Kannur Yours Sincerely,

Date: 28.06.2021

[Dr. V. Sampath Kumar]

TECHNOLOGICAL INTERVENTIONS

Presented by

Dr. V SAMPATH KUMAR

ABOUT ME

- Ph.D (Biomedical Image Processing, Computer Science Engineering) (Feb 2011) Vinayaka Mission University, Salem, Tamil Nadu.
- M.Tech. (Biomedical Signal Processing and Instrumentation) (May 2004) SASTRA DEEMED University, Thanjvur, Tamil Nadu, CGPA: 7.8730 Class: First Class with Distinction.
- B.E. (Electronics and Instrumentation Engineering) (April 2000) University of Madras, Tamil Nadu.Aggregate percentage: 63% Class: First Class

EXPERIENCE (19+ YEARS)

- 1.5 years as a Lecturer (with B.E) VMKV Engineering College, Salem.
- 3 years as a Lecturer (after M.Tech) Adhiyamaan College of Engineering, Hosur.
- 4 years as Lecturer & Asst Prof (after M.Tech) Dr. Mahalingam College of Engineering & Technology, Pollachi.
- 3 years as Professor and Head (after Ph.D) Shivani Engineering College, Trichy
- 2 years as Associate Professor (after Ph.D) Ethiopian Institute of Technology, Mekelle University, Ethiopia.
- 4.5 years from July 2016 to till date as Professor (after Ph.D) Vimal Jyothi Engineering College, Kerala

Name of Professional Body	Membership No.	Involvement
International Society for Research and Development	F3140900641	Fellow Life Member
Biomedical Engineering Society of India	L 621	Life Member
Instrument Society of India	LM 1848	Life Member
The Indian Society for Technical Education	LM 44079	Life Member
International Association of Engineers	LM 122246	Life Member
International Association of Computer Science and Information Technology	SM 80344759	Senior member
Institute For Engineering Research and Publication (IFERP)	PMIN78954260	Professional Member
ICST, CSTA, ISEIS, and APCBEES	-	Member

PROJECTS AND PUBLICATIONS

- 15 projects got funded from state and central government agencies
- 1 startup funded by MHRD IIC
- DST fund for Rs 16,00,000 for my research project cleared the final round under TIDE programme
- International journal 12
- International conference 11
- National Conference 14

PATENT APPLIED

- Integrated Water tube boiler with Atomizing Nozzle in Fire tube Boiler forwarded to Patent Facilitating Centre/TIFAC, New Delhi for further patent filling procedures through Kerala State Council for Science Technology and Environment.
- CBR number 33965- Title –Rasamenthira
- CBR number 38324- Litter robot for waste segregation
- CBR number 9523 Palm tree climber

MY TEAM

- Dr TD John, Retd Principal Government Engineering College, Kannur
- Mr Sunil Paul, Assistant Professor, Christ College of Engineering, Irinjalakuda.
- Mr Sarin CR, Assistant Professor, Vimal Jyothi Engineering College Kannur,

MEDICAL ASSISTANCE DEVICES

LOW COST BREATHING SUPPORT DEVICE (VERSION 1)



(VERSION 2) WITH MILLTEX, CBE



(VERSION 3) with SPERO CBE



FEATURES

- Portable
- Best battery backup
- Ease of operation
- Low-cost
- Made with local components

This project has won Rs 20,000 in the KTU mini ventilator challenge contest.

NEWS IN MEDIA



After a robot serving patients, Vimal Jyothi plans ventilator, mobile kiosk

M A RAISEY KUMAR SIGNAL

CARRYING food, water, and medicines for potients. Nightingale-19 is now walking the isolation ward corridors of the Covid treatment centre at Anjarakandy Medical College Hospital. Their newly-designed robot has become a matter of pride for the entire team of Vissal Jyothi Engineering College, Chemberi.

However, even as their efforts were duly appreciated by the Health department, the team led by Dr TD John, Dean of Research, and Sumil Paul. HOD, Mechanical Engineering department, brushes this appreciation aside it was important for them to contribute something to this massive bettie against the virus, they say.

The team is now working on developing a ventilator that could be used in isolation wards, and a movable klosk for doctors in the wards, "We need a clearance from the Medical Council of India to introduce the ventilator, which leae facults in the meeting, we we expect to get soon. The kiosk is also under way," said.

According to the due, the unyleiding support of the management, beaded by Bishop Mar Joseph Pamplany was the real strength behind the ov C Ajith Kumor told them

considering doing something isolation wards. creative and useful for the government," said Sunil, "Bishoe tient food, a person from the



The Virtal Jyothi Engineering College, Chemberi

Ever since the lockdown began, our college has been considering doing something creative and useful for the government

Sont Place Held, Minchanical Engineering Department

were asked to come up with work in connection with the - ideas to contribute to the war against the virus," he said.

A team from the college subsequently got in touch with the Anjarakandy Medical College Hospital authorities.

During the call, nodal officthat their biggest struggle was "Ever since the lockdown the serving of food, water and began, our college has been medicines to the potients in

"In order to serve the pa-Pamplany who is the chair- canteen will have to wear the man of the college, called a PPE, which costs \$1,500 per meeting with Fr James Chel- piece. Also, a unit of PPE canlamgettu, manager, Dr Benny not be used for a second time. Joseph principal, and the col- As they should enter the pa-

tient's room thrice a day at least ₹4,500 is spent everyday for this purpose alone," said

So, the four-member team which includes Dr Sampath Romar and Dr Sarin started working on a robot.

"We just wanted it to be a simple, user-friendly robot that could be operated by health workers in the isolation wards. We can't afford an advanced model, as it would need occasional

The team showed their first model to the medical college authorities, and then three more revised models, until it was fit for use. "We used the technology used in the wiper of care," said Dr John. The team had also get the support of local carpenters and a few

"The police department too stepped in, so that we could get



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FEATURES

- No sensors required.
- Purely mechanical
- No running cost
- Made using locally available materials

NEWS IN MEDIA

ന്യൂഡൽഹി • ഇന്ത്യയിൽ ഒറ്റദി വസത്തിനിടെ3604 പേർക്കുകൂടി കോവിഡ്. മരണം 87. ആരോഗ്യ

മന്ത്രാലയത്തിന്റെ കണക്കുപ്രകാ രം ആകെ കോവിഡ് കേസുകൾ 70,756. 2293 പേർ മരിച്ചു. പ്രതിദിനം 85,000 ടെസ്റ്റിനുള്ള ശേഷി നിലവിൽ ഇന്ത്യയ്ക്കുണ്ടെ ന്ന് ഐസിഎംആർ അറിയിച്ചു.



കരുതൽ കൈവിടാക്കെ: മുഖായിൽ നിന്ന് ഇന്നലെ മാത്രി 7.24ന് കബ്ലൂർ മാജ്യാന്തര വിമാ നത്താവളത്തിൽ എത്തിയ വിമാനത്തിലെ യാത്രക്കാൻ കുഞ്ഞിന്റെ കൈകൾ സാനിറ്റൈസർ ഉപയോ ഗിച്ച ശുചിയാക്കുന്നു. ലോക് ഡൗൺ ആരംഭിച്ച ശേഷം കണ്ണൂരിൽ ഇറങ്ങിയ ആദ്യ വിമാനത്തിലെ യാത്രക്കാരാണിവർ. ഇവർ ഉൾപ്പെടെ 182 പേരാണ് നാട്ടിലെത്തിയത്.

HERCULES-19 MOBILE KIOSK WITH SPERO





FEATURES

- Portable type Kiosk
- Can collect samples from persons without direct contact
- Chance of spreading disease from patients to doctors is very low.
- Can avoid PPE kit
- Less bio-medical wastage

NEWS IN MEDIA

വിമൽജ്യോതി കേരളത്തിന്റെ അഭിമാനം: മന്ത്രി ഇ.പി. ജയരാജൻ

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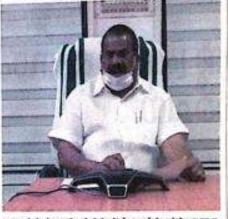
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cruse séaséas; agy mans യുപവർത്തകർക്കും ഈ ഒരു lofag maintenance allowed Scanned with CamScanner

ഇടക്ക് ക് രോഗങ്ങൾ ക്രോസ്ക് ഉർപ്പോത്തിനായി താരത്തി ആർച്ചിനിക്കുന്ന് എന്ന് അക്കുന്നുക ആ ർച്ച് തികപ് നർ തോർത് അരുക്കാറ്റം. അതിരുപത സഹായരങ്ങൾ കാർ ജോസഫ് പാംഗ്രസിയും ചേർത് controlled greaters, arts adminest acquaints, arts markent engages of appropriate replication Seesas fulneringing in a troophoselougage and acceptance in artistrated seasons and greatesting m stay, eachid alabaness of aggress and measure (mengles» algomenougens morri. gleg-mesoxyaava, undon adad organistracyus ofid

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After Nightingale 19, Vimal Jyothi comes up with Hercules 19 to fight Covid

M A RAJEEV KUMAR

The faculty and students of Vimal Jyothi Engineering College, Chemperi, have been engaged in the battle against Covid-19 in their own was They have now come up with another device to belp the Health Department in their fight against Covid-19 during these testing

The college had caught the attention of the public through their first contribution towards the Covid fight a few weeks ago with the introduction of Nightingale 19, a robot to serve food and medicines to Covid-19 patients in the isolation wards of hospitals. The robots are being used at Ancharakkandi Medical College and Thalasserry

General Hospital. Following their success with the acceptance of Nightingale 19, the college has come up with yet another device to help the Health Department—a special kiosk that can support doctors in checking the patients quickly while keeping a safe distance. The college has named the kiosk Horcules 19 in remembrance of Dr Simon Hercules of Chennai, who lost his life due to Covid-19 and was then tragically denied a proper burial by an angry mob. Even his colleagues too were attacked by the mob for trying to

give him a proper burial. Covid-19 is a respiratory virus that spreads primarily between individuals through respiratory droplets and contact routes. In normal cases, if the doctor is directly taking a sample from the infected person, there is a chance of viral transmission. Using Hercules-19, healthcare professionals can collect the samples without direct contact," said Dr T D John. Dean of Research, Vimal Jyothi Engineering College.

The portable klosk is also more comfortable than wear-



he electric mobile kiosk made by Vima lyathi Engineering College



in normal cases, if the doctor is directly taking a sample from the infected person, there is a chance of

Dr T D John, Dean of Research. Armal Jyothi Engineering College

ing a PPE kit and reduces the bio medical wastage. The production cost of a single unit comes to around \$80,000, said

The battery-operated Kiosk was inaugurated by Industries Minister E P Jayarajan last week. A team from Vimal Jyothi and SPERO Mobility and Energy Solutions Pvt Ltd. Coimbatore, has developed the product. A team of faculty members led by V Sampath Kumar and students from Vimal Jyothi along with Manikandan S and Mothilal Sivasubramaniam of SPERO made this dream project into a reality The company is ready to as semble more numbers as per the requirement, once the lockdown is called off. The college is planning to make some amendments in the klock to improve the thickness for better performance.









TWO WHEELER BASED SANITIZER SPRAYER FOR TRICHIRAPALLI CITY CORPORATION



FEATURES

- Low-cost device
- No risk of operation.
- Easy operations even in the smallest lane

NEWS IN MEDIA

Trichy corpn gets cost-effective mobile disinfectant machine

TIMES NEWS NETWORK

Trichy: A cost-effective mobiledisinfectant has been developed by Vimal Jyothi Engineering College, in Kerala, that can be easily moved around and also connected to a motorcycle for disinfeeting public roads and bus. stands.

Named Unnut Mobile Sanitiser", the equipment was developed by the team in collaboration with SVN metals Trichy and Bharath Engineering Corporation, it was donated to Trichy Corporation in the presence of corporation commissioner S Swasabramanian on Tuesday

It has been designed specifically to sterilize public roads, bus stands and other



CHEAP AND LIGHT: The device has been designed specifically to sterilize public roads, bus stands and other common places

common places by spraying disinfectant solution.

V Sampath Kumar, profiresor from Virna Jyothi college, said that the equipment is cost effective and con heused by anyone. "The equipment can be easily connected on a two-wheeler and quiek disinfection can be carried out on public places and roads," he said.

The machine, mounted on three wheels, can spray up to 10ft

"The engine is fitted with two motors which are electrically rechargeable," said T D John, head of the resesuch team. The machine, mounted on three wheels, can spray up to 10ft. Disinfectant ean be spenyed with special fitted accompenents for a further 600 with a 300-long bose, he said.

Sanitary officer's Karthikeysin from Trichy Corporation said that the equipment will help disinfect office spaces and multi storey buildings. The occupment is ecofriendly and cost effective not running on fuel, he said.

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2000 ___CT11, -23, May 2007. STREET STREET PROSPET BOWLES AND CHILD SHE

360' VIRUS PROTECTOR FOR COIMBATORE COVID CENTER



FEATURES

- Low-cost device
- No risk of operation.
- Can be used as an alternative to PPE kit

APPRECIATION

Date 98.97,2620

APPRECIATION CERTIFICATE

This is to thank and appreciate your kindness in supporting ESI Hospital Coimbators in fighting Covid-19 Pandemic by donating equipment named 360° Virus Protector. Your faculty Dr. V. Sampath Kumar has designed and fabricated the equipment with your consent and donated it to our bospital today. Special thanks to your research team in Vintal Byothi Engineering College, Chemperi, Kannur.

Dean, EST Haspital
DE AN
GINCROMENT FILTER AL COLLEGE
EST INTEREST.

To.

The Principal.

Vimal Jyothi Engineering College,
Chemperi, Kannur.

Test Version



Version - 1



Version - 2



Version - 3



Features

- 1. Carry 25 kg payload
- 2. Operational range of 1 km LOS
- 3. Video conferencing
- 4. One day battery life
- 5. Very easy to operate
- 6. Fire and water resistant multi wood

material

NEWS IN MEDIA

Now, 'Nightingale of Kannur' to the aid of Covid hospital

Kannur; Machines rush mere confidently than humans who tend to be cautious Such was the case at the Covid hespital at Anjarakkandy in the district on Monday when a robot fearlessly outered the hospiral to assist the medical and healthcare teams in treating Covid-19 parients.

Health minister R R Short Inia innungurated the service of the robot, named 'Nightingale-19', via video call, and also interacted with a few children undergoing treat-

The robot has been developed by the robotics centre of Vimal Joothi Engineering College of Chempers in the district, and the service was offered free of cost.

Nightimeale-19 is a lot more advanced than the one at the hospital in Wishan, China, where Covid-19 was first reported, said the team that developed it with the assistance of health department offici-

Apart from providing food and medicines to the patients. it would help interact with the cationts via video, without wearing a PPE kit, said Dr With Kumar, who is the nodal officer coordinating the Covid reatment in Amariakandy The one in Wuhan was used mly to provide food and medime and no communication



A robot named 'Nightingale-19' developed by Vimil Jyothi Enginenning College for the Covid special hospital at Anjarakkandy in Kannur

was-possible.

With this facility, we could avoid going to the potients wearing the PPE kits, even for mmor requirements, but we would continue the routine personal visits as part of the medical examination," said Dr Kumar

This robot can be mannged using a remote control up to a distance of 1km and after every single use it would be disinfected. It is also a relaxing presence for the patients. including children, be said.

The robot can carry a payload of up to 25kg, which mearm it can take modicines, food and water for at least six partents at a time, said the team comprising associate profesnor CESarin, rescuren dean't D John, research from membor Smil Paul, which develo-

Along with this, the collego has also developed leg-operated saminer dispenser. which was presented to the Covid hospital. Using this systom, the sunitiper can be used without touching the bottle by hand. When a pedal is pressed with the foot, the continuer wotild come out through a tube.

Now the engineering colions is in the process of developing a movable knowle which would enable the health personnel to repen the patient without wearing a Pipe leit.

DATO E Narayana Sayan EUROPHIANCE OFFICER MAR STAR and DPM & V Lathoun obs interacted with the patients with the help of the robot.



A robot built to fight COVID-19 in Kerala

THIRUVANANTHAPURAM The district COVID centre at Ancharakkandi, Kannur, is making news for deploying robots to fight COVID-19. The robot assists health workers in caring for patients, taking food and medicines to them and aiding interaction between the patients and the staff. Named 'Nightingale-19', the robot has been designed by the students of Vimal Jyoti Engineering College. Health Minister K.K. Shylaja launched the robot via videoconference.

True patr

STAFF REPORT CHENNAL

After holding Narendra Mo for the pligh workers acros in the face of lockdown, M Maiam found san on Mond post-COVID-19 focus more health and sa rather than sector.

In a video party, Mr. H he wanted t solutions to sues, ethnic faced by mis safety, publ



Pinarayi Vijayan

Yesterday at 4:34 PM - Q

കോവിഡ്-19 മഹാമാരിയുടെ പശ്ചാത്തലത്തിൽ പ്രതിരോധ പ്രവർത്തനങ്ങളെ ശക്തമാക്കാൻ ഉതകുന്ന രീതിയിൽ ഇടപെടാൻ എല്ലാ മേഖലകളിൽ ഉള്ള ആളുകളോടും സർക്ക ആവശ്യപ്പെട്ടിരുന്നു. അതിനെത്തുടർന്ന് സാങ്കേതിക വിദ്യം വികസിപ്പിക്കാൻ വേണ്ട ശ്രമങ്ങൾക്ക് സ്റ്റാർട്ടപ്പ് മിഷൻ ആര കുറിക്കുകയും ആശയങ്ങൾ ക്ഷണിക്കുകയും ചെയ്തു. ക്രിയാത്മകമായ പ്രതികരണമാണ് ഈ കാര്യത്തിൽ സർക്കാറിന് ലഭിച്ചത്. അതിനൊരു മികച്ച ഉദാഹരണമാണ് ചെമ്പേരി വിമൽജ്യോതി എൻജിനിയറിങ് കോളേജിലെ വിദ്യാർത്ഥികൾ ആരോഗ്യ വകുപ്പിന്റെ നേത്യത്വത്തിൽ രൂപകൽപ്പന ചെയ്ത, കോവിഡ് -19 രോഗികളുടെ പരിചരണത്തിന് ഉപയോഗിക്കാവുന്ന, റോബോട്.

'നൈറ്റിംഗൽ-19' എന്ന് പേരു നൽകിയ ഈ റോബോട്ടിനെ ഉപയോഗിച്ച് രോഗികൾക്ക് ഭക്ഷണവും വെള്ളവും എത്തിക്കാൻ സാധിക്കും. ഇതിൽ ഘടിപ്പിച്ച പ്രത്യേക ഡിസ്പ്ലേയിലൂടെ ജീവനക്കാരെയും ബന്ധുക്കളെയും കണ്ട് സംസാരിക്കാനും സാധിക്കും. ഇതുവഴി ആരോഗ്യ പ്രവർത്തകരുടെ സുരക്ഷിതത്വം കൂടുതൽ ഉറപ്പു വരുത്താ സാധിക്കും.

സാങ്കേതിക വിദൃകളുടെ വികാസത്തിൽ കേരളത്തിലെ യുവാക്കൾ നടത്തുന്ന ഇടപെടലുകൾ പ്രതീക്ഷാ നിർഭരമാം സർക്കാർ അവർക്ക് മികച്ച പിന്തുണ നൽകും. ഇത്തരം ശ്രമങ്ങളെ സമൂഹത്തിനൊന്നടങ്കം ഗുണകരമാകുന്ന രീതിം ഉപയോഗപ്പെടുത്താനാണ് സർക്കാർ പരിശ്രമിക്കുന്നത്.



K K Shailaja Teacher

April 20 at 5.02 PM (3)

ചൈനയിലെ വുഹാനിൽ കോവിഡ് 19 റിപ്പോർട്ട് ചെയ്യ സമയത്ത് നമ്മളെ അത്ഭുതപ്പെടുത്തിയ ഒന്നാണ് കോവിഡ് രോഗികളുടെയടുത്ത് ഭക്ഷണമെത്തിച്ച റോബോട്ടുകൾ. രോഗ വ്യാപനമുണ്ടാകുന്നതിനാൽ പി.പി.ഇ. കിറ്റുൾപ്പെടെ ധരിച്ച് മാത്രമേ ഇത്തരം രോഗികളുടെ അടുത്തെത്താൻ പറ്റൂ. ഈയൊരു സാഹചര്യത്തിലാണ് റോബോട്ട് ശ്രദ്ധ നേടിയത്. ചൈനയിലാകാമെങ്കിൽ നമുക്കും ആകാമെന്ന് ഉറച്ച് വിശിസിക്കുകയാണ് കേരളവും. കൂടുതൽ പോസിറ്റീവ് കേസുകളുള്ള കണ്ണൂർ ജില്ലയിലെ അഞ്ചരക്കണ്ടി ജില്ലാ കോവിഡ് സെന്ററിലാണ് ആരോഗ്യ പ്രവർത്തകരെ സ...

See More See Translation







K Sudhakaran

4 hrs Q

ലാകം മുഴുവൻ കോവിഡ് ഭീതിയിൽ വിറങ്ങലിച്ച് നിൽക്കുമ്പോൾ കോവിഡ് ബാധിതരെ ശാരീരിക അകലം ചാലിച്ചുകൊണ്ട് പരിചരിക്കേണ്ടത് ആരോഗു പവർത്തകരുടെ സുരക്ഷക്ക് അത്യാവശ്യമാണ്.

ഈ സാഹചര്യത്തിൽ ആരോഗ്യരംഗത്തു പവർത്തിക്കുന്നവർക് ഒരു കൈത്താങ്ങായി രോഗികൾക്ക് രുന്നും, ഭക്ഷണവും, വെള്ളവും എത്തിച്ചു നൽകുക എന്ന ധക്ഷ്യത്തോടെ "നെറ്റിങ്ഗെയിൽ -19" എന്ന പേരിൽ ഒരു റാബോട്ട് നിർമിച്ച് കണ്ണൂർ കോവിഡ് ചികിത്സ സെന്റർ ആയി ഗവണ്മെന്റ് തിരഞ്ഞെടുത്തിരിക്കുന്ന അഞ്ചരക്കണ്ടി മെഡിക്കൽ കോളേജിന് സൗജന്യമ... See More ee Translation



OTHER ACTIVITIES FOR RURAL DEVELOPMENT

BROOM MAKING MACHINE

Coconut Leaf Broom Making Machine for Village Households A)- Engineering details of the proposed machines: Fig .1 Broom making midrib separator module Fig .2 Mid rib tying module





• Received a grant of Rs. 1, 00,000 for project entitled "Broom making machine" under Technology Demonstration Proposals of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.

LOW COST TOTAL STATION

For surveying land slides and flood calamities.





COMPONENTS

- Telescope
- Potentiometer 10k
- LCD Display (16×2)
- Arduino uno
- Stand for the setup

ADVANTAGES

- The Electronic Total Station makes surveying process simpler and cost effective which benefits the entire Civil Engineering community.
- Good. Battery backup
- A single person can operate this machine.
- Can be made using one by tenth of cost of existing Total station

SOLAR COCONUT DRYER





• Received a grant of Rs. 1, 00,000 for project entitled "Solar Coconut Dryer" under Technology Demonstration Proposals of Participating Institutions by Subject Expert Groups under Unnat Bharat Abhiyan 2.0 Programme of Government of India.

SOLAR COIR DRYER



INTEGRATED WATER TUBE BOILER WITH ATOMIZING NOZZLE IN FIRE TUBE BOILER







- The project entitled "Integrated Water tube boiler with Atomizing Nozzle in Fire tube Boiler (Hybrid Boilers)"
- Grant of Rs.5, 00,000 from Kerala State Council for Science and Technology under Technology Development and Adaptation Programme.

AUTOMATIC PUTTUMAKING MACHINE



- A grant of Rs. 1, 56,750 from APJ Abdul Kalam Technological University under Center for Engineering Research and Development Research Seed Money Scheme.
- Got selected for a student startup grant of Rs. 4,00,000 for the project titled Puttumatic under MHRD IIC and AICTE

NEWS IN MEDIA

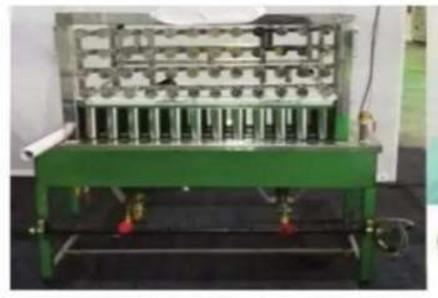
പത്ത് മിനിറ്റ്കൊണ്ട് 50 കുറ്റി പുട്ട്; വിമൽജ്യോതിയുടെ പ്രോജക്ലിന് എംഎച്ച്ആർഡിയുടെ അംഗീകാരം

ചെമ്പേരി:ചെമ്പോരി വിമത്ങ്യോ തി എൻജിനിയറിംഗ് കോളജി ഒല ഒരുപറ്റം വിദ്യാർഥികൾ വി കസിപ്പിച്ചെടുത്തപുട്ട് നിർമാണ ഉപകരണത്തിന് എംഎച്ച്ആർ ഡിയുടെ അംഗീകാരം.

10 മിനിറ്റ്കൊണ്ട് ഇ കുറ്റി പുട്ട് ഉണ്ടാക്കാൻ കഴിയുന്ന ഉപ കരണമാണ് വിദ്യാർഥികൾ നിർ മിച്ചത്. ഡൽഹിയിൽ എംഎ ച്ച്ആർഡി നടത്തിയ മത്സരത്തി ൽ കേരളത്തിൽനിന്നുള്ള മികച്ച വിദ്യാർഥി പ്രോജക്യായി തെര ഞ്ഞെടുക്കപ്പെടുകയും നാലു ല ക്ഷം രൂപ അനുവദിക്കുകയും ചെയ്തു.

ഇൻസ്ട്രാമന്റേഷൻ എൻജി നിയറിംഗ് അധ്യാപകനായ ഡോ. സമ്പത്ത് കുമാർ, വിദ്യാർ ഥികളായ അഖൻ കെ. ഷാജി, അശ്വിൻ സുധൻ, അതുൽപ്രശാ ത്, ഫെബിൻ നാലാപ്പാട്ട് എന്നി വർ ചേർന്നാണ് പ്രോജക്ട് തയാ

ചെയർമാൻ മാർ ജോസഫ് പാംപ്ലാനി, മാനേജർ ഫാ. ജയിം സ് ചെല്ലങ്കോട്ട്, പ്രിൻസിപ്പൽ ഡോ. ബെന്നി ജോസഫ്, ഫാ. ജി



ചെന്നേതി വിമൽജ്യോൽ എൻജിനിയറിംഗ് കോളജിലെ വിദ്യാർഥികൾ വികസിഷിച്ചെടുത്ത പൂട്ട് നിർമാണ ഉപകരണം.

നു വടക്കെമുളങ്ങനാൽ, ഹാ. ബിബിൻ വരമ്പകത്ത്, റിസർച്ച് ഡീൻഡോ. ടിഡി ജോൺ എന്നി വരുടെ മാർഗനിർദേശങ്ങളും സ ഹകരണവുമാണ് ഈ ഉപകരണ ത്തിന്റെ നിർമാണത്തിലേക്ക് ന യിച്ചതെന്ന് വിദ്യാർഥികൾ പറ ഞ്ഞു.

പത്തുമിനിറ്റ് കൊണ്ട് 50കുറ്റി പുട്ട് റെഡി: വിദ്യർത്ഥികളുടെ പ്രൊജക്ടിന് 4ലക്ഷം സമ്മാനം

ശ്രീകണ്ഠാപുരം: പത്ത് മിനിറ്റ് കൊണ്ട് 50 കുറ്റി പുട്ട് ഉണ്ടാ ക്കാൻ കഴിഞ്ഞാൽ . ഭക്ഷണ ശാലയിലെ തൊഴിലാളികളുടെ യും വീട്ടമ്മമാരുടെയും അദ്ധോ നത്തിന് ആശ്വാസകരമാകുന്ന ഒരു ഉപകരണം യാഥാർത്ഥ്യമാ ത്രിക്കുന്നു.

വിമര്ണ്ടുതി ചെമ്പേരി എൻജിനിയറിംഗ് കോളേജിലെ ഒരുപറ്റം വിദ്യാർത്ഥികൾ പുതി തനായി വികസിപ്പിച്ചെടുത്ത പു ട്ട് നിർമ്മാണ ഉപകരണം വളരെ ശാധയമായിരിക്കുന്നു. 10 മിനി ദ് കൊണ്ട് 50 കുറ്റിപുട്ട് നിർജ്ജി ക്കാന് കഴിയുന്ന ഉപകരണത്തി നാണ് ഇവർ രൂപംനൽകിയിരി ക്കുന്നത് ഡത്ഹിയിൽ എം.എ ച് .ആർ. ഡി . നടത്തിയ മഞ്ഞ ത്തിത് ഈ ഉപകരണത്തെ കേ മെത്തിൽ തിന്തുള്ള ഏറ്റവും ത ല വിദ്യാര്താടി പ്രൊങ്ക് ടായി തിരഞ്ഞെടുക്കുകയും നാവു ല ക്കും രൂപ അനുവദിക്കുകയും ചെയ്താ

ഇൻസ്ട്രൂമെൻറേഷൻ എ ഞ്ചിനീയറിംഗ് അധ്യാപകനായ ഡോക്ടർ സമ്പത്ത് കുമാർ.വി ദ്യാർഥികളായ അലൻ കെ കാജി, അശ്വിൻ സുധർ,അ യുൽപ്രശാൻ, ഫെബിൻ സാലാ പ്രാട്ട് എന്തിവർ ചേർന്നാണ് ഈ



 10 മിനുട്ട കൊണ്ട്. so കുറ്റി പുട്ടുണ്ടാക്കുന്ന ഉപകരണവും വിഭ്യാർത കളും.

പൂട്ട് നിർമ്മാണ ഉപകരണം വി കസിപ്പിച്ചെടുത്തിരിക്കുന്നത് പൂട്ട് ഉണ്ടാക്കുന്നതിലെ നലിയ ബുദ്ധി മൂട്ട്എന്ന് പറയുന്നത് ഓ രോ പ്രാവശ്യവും മുന്നോ നാ ലോ കഷ്ണം മാത്രം ഉണ്ടാക്കാ നേ കഴിയു എന്നുള്ളതാണ്.

ഈപ്രശ്നത്തിന് പരിഹാരം ആയിട്ടാണ് ഒരേസമയം 50 കുറ്റി പൂട്ട് ഉണ്ടാക്കാൻ കഴിയുന്ന ഒരു മെഷിൻ നിർമ്മിക്കുവാൻ ഇവ ഒര പ്രേതിപ്പിച്ചത് . വിമത് ജ്യോ ത് എങ്ങിനിയറിംഗ് കോളേജ് അടുത്തനാളുകളിലായി തിരേ യി കോവിഡ് പ്രതിരോധ ഉപക രണങ്ങൾ സ്പെറോ ഇലക്ടി ക്കൽസ് , കോയവത്തൂർ ആയി

സഹകരിച്ച നിർമ്മിച്ച വിവിധ ആശുപത്രികൾ ക്കായി നൽകി യിട്ടുണ്ട് ചെയർമാൻ മാർ.ജോ വം മണമാരു ഗ്രാവ്യാംഗ : ജയിംസ് ചെല്ലം കോട്ട്, കോള ജ് പ്രിൻസിച്ചത് ഡോക്ടർ ബെ ന്നി ജോസഫ് , ഫാ. ജിനു വട കോ മുളഞ്ഞാൽ, ഫോ ബിബിൻ വാത്വകത്ത് . റിസർച്ച് ഡീൻ ഡോക്ടർ റ്റി.ഡി ജോൺ എന്നി വരുടെ മാർത്ത നിർദേശങ്ങളും സഹകാണവുമാണ് ഈ ഉപക രണത്തിന്റെ കണ്ടുപിടുത്തത്തി ലേക്ക് നയിച്ചതെന്ന് വിദ്യാർ തറികൾ രാധ്യമ പ്രവർത്തക തോട് പറഞ്ഞു.

UBA PROJECT GLOVE MAKING MACHINE







OUR DESIGN & PRODUCT













CURRENT RESPONSIBILITIES

- 1. Head of the Department
- 2. MHRD Social Media Champion of VJEC
- 3. Nodal Officer ICT Academy Kerala
- 4. Nodal Officer United Nation Academic Impact (UNAI)
- 5. Nodal Officer Unnat Bharat Abhiyan (UBA)
- 6. Nodal Officer Swachh Bharat Summer Internship programme (SBSI)
- 7. Nodal Officer Atal Ranking of Institutions on Innovation Achievements (ARIIA)
- 8. Nodal Officer KSUM IEDC VJEC campus
- 9. President MoE Institute Innovation Council-VJEC

CURRENT RESPONSIBILITIES

- 10. Nodal officer Nehru Yuva Kendra Sangathan, Ministry of Youth Affairs & Sports (Government of India)
- 11. SPOC- VJEC for Smart India Hackathon.
- 12. Coordinator for inclusion of VJEC under section 2(f) and 12(b) of U.G.C act of 1956.
- 13. Coordinator for ERASMUS International mobility programme.
- 14. Coordinator for Deen Dayal Upadhyaya Grameen Kaushalya Yojana.
- 15. Coordinator for certification and accreditation under the TATA Institute of Social Science Assessment and Empanelment Standards for Development Institutions in India (TISS AESDII)
- 16. Nodal Officer K-DISC"s Young Innovators Programme (YIP)
- 17. Nodal Officer Kerala Block chain Academy Innovation Club (KBAIC)
- 18. Nodal Officer for AISHE.
- 19. SPOC Students Solar Ambassador workshop

CURRENT RESPONSIBILITIES

- 20. Founder Technopreneurship Development Center in VJEC
- 21. Coordinator for National Innovation Startup policy (NISP) in VJEC
- 22. Coordinator for ISRO-IIRS Outreach Programme in VJEC
- 23. Coordinator for Social Entrepreneurship, Swachta & Rural Engagement Cell under MGNCRE, MoE, GoI in VJEC
- 24. Coordinator for Rural Entrepreneurship Development Cell under MoE, GoI in VJEC
- 25. Nodal Coordinator MHRD Virtual Lab (Amirtha) in VJEC
- 26. Coordinator ICFOSS Kannur nodal center (VJEC)
- 27. Coordinator Research Innovation Network Kerala VJEC Campus
- 28. MoE innovation Ambassador for Design thinking

CURRENT CONSULTANCY PROJECTS

- Smart Water management
- Smart Waste management
- Dump yard to tourist spot
- Transactive grid for Kannur District
- Plastic to polymer
- Bailing Machine
- Low cost Fertilizer spraying drone







CERTIFICATE FOR PERENNIAL ASSISTANCE AWARD

This certifies that

DR. V SAMPATH KUMAR OF VIMAL JYOTHI ENGINEERING COLLEGE, KANNUR, KERELA

has been awarded special Perennial fund of Rs. 1,75,000 for effective delivery of UBA mandate under national level competition among all Participating Institutions of UBA, and announced on 15 th August, 2020 by UBA National CoordinatingInstitute IIT Delhi.

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Prof. Virendra Kumar Vijay National Coordinator Unnat Bharat Abhiyan

THANK YOU