

**Student Projects supported under the Student Startup Venture Grant Initiative from VIT**

No.	Title	Student team	Faculty Mentor	Grant provided by VIT
1	Exhaled breathe condenser for respiratory disease diagnosis	<ul style="list-style-type: none"> <li>• Suraj S.S. (14BMD0042), 3rd year B.tech. Biomedical engineering</li> <li>• Yash Tandon (14BMD0048), 3rd year B.tech. Biomedical engineering</li> <li>• Mukund Verma (14BMD0049), 3rd year B.tech. Biomedical engineering</li> </ul>	Dr. N. Sharmila , School of Electronics and Communication Engineering, VIT Vellore	43670.00
2	Smart Hybrid material for bullet proof jacket	<ul style="list-style-type: none"> <li>• Virendra Singh(14BMD0012)</li> <li>• Shradha Singhvi(14BMD0016)</li> <li>• Avi Krishna Srivastava(14BMD0020)</li> <li>Divyanshu Jalther (14BCE0910)</li> </ul>	Dr. Bhaskar Mohan Murari, School of Electronics and Communication Engineering, VIT Vellore	Rs. 1, 15, 000/-
3	Kai by Vicara Tech	<ul style="list-style-type: none"> <li>• Adarsh Warriar/13BEE0065/Fourth Year/EEE</li> <li>Abhishek Satish/13BEC0027/Fourth Year/ECE</li> <li>Namit Juneja/13BEC0490/Fourth Year/ECE</li> <li>Rakshith Ravi/15MIS012/Second Year/M.Tech Software Engineering</li> </ul>	Prof. V. Arunachalam, School of Electronics and Communication Engineering, VIT Vellore	99700.00
4	<b>Design of a cold air Vortex tube for coolantless machining</b>	S. Kovalan (15MCD0023)	Dr. P. Kuppan, Professor, School of Mechanical Engineering, VIT Vellore	Rs. 36,000/-
5	<b>Natural Alcohol free sanitizer and aerosal spray</b>	NEHA AGNIHOTRI- 3RD YEAR – 14BBT0072- BTECH. BIOTECHNOLOGY SOUFYADIPTO SANTRA- 3RD YEAR – 14BBT0053 - BTECH.BIOTECHNOLOGY	Dr. V.Suneetha, Professor, School of BioSciences and Technology, VIT Vellore	55000.00

8	<b>Low grade waste heat recovery using Organic Rankine cycle</b>	Chaudhari Abhijeet Tanaji MTech- Energy and Environmental Engineering (2nd Year)	Prof. T. Srinivas, CO2 Res & GTC, School of Mechanical Engineering, VIT Vellore	60000.00
9	<b>NANBAN- An energy efficient differently-abled friendly wheelchair with automatic transmission and steering control ( 11 months)</b>	Ankit Sharma (15BME0214), 2nd year B.Tech., Mechanical	Dr. R. Ramakrishnan, Assistant professor (SG), SMEC (14769)	99000.00
11	<b>Powered Prosthesis</b>	NIMISH MEHRA, 3RD YEAR, MECHANICAL ENGINEERING 14BME0885 //HIMANSHU AUNDHE,3RD YEAR,MECHANICAL ENGINEERING 14BME0870//NIHARIKA MIRJI,3RD YEAR,BIOMEDICAL ENGINEERING//ROHAN JACOB,3RD YEAR,BIOMEDICAL ENGINEERING'//CYRIL JOE,2ND YEAR,ELECTRONICS AND COMMUNICATIONS ENGINEERING//YASHASVI KARNENA,3RD YEAR, ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. P. Arulmozhivarman, Professor, School of Electrical Engineering , VIT Vellore	100000.00
12	Periscreeener: Visual field in HMD	Sandal Kotawala 14BEE0036	Dr. P. Arulmozhivarman, Professor, School of Electrical Engineering , VIT Vellore	109000.00
13	Pillow Ergonomics & Design	Pratik Bokadia; Avitaj Mitra; Suraj S S //14BMD0028; 14BMD0003; 14BMD0042	Prof. Vidhya Valentina School of Electronics & Communication Engineering, VIT Vellore	100000.00
14	<b>Commercialization of Laccase from Coconut shell powder – Zero waste approach</b>	Shailesh Kumar.B / 17MTR0005/Vikas Hiremth 15MSI0073 / Nandhini N.T. 17MTR0016	Dr. S. Mythili , School of Biosciences and Technology, VIT Vellore	35000.00

15	<b>bIOTthrough</b>	Yash Kumar/ ( 16BIS0068)	Dr. Elizabeth Rufus, Professor , School of Electronics and Communications Engineering, VIT Vellore	27000.00
16	Eye Videre	Sandal Kotawala (14BEE0036) / Dewant Gupta (14BEE0050)	Dr. P. Arulmozhivarman, Professor, School of Electrical Engineering , VIT Vellore	100000.00
17	Mechanical exoskeleton-It is a wearable external skeletal frame that provides additional support to the user and also enables enhanced strength and endurance to lift heavy objects.	Paul Johny 14BMD0026	Dr. J.B. Jeeva, Associate Professor, School of Electronics & Communication Engineering	57400.00
18	MITRAN 1.0 – An Irregular Surface Levelling Walker	Shubham Gupta (Design) Avinash Prahlad Joshi (Business) Abhijath H B (Design)	Dr. R. Ramakrishnan, Associate Professor, SMEC	88000.00
19	EFFICIENT REMOVAL OF HEAVY METAL IONS FROM WASTE WATER BY METGON BEADS	Varun Kaushal Registration No: 15BCM0086  Arinjoy Das Registration Number: 15BCM0052  Nandini Jain Registration Number: 16BCM0046	Dr. Akella Sivaramakrishna, Professor, School of Advanced Sciences, VIT Vellore	100000.00
20	Bhaidekh•USING AUGMENTED REALITY TO HELP STUDENTS UNDERSTAND CONCEPTS THAT REQUIRE VISUALIZATION OF 3D OBJECTS	UTKARSH KUMAR (17BCE0284) ARNAB SAHA(17BCE0315)VANSH ARORA (17BCE0857) SUSHMIT VAISH (17BCE0753) NIHARIKA BHATIA (17BCI0116) HARSHNA RAINA (17BEC0870)	Prof. Sharmila Banu K, School of Computer Science and Engineering, VIT Vellore	80000.00

22	Eazy Mart – An Automated shopping trolley Team: AGNI	Saurav Mohapatra15BEC0002//Amogh Raut15BEC0906//Dhruv Tyagi15BEC0491//Manav Agarwal15BEC0853//Ashish Margudri15BEC0159	Prof. Sumit Kumar Jindal, School of Electronics & Communication Engineering, VIT Vellore	98500.00
23	T-Farmation: Smart Irrigation System/Crop Predicting System/ Weather Forecast API- //revised objectives after realtime check: Solar driven submersible pump for irrigation & analytics of soil parameters	Navjyot Singh 16BEC0546 Rahul Kumar Garg 16BEE0174 Nishant Wadhvani 16BEE0005 Ajinkya Prabhu 16BIS0046 Ridha Sardana 16BIS0084	Prof. Sumit Kumar Jindal, School of Electronics & Communication Engineering, VIT Vellore	95550.00
24	Impact – Dysgraphia Solutions (Disorder of written expression in children)-	Rohil Singhvi & team	Dr. K. Palanisamy , School of Electrical Engineering, VIT Vellore	95000.00
25	Check-mate- designing a cost-effective vein finder for children - Dr. Arulmozhivarman, Dean-SELECT)	Aman Angrish & team 15BEC0126	Dr. P. Arulmozhivarman, Professor, School of Electrical Engineering , VIT Vellore	100000.00
26	Magnus (Using Quadcopter in Agri)	Aman Movalia 16BME0114	Dr. P. Arulmozhivarman, Professor, School of Electrical Engineering , VIT Vellore	100000.00
27	Portable Hand Muscle training module -	Charmi Pabari/Harish Gnanasambanthan /Jitendra suthar. 17MBE0017] 17MBE0011]	Dr. N. Sharmila , School of Electronics and Communication Engineering, VIT Vellore	100000.00

28	Kaii - a modular solution to prosthetic healthcare	Sayan Bandyopadhyay Prithviraj Indi / Elton D'souza (15BMD0025)/(17BEE0212)	Dr.. D.R.S. Raghuraman , School of Mechanical Engineering, VIT Vellore	100000.00
29	Smart insole to measuring foot pressure distribution	Harish Gnanasambanthan [17MBE0011]	Prof. N. Sharmila, Asst. Professor (Senior), SENSE (12738)	95580.00
30	Theia- is a wearable device for blind people which is going to help them feel time through braille medium.	S. Pranav Kumar 15BME0651/ Tuhin Sharma 15BME0627	Dr. Vino S, Associate Professor, School of Biosciences & Technology, VIT Vellore	31500.00
31	Helto -To centralize and digitize healthcare services	Vidhan Soni & kamal bhartiya 15BME2071/ 15BBT0005	Dr. Anand Prem Rajan, Associate Professor, School of Biosciences & Technology, VIT Vellore	60000.00
32	Camcann-- revolutionize retail store technology, with the ultimate goal of enabling shopkeepers to predict, track and control the whole store with one click.	Abhinav Gupta Reg No. 16BME0911 abhinav.gupta2016@vitstudent.ac.in Phone: +91-9761112818 Email ID: abhinav3006gupta@gmail.com	Prof. ABDUL GAFFAR H (11473) Assistant Prof (Sr), SCOPE	77720.00
33	Tinnitus Aid: developing a relation between the normal EEG signal and the EEG signal when the Tinnitus occur / quantifying the Tinnitus signal by subtracting the Tinnitus contained signal from the normal EEG signal	Swapnil Sarkar (16BEE0256) Arjun Sengupta (16BEE0139) Sushant Agrawal (16BEE0331) Manvendra Singh Jadaun (16BEE0198) Pushpreet Begal (16BEE0223) Email: swapnil.sarkar2016@vitstudent.ac.in	Dr. N. Ruban, Asst. Prof. Sr., SELECT (10675) Dr. Alex Noel, Professor, SENSE (13639)	100000.00

34	Taggit Building an alarm based tagging system to reduce shoplifting	Gaurav Ramtri 17BIT0069 Agrim Nautiyal 17BCE2046 agrim.nautiyal2017@vitstudent.ac.in	Dr. Ramesh Babu K Associate Professor SCOPE, EMP-ID : 10619 / 9443293325	39950.00
35	Biocollars : (MedTech Challenge 2019);decreasing tick infestation in the pets	Priyanka Mendadkar [17MSB0036]	Dr. A. Sivakumar, School of Biosciences & Technology, VIT Vellore	100000.00
36	Neurop.: (SELECT Make-a-thon);Real time detection of improper functioning of pupil will be tracked using a Headmount device for pupillometry and neuro-ophthalmic defects.	K Shankar Hariharan 17BEI0045 kshankar.hariharan2017@vitstudent.ac.in (9600665460) Paul Mathai 15BCE0981 paul.mathai2015@vit.ac.in (9790646004) Arunkumar. LL 17BEE0303 arunkumar.l2017@vitstudent.ac.in (9080727458) Kartikey Chaturvedi 16BEM0055 kartikey.chaturvedi2016@vitstudent.ac.in (9791987091)	Prof. Shanthi. V Associate Professor, School of Computer Science & Engineering, VIT Vellore	75000.00
37	Wireless Sensor network to detect forest fires (SELECT Make-a-thon)	Mridul Chauhan/17BEE0115 Priya Chauhan / 17BEC0119 Manav/17BME0702 Jayadeep Kumar/17BCE0925 (left the team as on 26-03-2019) Sakshi Kumari/17BEE0111 mridul.chauhan2017@vitstudent.ac.in	Dr. K. Palanisamy , School of Electrical Engineering, VIT Vellore	100000.00
38	Aliste Technologies ;uniquely designed PCB which when connected behind a switchboard, can control the state of all the devices connected to it, maintaining manual control	Aakarsh Nayyar 16BEE0200 / Jay Paliwal 17BIT0238/ Shivani Vispute16BEE0281/ Udit Pandoh 16BCE0493/ Konark Gautam16BCE0989 udit.pandoh2016@vitstudent.ac.in	Dr. Murali Manohar 10080 Sr.Professor & Director of Library	100000.00
39	Fabrication of Fire Resistant Paper, Textiles and Wooden articles by Spraying Technology	Sai Vighnesh Ivaturi 15BME0003 Harsha Vardhan Pendyala 18BME2055	Dr. Akella Sivaramakrishna /Dr. Rajagopal Desikan	100000.00

40	Prosthetic Arm ;a smart and connected Prosthetic arm which uses reinforcement learning	Manasa. R 17BEC0409 / Radhika Agarwal 17BBT0128/ Mihir kumar Singh 17BCE0851// Hriteek Agarwal 17BME0976 / Aamir Kolhar 17BEI0013	Prof. Budhaditya Bhattacharyya, 14063 /Associate Professor,SENSE	99715.00
41	iHearIT -The audiometry process is seamlessly incorporated in a smartphone app, which takes only 5 minutes to perform an audiometr test.	Vivank Sharma 17BIT0325 Keyur Patel 17BEE0164 Sumit Jahagirdar 17BIS0128	Prof. Kittu Harish Mallikarjun (Dean School of Electronics and Communication Engineering)	100000.00
42	ANEMOI TECHNOLOGIES- Aerial Package/Parcel Delivery Autonomous Aerial Octa rotator Drone Delivery (High Speed, Reliable, Secure). Upto 4 Deliver/chute packages in one row	ELTON DSOUZA 16BME0970 SAMYAK JAIN 16BCL0181	Prof. John Sushil Packiaraj, School of Computer Science and Engineering	100000.00
43	COCOBOT THE ULTIMATE COCONUT HARVESTER - reduce human effort and make the system automated to overcome the monopoly of the labour in coconut harvesting which accounts to more than 50% of the total harvest cost	Shravan R – 16BME0109 – III year - Sagar Arora – 18BME0108 – I year - Divyanshu Jain – 18BME0313 – I year Divyansh Srivastava – 18BME0968 – I year Noel Mathew Sajeev – 17BPI0057 – II year Siddharth A – 16BME0382 – III year Nikhil Chakravarthy – 16MIS0256 – III year	Dr. Arun Tom Mathew, School of Mechanical Engineering, VIT	40000.00

			Prof Vijayarajan V School of Computer Science and Engineering, VIT	
44	AugWorld- Drone detection and Drone Disabling	Amartya Gaur17BCE0414//Nitisha Singhal 17BCE0050 //K Sai Durgaprasad 17BME0576		92721.00
45	ORTHO.AR VR Based Orthopaedic Surgical Guidance System	Shankar Hariharan K /17BEI0045/Mitul David 18MIS0187 Gokul S 16BEC0801K PRANIESH 17BME0867 Bhavyang Achhodawala 17BME0156	Dr. P. Mahalakshmi, Associate Professor, School of Electrical Engineering, VIT	100000.00
46	Vision H+ is a series of Telemetry bots, specially designed for the hospitals and medical centres: which is a start towards complete automation of the hospitals	Yuvraj Singh18BCE0614 Divyansh Khandelwal 18BIS0098 Urvisha Shrivastava 18BEE0029 Devang Patel 18BCE0811 Aditya Pratap Singh 17BCE0810	Prof. Swathi JN,, Associate Professor, School of Computer Science & Engineering, VIT Vellore	<b>30000</b>
47	ViMera - A Smart Surveillance System by team SPARK_Plugs	Aan Patel 17BCE0897 Shreyam Rungta 17BEC0436 Devam Sheth 17BCE2162 Shristi Uniyal 17BEC0426 Shikhar Mathur 17BEC0647	Professor Manikandan N. Assistant Professor (Selection Grade) School of Information Technology and Engineering	<b>100000</b>



48	Reduction Of On Farm Loss By Pre-management using ML	KSHITIJ DUBEY 18BEI0128 DEBADRI SANYAL 18BEI0139 HARSH KHOT 18BEI0129 KESHAV KRISHNAMURTHY 18BEI0150	Dr. P. Arulmozhivarman, Professor, School of Electrical Engineering , VIT Vellore	<b>100000</b>
49	SAFETY ASSISTANCE SYSTEM USING AR FOR AUTOMOBILES (We-AR)	Raghav Khemka 16BME0389 Arshia Joshi 16BIT0315 Kunal Gupta 16BCE0900 Kaushal Agarwal 16BCE0228	PROF. Balakrishnan. P. School of Computer Science & Engineering, VIT Vellore	87017.00