

Address For Communication

Dr. V. Sampath Kumar,
75 WB Road, Trichy -620008
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Email: drvspath@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 : drvspath@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, Thanjavur, 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
Ph.D	Vinayaka Missions University, 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)
3. 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”
5. 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)“.
8. 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.
11. 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-December 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

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 on 16.12.2005-17.12.2005.
- 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 Pentagon Research Center, Hyderabad 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.Soniya V. Sampath Kumar, “Efficiency of Aura Images in diagnosis of Epilepsy”, in International conference on Systematics, Cybernetics and Informatics-2008 at Pentagon 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.Balakrishnan, 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

Adhiyamaan College of Engineering, Hosur on 22.02.2007-23.02.2007.

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	2008	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	MCET	Rs.5,000	400 Students were given awareness on entrepreneur-ship
3	2008	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	2008	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 organised 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 organised with P.S.G STEP.	MCET PSG-STEP	Rs.,10,000	84Students participated
18	2011	„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	Hyundai 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
nskitt@gmail.com
+919486001137

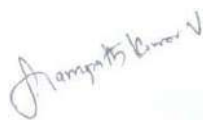
DECLARATION

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, Thanjavur, 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

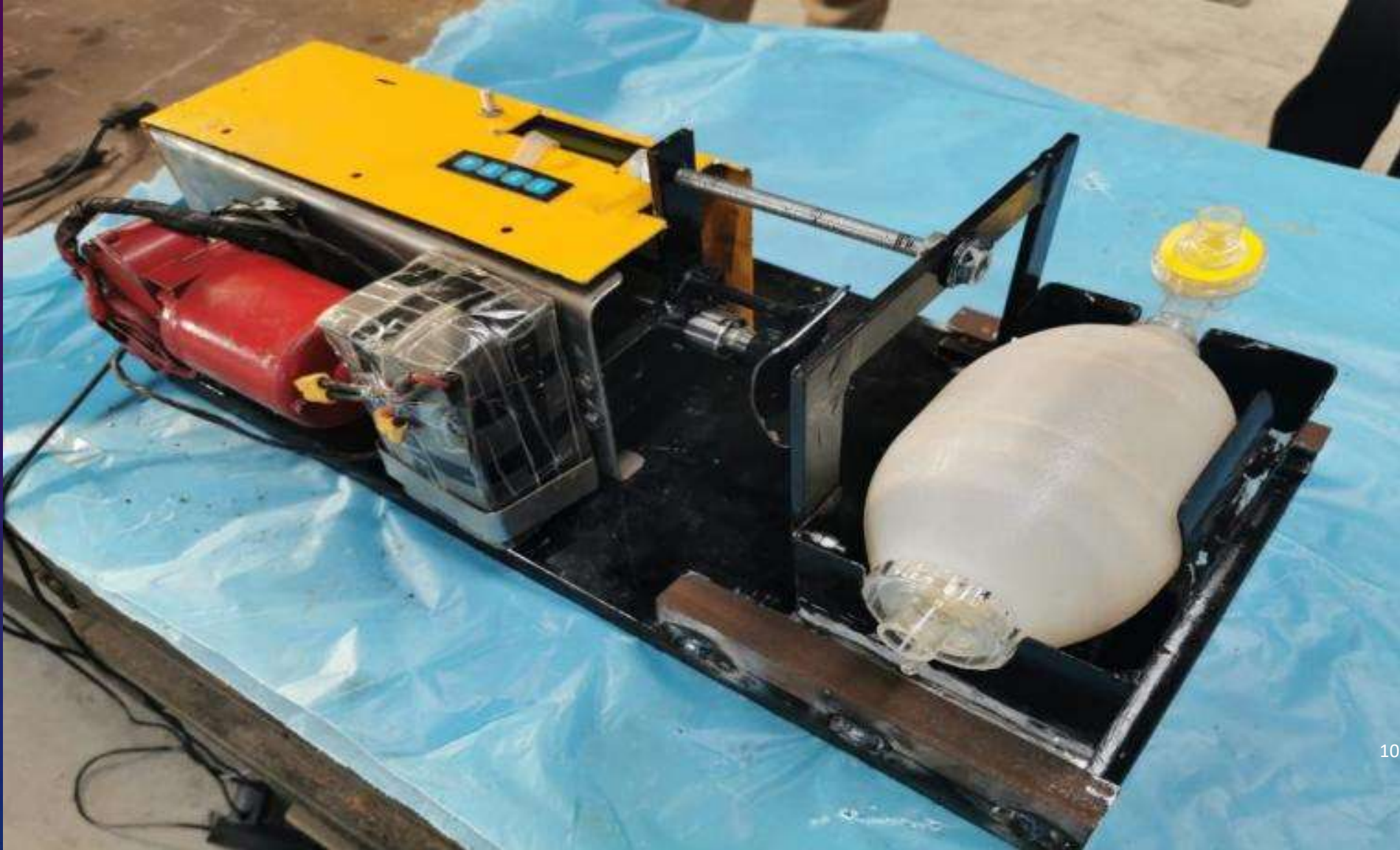
- Dr TD John, Retd Principal Government Engineering College, Kannur
- Mr Sunil Paul, Assistant Professor ,Christ College of Engineering, Irinjalakuda.
- Mr Sarin CR , Assistant Professor, Vimal Jyothi Engineering College Kannur,

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

W A RAJEEV KUMAR @Kumar

CARRYING food, water, and medicines for patients, 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 Vimal Jyothi Engineering College, Chembur.

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

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

According to the duo, the unyielding support of the management, headed by Bishop Mar Joseph Pamplany was the real strength behind the team's success.

"Ever since the lockdown began, our college has been considering doing something creative and useful for the government," said Sunil. Bishop Pamplany who is the chairman of the college, called a meeting with Fr James Chelamgattu, manager, Dr Benny Joseph, principal, and the col-



The Vimal Jyothi Engineering College, Chembur

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

Sunil Paul, HOD, Mechanical Engineering Department

lege faculty. In the meeting, we were asked to come up with 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 officer C Ajith Kumar told them that their biggest struggle was the serving of food, water and medicines to the patients in isolation wards.

"In order to serve the patient food, a person from the canteen will have to wear the PPE, which costs ₹1,500 per piece. Also, a unit of PPE cannot be used for a second time. As they should enter the pa-

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

So, the four-member team which includes Dr Sampath Kumar and Dr Serin 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 maintenance."

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 wiping of cars," said Dr John. The team had also got the support of local carpenters and a few students.

"The police department too stepped in, so that we could get some equipment needed from the shops," said Sunil.



FOOT OPERATED SANITISER DISPENSER

Version - 1



FOOT OPERATED SANITISER DISPENSER

Version - 2



FOOT OPERATED SANITISER DISPENSER

Version - 3



FOOT OPERATED SANITISER DISPENSER

Version - 4



FEATURES

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

NEWS IN MEDIA

ന്യൂഡൽഹി • ഇന്ത്യയിൽ ഒറ്റദിനത്തിനിടെ 3604 പേർക്കുകൂടി കോവിഡ്. മരണം 87. ആരോഗ്യ

മന്ത്രാലയത്തിന്റെ കണക്കുപ്രകാരം ആകെ കോവിഡ് കേസുകൾ 70,756. 2293 പേർ മരിച്ചു.

പ്രതിദിനം 85,000 ടെസ്റ്റിനുള്ള ശേഷി നിലവിൽ ഇന്ത്യയ്ക്കുണ്ടെന്ന് ഐസിഎആർ അറിയിച്ചു.



കരുതൽ കൈവിടാതെ: ദുബായിൽ നിന്ന് ഇന്നലെ രാത്രി 7.24ന് കണ്ണൂർ രാജ്യാന്തര വിമാനത്താവളത്തിൽ എത്തിയ വിമാനത്തിലെ യാത്രക്കാർ കൂത്തിന്റെ കൈകൾ സാനിറ്റൈസർ ഉപയോഗിച്ച് ശുചിയാക്കുന്നു. ലോക് ഡൗൺ ആരംഭിച്ച ശേഷം കണ്ണൂരിൽ ഇറങ്ങിയ ആദ്യ വിമാനത്തിലെ യാത്രക്കാരാണ് ഇവർ. 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

വിമൽജ്യോതി കേരളത്തിന്റെ
അഭിമാനം: മന്ത്രി ഇ.പി. ജയരാജൻ

INDIAN EXPRESS 15 May 2020 <https://epaper.indianexpress.com/c/515>

TWO WHEELER BASED SANITIZER SPRAYER FOR TRICHIRAPALLI CITY CORPORATION



FEATURES

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

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 08.07.2020

APPRECIATION CERTIFICATE

This is to thank and appreciate your kindness in supporting ESI Hospital Coimbatore 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 hospital today. Special thanks to your research team at **Vimal Jyothi Engineering College**, Chempuri, Kannur.

To,

The Principal,
Vimal Jyothi Engineering College,
Chempuri, Kannur.


Dean, ESI Hospital
DEAN
GOVERNMENT MEDICAL COLLEGE
ESI HOSPITAL
SIVGANALLUR COIMBATORE - 41

NIGHTINGALE - 19

Test Version



NIGHTINGALE - 19

Version - 1



NIGHTINGALE - 19

Version - 2



NIGHTINGALE - 19

Version - 3



NIGHTINGALE - 19

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

TIMES NEWS NETWORK

Kannur: Machines rush more confidently than humans who tend to be cautious. Such was the case at the Covid hospital at Ancharakkandi in the district on Monday, when a robot fearlessly entered the hospital to assist the medical and healthcare teams in treating Covid-19 patients.

Health minister K.K. Shylaja inaugurated the service of the robot, named 'Nightingale-19', via video call, and also interacted with a few children undergoing treatment.

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

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

Apart from providing food and medicines to the patients, it would help interact with the patients via video, without wearing a PPE kit, said Dr Ajith Kumar, who is the nodal officer coordinating the Covid treatment in Ancharakkandi. The one in Wuhan was used only to provide food and medicine and no communication



A robot named 'Nightingale-19' developed by Vimal Jyothi Engineering College for the Covid special hospital at Ancharakkandi in Kannur

was possible.

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

This robot can be managed 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, he said.

The robot can carry a payload of up to 25kg, which means it can take medicines, food and water for at least six patients at a time, said the team comprising associate professor C.R.Sarin, research dean T.D. John, research team mem-

ber Sunil Paul, which developed it.

Along with this, the college has also developed leg-operated sanitizer dispenser, which was presented to the Covid hospital. Using this system, the sanitizer can be used without touching the bottle by hand. When a pedal is pressed with the foot, the sanitizer would come out through a tube.

Now the engineering college is in the process of developing a movable kiosk, which would enable the health personnel to reach the patient without wearing a PPE kit, they said.

DMO K. Narayana Nair, surveillance officer M.K. Shaj and DPM K.V. Lathosai also 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 video-conference.

True patri

STAFF REPORT
CHENNAI

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

In a video party, Mr. H he wanted to solutions to v sues, ethnic faced by mig safety, publ and the treat



Pinarayi Vijayan

Yesterday at 4:34 PM · 🌐

കോവിഡ്-19 മഹാമാരിയുടെ പശ്ചാത്തലത്തിൽ പ്രതിരോധ പ്രവർത്തനങ്ങളെ ശക്തമാക്കാൻ ഉതകുന്ന രീതിയിൽ ഇടപെടാൻ എല്ലാ മേഖലകളിൽ ഉള്ള ആളുകളോടും സർക്കു ആവശ്യപ്പെട്ടിരുന്നു. അതിനെത്തുടർന്ന് സാങ്കേതിക വിദ്യ, വികസിപ്പിക്കാൻ വേണ്ട ശ്രമങ്ങൾക്ക് സ്റ്റാർട്ടപ്പ് മിഷൻ ആരംഭിക്കുകയും ആശയങ്ങൾ ക്ഷണിക്കുകയും ചെയ്തു. ക്രിയാത്മകമായ പ്രതികരണമാണ് ഈ കാര്യത്തിൽ സർക്കാരിന് ലഭിച്ചത്. അതിനൊരു മികച്ച ഉദാഹരണമാണ് ചെമ്പേരി വിമൽജ്യോതി എൻജിനീയറിംഗിൽ കോളേജിലെ വിദ്യാർത്ഥികൾ ആരോഗ്യ വകുപ്പിന്റെ നേതൃത്വത്തിൽ രൂപകൽപ്പന ചെയ്ത, കോവിഡ് -19 രോഗികളുടെ പരിചരണത്തിന് ഉപയോഗിക്കാവുന്ന, റോബോട്ട്.

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

സാങ്കേതിക വിദ്യകളുടെ വികാസത്തിൽ കേരളത്തിലെ യുവാക്കൾ നടത്തുന്ന ഇടപെടലുകൾ പ്രതീക്ഷാ നിർഭരമാണ്. സർക്കാർ അവർക്ക് മികച്ച പിന്തുണ നൽകും. ഇത്തരം ശ്രമങ്ങളെ സമൂഹത്തിനൊന്നടങ്കം ഗുണകരമാകുന്ന രീതിയിൽ ഉപയോഗപ്പെടുത്താനാണ് സർക്കാർ പരിശ്രമിക്കുന്നത്.



K K Shailaja Teacher

April 20 at 5:02 PM · 🌐

ചെമ്പേരിയിലെ വൃഹാന്നിൽ കോവിഡ് 19 റിപ്പോർട്ട് ചെയ്ത 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. ചെമ്പേരിലാകാമെങ്കിൽ നമുക്കും ആകാമെന്ന് ഉറപ്പ് വിശ്വസിക്കുകയാണ് കേരളവും. കൂടുതൽ പോസിറ്റീവ് കേസുകളുള്ള കണ്ണൂർ ജില്ലയിലെ അഞ്ചരക്കണ്ടി ജില്ലാ കോവിഡ് സെന്ററിലാണ് ആരോഗ്യ പ്രവർത്തകരെ സ...

[See More](#)

[See Translation](#)



sts



K Sudhakaran

4 hrs · 🌐

ലാങ്കം മുഴുവൻ കോവിഡ് ഭീതിയിൽ വിറങ്ങലിച്ച് നിൽക്കുമ്പോൾ കോവിഡ് ബാധിതരെ ശാരീരിക അകലം മാലിച്ഛകൊണ്ട് പരിചരിക്കേണ്ടത് ആരോഗ്യ പ്രവർത്തകരുടെ സുരക്ഷക്ക് അത്യാവശ്യമാണ്.

ഈ സാഹചര്യത്തിൽ ആരോഗ്യരംഗത്തു പ്രവർത്തിക്കുന്നവർക്ക് ഒരു കൈത്താങ്ങായി രോഗികൾക്ക് ഭക്ഷണവും, വെള്ളവും എത്തിച്ചു നൽകുക എന്ന പ്രക്ഷയത്തോടെ 'നെറ്റിംഗേൾ-19' എന്ന പേരിൽ ഒരു റോബോട്ട് നിർമ്മിച്ച് കണ്ണൂർ കോവിഡ് ചികിത്സ സെന്റർ ആയി ഗവണ്മെന്റ് തിരഞ്ഞെടുത്തിരിക്കുന്ന അഞ്ചരക്കണ്ടി മെഡിക്കൽ കോളേജിന് സൗജന്യമ...

[See Translation](#)



OTHER ACTIVITIES FOR RURAL DEVELOPMENT

BROOM MAKING MACHINE

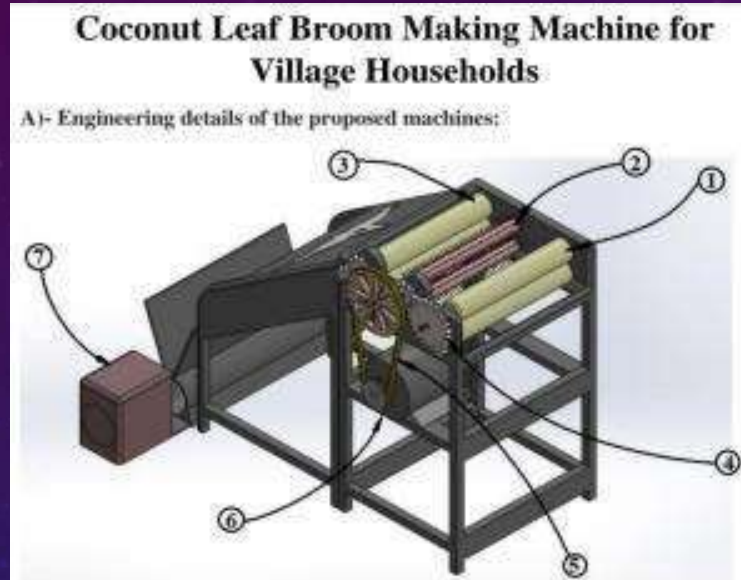


Fig .1 Broom making midrib separator module

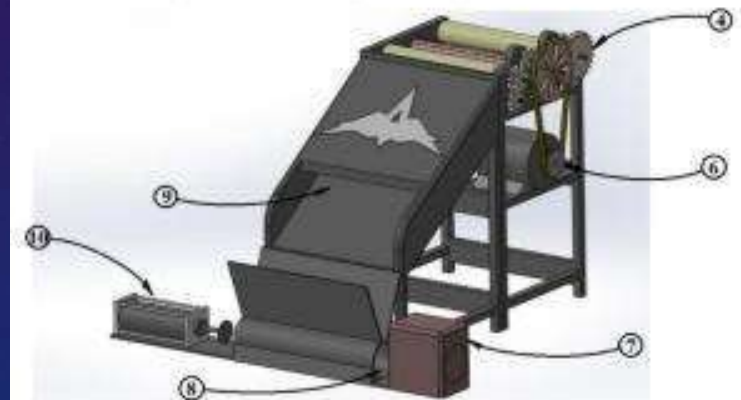


Fig .2 Mid rib tying module



- 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

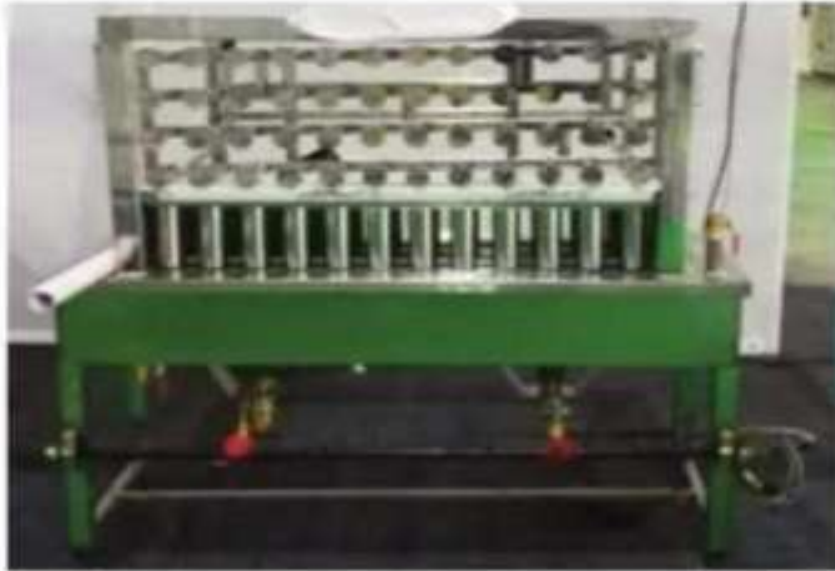
പത്ത് മിനിറ്റുകൊണ്ട് 50 കുറ്റി പുട്ട്; വിമൽജ്യോതിയുടെ പ്രോജക്ടിന് എംഎച്ച്ആർഡിയുടെ അംഗീകാരം

ചെന്നൈ: ചെന്നൈ വിമൽജ്യോതി എൻജിനീയറിംഗ് കോളേജിലെ ഒരു പുറം വിദ്യാർത്ഥികൾ വികസിപ്പിച്ചെടുത്ത പുട്ട് നിർമ്മാണ ഉപകരണത്തിന് എംഎച്ച്ആർഡിയുടെ അംഗീകാരം.

10 മിനിറ്റുകൊണ്ട് 50 കുറ്റി പുട്ട് ഉണ്ടാക്കാൻ കഴിയുന്ന ഉപകരണമാണ് വിദ്യാർത്ഥികൾ നിർമ്മിച്ചത്. ഡൽഹിയിൽ എംഎച്ച്ആർഡി നടത്തിയ മത്സരത്തിൽ കേരളത്തിൽനിന്നുള്ള മികച്ച വിദ്യാർത്ഥി പ്രൊജക്റ്റായി തെരഞ്ഞെടുക്കപ്പെടുകയും നാലു ലക്ഷം രൂപ അനുവദിക്കുകയും ചെയ്തു.

ഇൻസ്ട്രുമെന്റേഷൻ എൻജിനീയറിംഗ് അധ്യാപകനായ ഡോ. സമ്പത്ത് കുമാർ, വിദ്യാർത്ഥികളായ അഖൻ കെ. ഷാജി, അശ്വിൻ സുധൻ, അതുൽപ്രശാന്ത്, ഫെബിൻ നാലാപ്പാട്ട് എന്നിവർ ചേർന്നാണ് പ്രൊജക്ട് തയ്യാറാക്കിയത്.

ചെയർമാൻ മാർ ജോസഫ് പാപ്പാനി, മാനേജർ ഫാ. ജയിംസ് ചെല്ലങ്കോട്ട്, പ്രിൻസിപ്പൽ ഡോ. ബെന്നി ജോസഫ് ഫാ. ജി



ചെന്നൈ വിമൽജ്യോതി എൻജിനീയറിംഗ് കോളേജിലെ വിദ്യാർത്ഥികൾ വികസിപ്പിച്ചെടുത്ത പുട്ട് നിർമ്മാണ ഉപകരണം.

നു വകക്കെടുത്തതോടെ, ഫാ. ബിബിൻ വത്സകത്ത്, റിസർച്ച് ഡീൽ ഡോ. ടിഡി ജോൺ എന്നിവരുടെ മാർഗനിർദ്ദേശങ്ങളും സ

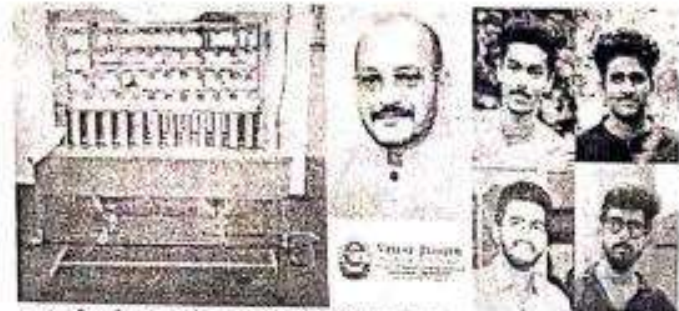
ഹകരണവുമാണ് ഈ ഉപകരണത്തിന്റെ നിർമ്മാണത്തിലേക്ക് നയിച്ചതെന്ന് വിദ്യാർത്ഥികൾ പറഞ്ഞു.

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

ശ്രീകണ്ഠപുരം: പത്ത് മിനിറ്റ് കൊണ്ട് 50 കുറ്റി പുട്ട് ഉണ്ടാക്കാൻ കഴിഞ്ഞാൽ കേരള ശാലയിലെ തൊഴിലാളികളുടെയും വീട്ടമ്മമാരുടെയും അദ്ധ്വാനത്തിന് ആശ്വാസകരമാകുന്ന ഒരു ഉപകരണം യാഥാർത്ഥ്യമായിക്കുറുന്നു.

ചെന്നൈ വിമൽജ്യോതി എൻജിനീയറിംഗ് കോളേജിലെ ഒരു പുറം വിദ്യാർത്ഥികൾ പുതിയതായി വികസിപ്പിച്ചെടുത്ത പുട്ട് നിർമ്മാണ ഉപകരണം വളരെ ശ്രദ്ധേയമായിക്കുറുന്നു. 10 മിനിറ്റ് കൊണ്ട് 50 കുറ്റിപുട്ട് നിർമ്മിക്കാൻ കഴിയുന്ന ഉപകരണത്തിനാണ് ഇവർ രൂപംനൽകിയിരിക്കുന്നത്. ഡൽഹിയിൽ എം.എച്ച്.ആർ.ഡി. നടത്തിയ മത്സരത്തിൽ ഈ ഉപകരണത്തെ കേരളത്തിൽ നിന്നുള്ള ഏറ്റവും നല്ല വിദ്യാർത്ഥി പ്രൊജക്ടായി തിരഞ്ഞെടുക്കുകയും നാലു ലക്ഷം രൂപ അനുവദിക്കുകയും ചെയ്തു.

ഇൻസ്ട്രുമെന്റേഷൻ എഞ്ചിനീയറിംഗ് അധ്യാപകനായ ഡോക്ടർ സമ്പത്ത് കുമാർ, വിദ്യാർത്ഥികളായ അഖൻ കെ. ഷാജി, അശ്വിൻ സുധൻ, അതുൽപ്രശാന്ത്, ഫെബിൻ നാലാപ്പാട്ട് എന്നിവർ ചേർന്നാണ് ഈ



● 10 മിനിറ്റ് കൊണ്ട് 50 കുറ്റി പുട്ടുണ്ടാക്കുന്ന ഉപകരണവും വിദ്യാർത്ഥികളും.

പുട്ട് നിർമ്മാണ ഉപകരണം വികസിപ്പിച്ചെടുത്തിരിക്കുന്നത് പുട്ട് ഉണ്ടാക്കുന്നതിലെ വലിയ ബുദ്ധി മുട്ടിപ്പുറം പറയുന്നത് ഓരോ പ്രാവശ്യവും മുന്നോ നോക്കാവുന്നതാണ്. ഉണ്ടാക്കാനേ കഴിയൂ എന്നുള്ളതാണ്.

ഈ പ്രശ്നത്തിന് പരിഹാരം ആയിട്ടാണ് ഒരേസമയം 50 കുറ്റി പുട്ട് ഉണ്ടാക്കാൻ കഴിയുന്ന ഒരു മെഷീൻ നിർമ്മിക്കുവാൻ ഇവർ പ്രതിജ്ഞിച്ചത്. വിമൽ ജ്യോതി എൻജിനീയറിംഗ് കോളേജ് അടുത്തനാളുകളിലായി ദിനേശ് കോവിൽ പ്രതിരോധ ഉപകരണങ്ങൾ സ്പെറോ ഇലക്ട്രിക്കൽസ്, കോമ്പസൈറ്റ് ആയി

സഹകരിച്ച് നിർമ്മിച്ച വിവിധ ആശുപത്രികൾ അായി നൽകിയിട്ടുണ്ട് ചെയർമാൻ മാർ ജോസഫ് പാപ്പാനി, മാനേജർ ഫാ. ജയിംസ് ചെല്ലങ്കോട്ട്, കോളേജ് പ്രിൻസിപ്പൽ ഡോക്ടർ ബെന്നി ജോസഫ്, ഫാ. ജിനു വകക്കെടുത്തതോടെ, ഫാ. ബിബിൻ വത്സകത്ത്, റിസർച്ച് ഡീൽ ഡോക്ടർ ടി.ഡി ജോൺ എന്നിവരുടെ മാർഗനിർദ്ദേശങ്ങളും സഹകരണവുമാണ് ഈ ഉപകരണത്തിന്റെ കണ്ടുപിടുത്തത്തിലേക്ക് നയിച്ചതെന്ന് വിദ്യാർത്ഥികൾ മായുക്ത പ്രവർത്തകരോട് പറഞ്ഞു.

UBA PROJECT GLOVE MAKING MACHINE



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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



National Coordinating Institute
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**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 Coordinating Institute IIT Delhi .

Prof. Virendra Kumar Vijay
National Coordinator
Unnat Bharat Abhiyan



THANK YOU