

### **DAAD Falling Walls Lab Competition:**

Since its inception in 2009, the “**Falling Walls Lab**” competition has extended the format to a global scale and is considered to be one of the best events on new scientific discoveries where scientists, economists, Nobel laureates and professors and inventors orate about their discoveries and inventions having the potential to change the world. It’s a challenging event where participants are given a platform to pitch about their research project, or social initiative, or business model, to a distinguished jury, in a time-span of Three minutes.

The **DAAD** - German Academic Exchange Service and **DWIH** - German House for Research and Innovation New Delhi played a major role in the event. This initiative was also supported by the Federal Foreign Office, Germany.

### **The event at Jadavpur University:**

Jadavpur University was the institutional partner of the **India Chapter of the Falling Walls Lab 2018**. On the 7th of April, 2018, **Jadavpur University, under TEQIP-III**, hosted the event. Here, participants from all around the nation joined us for the competition. Jadavpuruniversity has been chosen one of the three hosts for the internationally acclaimed "Falling Walls Lab" next to one in Abu Dhabi and another in Vienna.

### **Details of the Competition:**

Over 250 applications were registered by the month of February, 2018, Of them, sixteen finalists from across the country were selected through a rigorous review process, whose names are mentioned in the Annexure-I. They presented their top notch research and entrepreneurial ideas on various themes, including water problems, climate change, energy conservation, disabilities and impairments, cancer and other diseases, effective processing and production etc in three minutes in front of the judges.

Call for the proposal :

# GREAT MINDS 3 1 MINUTES DAY



## BE PART OF THE FALLING WALLS LAB INDIA ON 7 APRIL 2018

### Your Presentation

- Present your research project, business plan or social initiative – in just 3 minutes!
- Get involved in exciting discussions and network with fellow innovators and experts from different disciplines.

### Who can apply

- We are looking for great ideas from all fields!
- Apply now if you are a Bachelor or Master student, PhD candidate, post-doc, young professional or entrepreneur.

### Application deadline

- Apply online at [falling-walls.com/lab/apply](http://falling-walls.com/lab/apply)
- Send a 3-minute presentation video via [wetransfer.com](mailto:wetransfer.com) to [ramneet.mehta@dwihi.in](mailto:ramneet.mehta@dwihi.in)
- Application deadline: 7 February 2018

### The Falling Walls Lab India

- The event will take place at the Jadavpur University, 188 Raja S.C. Mallick Road, Kolkata 700032, India.
- Start: Participants will be informed.

## SHARE YOUR INNOVATIVE IDEA AND WIN A TRIP TO BERLIN

### A distinguished jury selects the winner who

- travels to Germany and qualifies directly for the global Lab Finale in Berlin on 8 November as one of 100 international winners (travel and accommodation are covered).
- wins a ticket for the Falling Walls Conference where leaders from science, industry and policy-making meet.

## QUESTIONS?

Please contact us at [ramneet.mehta@dwihi.in](mailto:ramneet.mehta@dwihi.in)

Tweet about the Lab: #FallingWalls18

The Falling Walls Lab India is hosted by the German Academic Exchange Service (DAAD), the German House for Research and Innovation (DWH) New Delhi and the Jadavpur University with the support of the Federal Foreign Office of Germany.

FALLING  
WALLS  
LAB



German House for Research  
and Innovation - New Delhi  
Germany  
Land of Ideas.

DAAD

Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



**Initial submissions**

Sr. No.	Design	surname	First name	associated	email	EnrolledAs	Presentatio ntitle	problem
1	Mr.	Vikash	Anand	NETAJI SUBHASH ENGINEERING COLLEGE	avikash122@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Gender discrimination	The problem of rape and harassment of women while they are outside their house is increasing day by day. Also the unemployment of women is increasing at an alarming rate which results in early marriage
2	Ms.	Mukhopadhyay	ANTARA	IIT Mandi	nupur94.mukh@gmail.com	I am currently enrolled as a student.	Breaking the Wall of inefficient gene silencing	Gene silencing using CRISPR-CAS9 is an efficient approach but inefficient tracking of the outcome of the silencing technique can be responsible for different side-effects.
3	Mr.	Mir	Suhail	Aligarh Muslim University	mir962289@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Good and Bad Perception	As, though human beings were objects on a factory line. Considering the fact that stereotype is unfair and damaging. Perception towards non-sighted people need to be change. Explore their limitations
4	Mr.	Datta	Subha deep	JalpaiguriGovt Engineering College	sahebdat1996@gmail.com	I am currently enrolled as a student.	Breaking the Wall of green-collar Tea	Tea is 2nd Largest consumed liquor after water yet the methodologies used dates back to the 19th century. Manual processing decreases the quality of Green and Orthodox Tea due to negligence of workers
5	Mr.	Gupta	Naman	Manipal University Jaipur	namanryan@gmail.com	I am currently enrolled as a student.	Breaking the Wall of developing country to developed country.	Most people don't trust maids they leave in their house to take care of the household works and also their kids. Some cases are also happening regarding maids stealing, kidnapping, etc.
6	Mr.	Mondal	Soumya	Jadavpur University	redfortheteam@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Energy Conservation	People waste energy subconsciously while consciously spending a large chunk of time on their smart phones. There is no way to connect those with abundance of energy to their wastage amounting millions.
7	Mr.	Panjan	Soumendranath	IISER PUNE	soumendrapanjan@students.iiserpune.ac.in	I am currently enrolled as a student.	Breaking the Wall of 2 bit digital memory "0" and "1"	
8	Mr.	Sahu	Praveen	Enfrien Innovation LLP	tan90innovation@gmail.com	I have already completed my degree.	Breaking the Wall of Cold Chain Penetration in India	About 40% of the agri-products gets wasted (loss of about INR 944 billion every year), a major reason for which is the ineffective implementation of cold chain & lack of efficient refrigerated trucks
9	Mr.	Antony	Shibu	VIT University	shibuantony1997@rediffmail.com	I am currently enrolled as a student.	Breaking the Wall of Deaths due to malaria	2015 itself there were about 4 million deaths and about 12 million people affected from malaria. There still hasn't been any proven vaccine that can effectively tackle the problem.

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10	M.r.	Patel	Parth	Aeronautical Development Agency, Ministry of Defence, Govt. of India	parth24919@gmail.com	I have already completed my degree.	Breaking the Wall of Efficient Design of Aircraft Brake Disc	Aircraft brake disc is made of carbon-carbon composite. High temperature arises due to friction during braking. Thermal conductivity of C-C brake reduces at high temperature so it lowers heat transfer.
11	M.r.	VAIBHAV NATH	LAKSHMINARSI MHAN	WIPRO TECHNOLOGIES	vaibhavnathla@gmail.com	I have already completed my degree.	Breaking the Wall of MANUAL SCAVENGING	Ubiquity of manual scavenging due to absence of economical and intelligent cleaning process which risks the lives of many poor scavengers as well as the surrounding environment.
12	M.r.	Dave	Parth	Frolic Energy Solutions	dave.parth52@gmail.com	I have already completed my degree.	Breaking the Wall of Waste Management	Waste Management is one of the domains that has not benefited from advancements in technology. We aim to solve to major challenges faced by recycling industries i.e. collection and segregation.
13	M.r.	Patnaik	Pragyan	IIT MADRAS	pragyan.online@gmail.com	I have already completed my degree.	Breaking the Wall of destructive evaluation	No blueprints available for buried utilities like water pipelines, electrical cables etc. Hence destructive means are used to identify and locate such utilities, which damages the roads and utilities
14	M.r.	Kumar	Ashwani	Indian Institute of Technology (IIT) Mandi India	ashwanidalal25@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Complex Organic Transformation	Most of the organic reactions are performed in toxic and nongreen organic solvents. In addition, adverse reaction conditions, such as high pressure and temperature are required giving poor yield.
15	M.r.	Mandal	Debashish	IISER-BHOPAL	mandald402831@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Thermo Electricity	outline about how to provide electricity from the heat released from the chimney of factory using Scibek effect. Beside electricity we can get Carbon black, Carbon dust as a bi product.
16	M.r.	Mahesh	Balan U	Indian Institute of Technology Madras	u.maheshbalan@gmail.com	I am currently enrolled as a student.	Breaking the Wall of education as a barrier to do business!	With E-commerce starting to play a major role in the business-to-business trades, rural users and amateur users face technology and language as a barrier to use E-commerce. We address this problem.
17	M.r.	Kumawat	Vijay Shankar	Manipal University Jaipur	vijayshankar.kumawat@jaipur.manipal.edu	I am currently enrolled as a student.	Breaking the Wall of Novel Biocomposite Bone Scaffolds	Bioceramics have long been used as bone substitute material because of their bioactivity, biocompatibility. However, traditional bioceramics such as HA, TCP, suffer from limitations.
18	M.r.	Srivastava	Ankit	Jalpaiguri Government Engineering College	annypop97@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Excessive unwanted energy consumption	There is a huge wastage of electricity. The heavy loaded appliances are consuming huge power and causing a low voltage, power cut in different areas and also unwanted expenses for the consumers.
19	M.s.	Bisht	Vartika	Indian Institute of Technology, Delhi	vartikabisht6197@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Food Shortage	The primary reason why food shortage is still a very big problem which has nearly no solution is that food, unlike water, can't be re-used. Food can only be converted into compost and then further used.

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20	M. r.	SUR YAN ARA YAN	PAND A	CHITKARA UNIVERSITY, RAJPURA PUNJAB INDIA	panda.india@gmail.com	I have already completed my degree.	Breaking the Wall of e-Critical Care Unit	Most of the patients died in ambulance during transition due to non availability of doctor and and unable to reach hospital due to heavy traffic.
21	M. r.	Rajan	Kanagarajan	Bannari Amman Institute of Technology	kanagarajan121996@gmail.com	I am currently enrolled as a student.	Breaking the Wall of control of active suspension system	A hybrid intelligent control technique based on combination of neural network and fuzzy logic will be proposed for hydraulic actuated active suspension system.
22	M. s.	Singh	Varsha	Chitkara University	varsha.singh@chitkara.edu.in	I have already completed my degree.	Breaking the Wall of Thyroid Disorders	ThyroMeter is a handheld digital device which screens hypothyroid and hyperthyroid. This strip-based screening device is cost-effective, gives immediate results and requires only 10-20 uL of blood.
23	M. s.	Jain	Siddhant	MIT Academy Of Engineering	siddhantjain304@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Internetear	When their is no mobile network their is no internet. Especially in Indian village area. What if someone stuck in the jungle wanted to search for map? or when a villager wanted to search way to town?
24	M. r.	Bangalore LakshmiPrasad	Radhakrishna	BMS college of engineering	radhakrishnab11996@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Unsustainable living	Basic services like air, water, food, electricity and garbage management are increasingly being scarce in Cities which depend on other villages and towns for meeting these demands.
25	M. r.	Ajith	Abhinav	GOVERNMENT ENGINEERING COLLEGE BARTON HILL	abhinavajith1729@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Communication	About 7.5 Million people in US have speaking disorders . The affected patients cant communicate with others . The present technology uses sign language and other gadgets to aid them in communication.
26	M. s.	Agrawal	Mahak	International Society of City and Regional Planners (ISOCARP)	mahakagrawal2016@gmail.com	I have already completed my degree.	Breaking the Wall of Climate Risk to megacities	Climate risk study for southasian countries like India-an emerging big-polluter,remains under-analysed.No policy/measures good enoughwithout comprehensive,critical assessment of reasons and impacts
27	M. s.	JOHN	JUNY MARIA	AMAL JYOTHI COLLEGE OF ENGINEERING	junymariajohn@ec.ajce.in	I am currently enrolled as a student.	Breaking the Wall of DISABILITY	Helping Blinds be efficient and not having to depend on others for their daily activities.
28	M. s.	Shalini	Sheetal	National Institute of Technology Karnataka, Surathkal	sheetalsh456@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Crime	Crime is increasing at an alarming rate these days. Most of these crimes are not being avoided because there is no proper record or exhaustive linking of these crimes. They are not being predicted.
29	M. r.	Kathuria	Sarthak	VIT UNIVERSITY,CHENNAI	sarthakkathuria2001@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Lack of Education Facilities	Lack of proper mentor, which the student is comfortable with and proper books to study from are the major problems faced by the students all over the world.

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30	M r.	Sunil Job	Amal	Toc H Institute of Science and Technology	amalsuniljob@yahoo.com	I am currently enrolled as a student.	Breaking the Wall of women security	There are no proper system that provides safe and affordable accommodation for women who is new to a city for a short period of time.We are trying to provide safe and affordable stay and travel
31	M r.	GURME	PRATHAMESH	BharatiVidhyapeeth's COE , PUNE , Maharashtra	prathameshgurme1008@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Effect of Chewing Tobacco on Soil Fertility	The Human Life and Nature has been struggling with Quality issues of environment,It suggests using chewing tobacco affected land can cause and affect on soil fertility as it is complex quality of soil
32	M r.	DALAI	RADHAMADHAB	BIT MESRA	dalai115@gmail.com	I am currently enrolled as a student.	Breaking the Wall of inadequacy	While packaging foods or beverages the various nutritious contents are to be mixed in right proportion according to volume or weight.A cost effective vision based weigher is needed using camera.
33	M s.	Sharma	Ashima	Dabur India Ltd.	ashu.dec04@gmail.com	I have already completed my degree.	Breaking the Wall of conventional medicine	Conventional medicine is so prevalent today that we are ignoring the treasures of age old herbal traditional medicines especially Ayurveda which are free from side effects and affordable to all
34	M r.	Lakshmanan	Velmurugan	JeppiaarMamallan Engineering College	velmurugan.v m261@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Nuclear disasters	The Use of the nuclear weapons is the deadliest thing in this world.By using the nuclear weapons, the civilians are killed in large numbers due to its radiation effects and genetic disorder occur.
35	M s.	POSITI	KRISHNA KUMARI	SEVEN HILLS	krishna9842@gmail.com	I have already completed my degree.	Breaking the Wall of Bacteria	Bacteria have become a major problem since it causes health issues to many people.My idea is to eradicate it
36	M r.	Dipankar	Kirtiman	Sikkim manipal institute of technology	kdpiyush9@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Future	Sewage treatment tends to be a very big problem as the treatment is expensive and lack new technology to generate bio gas which is the byproduct of decomposition of matter.
37	M r.	sharma	yash	Independent Researcher ,Visiting RA JUIT	yashsharmaysa@gmail.com	I have already completed my degree.	Breaking the Wall of Oblivion Btw Energy,Water,Waste,Recycle.	My main target is energy machines and my main focus was to develop the machine that could regulate the waste,water,slurry,sewage,filtration all together.One tool to many problem,A product/3D/Maths.
38	M r.	JADHAO	AKSHAY	PROF. RAM MEGHE INSTITUTE OF TECHNOLOGY AND RESEARCH AND TECHNOLOGY ,AMRAVATI	asj13213@gmail.com	I am currently enrolled as a student.	Breaking the Wall of "SOLAR WINDS EFFECTS"	New research has shown that is how rapidly Earth's magnetic field which acts like a shield to protect us from harsh solar winds radiation is changing, getting weaker over some parts of the world.
39	M r.	Nimavat	Dhaval	Atmiya Institute, Rajkot	ce.hod@aits.edu.in	I have already completed my degree.	Breaking the Wall of Smart Energy Meter	Govt. Electricity Management

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40	M. r.	Mehta	Sidharth	XLRI Jamshedpur	b17115@astra.xlri.ac.in	I have already completed my degree.	Breaking the Wall of Infrastructure	Cities of today are facing numerous issues, one of them being pollution. Pollution causes as many deaths as caused by road accidents today.
41	M. s.	PATIL	MADHURI	SGBIT ENGG COLLEGE	patilm1690@gmail.com	I have already completed my degree.	Breaking the Wall of ENERGY CONSERVATION	Commercial buildings have emerged as one of the fastest growing sectors in India combined with the expectations to create more comfortable indoor environmental conditions increasing energy demand.
42	M. r.	Faruq	Md. Omar	RoboTech Nursery	omarfaruq.cse.bubt@gmail.com	I have already completed my degree.	Breaking the Wall of Autonomous Learning Robot	In the modern era, Artificial Intelligence is robust field to solve real world problem easily. Creating autonomous robots are mainly passion. But, it is very difficult to make humanoid AI.
43	M. r.	A M	VINAY AKA	IGNOU	dravidavinu@gmail.com	I have already completed my degree.	Breaking the Wall of "PINK"	LACK OF AWARENESS OF CANCER PREVENTION, MAJORLY HEAD AND NECK CANCER AMONG OUR SOCIETY-> ABOVE I SAID PINK- IT MEANS BURGUNDY PINK RIBBON ,WHICH REPRESENTS HEAD & NECK CANCER
44	M. r.	Advani	Kamal	Atmiya Institute of Technology and science.	kamaladvani123@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Engineering	As we know different manufacturing processes are used for different workpiece simultaneously. So problem here is the power consumption, time consumption, etc for single workpiece by machine or worker.
45	M. r.	Ahmed	Dilshad	NIT Durgapur	dilshadunofficial@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Energy Crises	High need to produce electricity at a faster rate using a feasible eco-friendly method as demand for electricity is increasing with increase in population but non-renewable resources are running out.
46	M. s.	Banerjee	Irin	Jadavpur University	irinbanerjee@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Stigma and Poverty of the Third Gender	Lack of economic development of the third gender •Lack of any social acceptance which leads to social isolation. •A vicious cycle of self hatred and disappointment that prevents them from trying
47	M. s.	Banerjee	Debi	JIS SCHOOL OF POLYTECHNIC	amitavapodder24@gmail.com	I have already completed my degree.	Breaking the Wall of authenticationless voting	In the election time we vote our preferable candidate but how does we sure just after voting that we voted that particular preferable candidate ?
48	M. r.	BARDHAN	ALANKAR	Jadavpur University	alankarbardhan@gmail.com	I am currently enrolled as a student.	Breaking the Wall of energy crisis	Reducing fossil fuels, competition with agriculture in case of 1st generation biofuel, CO2 levels rising in atmosphere, disposal of waste plastic leading to environmental concerns, rural unemployment
49	M. r.	BHAUDARIA	UPENDRA	Sri Aurobindo College of Dentistry	upendrazzz@gmail.com	I have already completed my degree.	Breaking the Wall of Health Education in Children	Stage at which children enter school are unable to take others perspective, concentrate on different events and reverse the sequence of events. Health education programs lack behaviour understanding.

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50	M.r.	Bhattacharya	Saurav	Jadavpur University	Saurav2651999@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Water wastage	Only 2.5% of total water is of use.This small amount is wasted continuously.So,in this issue ,I have tried to hit this very problem of water wastage,so that not a single drop is wasted.
51	M.r.	Bhattacharjee	Abhik	IIM Calcutta	abhikb2018@email.iimcal.ac.in	I am currently enrolled as a student.	Breaking the Wall of Darkness of Energy Inequality	Making a sustainable social platform to ensure the electricity has a global reach to 7 billion people reducing the disparity in energy access, the single most important factor to human development.
52	M.r.	CHAKRABORTY	ARJUN KUMAR	Jadavpur University	arjun.chakraborty950@gmail.com	I am currently enrolled as a student.	Breaking the Wall of conventional welding.	Conventional plastic welding have some demerits like compatibility,required adhesive,required joint design,vibrational effect etc.Laser transmission welding is used to overcome all of these problems.
53	M.r.	Chauhan	Himanshu	IIT(BHU), Varanasi	himanshu.chauhan.mec16@iitbhu.ac.in	I am currently enrolled as a student.	Breaking the Wall of Pesticides and Chemical Fertilizers	Fertility of soil is decreasing as farmers do not have enough resources or availability of Manures and compost. This will in turn do not fulfill the over-increasing demand of food products.
54	M.r.	Chowdhury	Rituparno	Indian Institute of Science Education and Research Kolkata	rc15ms028@iiserkol.ac.in	I am currently enrolled as a student.	Breaking the Wall of ... Drugs	Drug development rates are the lowest in the last 10 years. This is due to a lack of new chemical scaffolds. What does one do now when there are more diseases than drugs to address them?
55	M.r.	Das	Suprabhat	Amity University Kolkata	info@suprabhatdas.com	I am currently enrolled as a student.	Breaking the Wall of Mental Barrier	Youth has immense potential but what they lack is the direction. This is all due to various mental barriers. I want to address those, do away with it so that they can reach the level of excellence.
56	M.r.	Das	Ranajit	Manipal Academy for Higher Education	das.ranajit@gmail.com	I have already completed my degree.	Breaking the Wall of global warming	Escalating use of air-conditioners is a major driving force of global warming due to high CO2 emission. CO2 emission due to heating and cooling will increase 175% by 2100 if remained unchecked.
57	M.r.	Enthimer	sajidumer	Government College of Technology, Coimbatore	sajidumer1997@yahoo.com	I am currently enrolled as a student.	Breaking the Wall of Hearing Aid	Though the size of the modern hearing aid is considerably small, most people don't have much chance of having personal phone conversation.However, device like streamers are available, but too costly.
58	M.r.	Ghosh	Krishnachur	Jadavpur University	kg041297@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Artificial Intelligence	Development of general purpose AI has become limited to a select few superpowers resulting in a bottleneck when it comes to applying to for the greater good of people like curing cancer like diseases.
59	M.r.	Gondaliya	Dhruv	Atmiya Institute of Technology and Science	dhruv.m.gondaliya@gmail.com	I am currently enrolled as a student.	Breaking the Wall of traffic and scarcity of space	The number of vehicles per household is increasing due to this traffic is a major problem.Thus parking space is not available and people have to park their vehicles on the roadside.



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60	M r.	JAD AV	AVINASH	ATMIYA INSTITUTE OF TECHNOLOGY AND SCIENCE, RAJKOT	avinash.jadav01@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Multipurpose Quadcopter	The problem was to protect Indian border from enemies, spy terrorist activity at border, rescue mission during flirdsituation.And also problems associated with find out proper resourses.
61	M r.	Jalan	Nilesh	G.H.Raisoni College of Engineering, Nagpur	nileshd.jalan@gmail.com	I am currently enrolled as a student.	Breaking the Wall of high cost& disruptive ground excavation	India faces a common problem of the high cost and disruption of ground and the interruption of traffic due to the over ground excavation to lay the various pipelines and underground cables.
62	M r.	Kumar	Ajay	Teach For Green	ajay.kumar@teachforgreen.org	I have already completed my degree.	Breaking the Wall of skill deficiency in rural India	Skill deficiency is a serious problem in India. There is potential youth in rural areas but they are underprivileged and do not have the necessary training or resources to work in skill required jobs.
63	M s.	Kundu	Tithi	Jadavpur University	tithik8@gmail.com	I am currently enrolled as a student.	Breaking the Wall of polymer scaffold in bone surgery	Surgical corrections for severe bone defects include risks like internal bleeding, infection, injuries to nerve,vessels and tendons.The non-biodegradable metal plates used have to be removed.
64	M r.	Mahajan	Prabodh	G.H. Raisoni College of Engineering, Nagpur	mahajan_prabodh.ghrcecs@raisoni.net	I am currently enrolled as a student.	Breaking the Wall of Soil testing, fertilizer recommendation	Manual soil testing is time taking process.Current devices consumes high electricity thus increasing running cost.Soil testing labs mostly recommend chemical fertilizers(causing soil degradation).
65	M r.	Majumdar	Adhish	Economics Club, Debating Society (IIT Delhi)	majumdar.adhish@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Inadequate Career Information	Ignorance about relevance of a particular field leads to skillset mismatch. 80% of engineers are considered unemployable, yet an increasing number of students apply for engineering colleges every year
66	M r.	Makwana	Dhruvil	Atmiya collage (AITS)	dam.9913@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Increase average of scooter	Now a days major problems at automobile side is fules, and also in scooter not get high average so we want to increase this average in scooter by sss clutch concept.
67	M r.	MANDAL	SHIBARJUN	Jadavpur University	shibarjunmandal@gmail.com	I am currently enrolled as a student.	Breaking the Wall of HARVEST QUALITY CHECK	Quality check of harvests like fruits and vegetables are not transparent at consumers end, which leads to buying poor quality, or confusion choosing the best one.
68	M r.	mandal	sushil	kalyani university	stechcorp@gmail.com	I am currently enrolled as a student.	Breaking the Wall of marriage	the problem is that our country has low aged marriage problem so we have this problem.
69	M r.	Pradeep	Shyam	Infusory Future Tech Labs Private Limited	shyam@infusorydesigns.com	I am currently enrolled as a student.	Breaking the Wall of Stray dog attacks	Stray dog menaces, all over the India continues to increase each day with an escalation in the number of tragic news about people mauled to death.
70	M r.	R	SIVASHANKAR	Rajalakshmi Engineering College	thesivashankar@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Water Contamination	Army people are prone to various diseases due to drinking of impure water. Although, various portable water purifier products are available in the market has its own disadvantages and high cost.

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71	M.r.	Raj	Aashish	ATL Bilaspur	aashishraj0708@gmail.com	I have already completed my degree.	Breaking the Wall of Potable water deprivation	Clean water is a necessity today. Many villages in India are still deprived of potable water though. Human ashes which are dispersed into rivers as a ritual, after cremation are major contaminants.
72	M.r.	Ranjan	Sudhanshu	Innovative Machineries Agro India Pvt. Ltd.	innovativemachineris2017@gmail.com	I have already completed my degree.	Breaking the Wall of Pneumatic Based Rice Threshing Machine.	"Pneumatic Based rice Threshing Machine". This is a group effort. Our Personal contribution Idea Generation and Design the product. I'm working on this project last 2 years. Now we are looking funding.
73	M.r.	SAHA	ANIRBAN	BRAINWARE GROUP OF INSTITUTIONS	sahaanirban78@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Pollution	The rate of emission of CO2 is an indication of global warming, as a result it is feasible to develop solar power assisted vehicles. I did the assembling work of all the accessories in our vehicle.
74	M.s.	sarkar	paulami	Indian Institute Of Technology, Guwahati	sarkarpaulami7@gmail.com	I am currently enrolled as a student.	Breaking the Wall of hunger	Every child sleeping with a hungry stomach, is defeat to the nation. Humanity as a whole shares the responsibility to combat hunger. The aim to curb hunger, today and tomorrow and everyday after.
75	M.s.	Shah	Binita	National Institute of Industrial Engineering	binitaumwelt@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Sustainability Mindsets	Estimate the real level and importance of the understanding of sustainability, climate change, sustainable development goals, eco-friendly etc amongst the general population.
76	M.r.	SHAJI	ANOOP	Century International Institute of Dental Science and Research Center Poinachi, Kasaragod	anoopshajibds@gmail.com	I am currently enrolled as a student.	Breaking the Wall of CANCER	There's a need to spot out the spreading tumor cells and give a probable diagnosis of cancerous transformation in a Skill & resource-crenged setting especially in the rural areas
77	M.s.	Shakthi	Uma devi	Rajalakshmi Engineering College	shakthiumadevi.s.2014.aero@rajalakshmi.edu.in	I am currently enrolled as a student.	Breaking the Wall of Noise pollution	The Problem workers in industries are facing is the noise pollution which causes serious physical and psychological issues. The ear-protection devices used now are of low noise-reduction rating only.
78	M.r.	SHARMA	HARSHIT	IIT GUWAHATI	harshitgsharma12@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ... Education	1. Low-Skill Development of School Children 2. Education in the tier - 2,3 cities is very generic 3. Only 26% millennials feel their education has contributed to inter-personal management skills
79	M.r.	Sugali	Vijay	IIIT RK VALLEY RGUKT - AP	sugalivijaychhari@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Small Scale Jewellery Market	There is a problem of marketing and advertising the products of small scale jewellery shops through online. People are unaware of products that are there in small scale jewellery shops
80	M.r.	Venugopal	Aashish	Vellore Institute of Technology	gopalaashish@gmail.com	I am currently enrolled as a student.	Breaking the Wall of student unemployment	Even with all our development, sadly, grades still matter more than knowledge, leading to rising student unemployment. In an age of advancements, this is an issue as serious as global warming.

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81	M r.	Shar ma	Sachin	Navkar Institute	sharma.f@gmail.com	I have already completed my degree.	Breaking the Wall of Animal-Vehicle Collision	One serious problem that all the developed nations are facing today is death and injuries due to road accidents. Collision of an animal with vehicles on road is one major cause apart from other causes
82	M r.	Sing h	Abhim anyu	Shilpkkaar designs	ar.aschauhan@gmail.com	I have already completed my degree.	Breaking the Wall of Housing affordability crisis	"Hexpressions" a product service which empowers people by providing training & skill development to build their own homes and live a dignified life using a new age material honeycomb composite panels.
83	M s.	Sark ar	Bidush i	Indian Institute of Science, Bengaluru	bidushis@iiac.ac.in	I am currently enrolled as a student.	Breaking the Wall of Hydrogen Energy using Water Electrolysis	The highly reactive Hydrogen exists in molecular form as water or hydrocarbons in nature. Hydrogen is majorly produced from fossil fuels releasing carbon dioxide, a pollutant into atmosphere.
84	M r.	Sutar shan	Sudar shan	Dr J JMagdum college of engineering, Jaysingpur	sudarshansutar1694@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Investment casting cost	lost wax casting in which each product requires separate wax pattern. So far, these patterns are made by injection molding, which is time consuming and expensive process and also include high die cost.
85	M r.	Selva raju	Sivam ani	Salalah College of Technology	sivmansel@gmail.com	I have already completed my degree.	Breaking the Wall of Renewable Energy	The problem was to determine the extent to which the sodium methoxide as the catalyst and the effect of transesterification on various parameters where crude sunflower oil is used as feedstock
86	M r.	Sing h	Amit Kumar	Department of Biochemistry, University Of Allahabad	amitksingh@allduniv.ac.in	I am currently enrolled as a student.	Breaking the Wall of Energy deficiency	Recent Oil prices and continuously decreasing resources of fossil fuels and environmental pollution associated with consumption of fossil fuel have increases interest in using microalgae-based biofuel
87	M r.	KUM AR	AMIT	IES COLLEGE OF TECHNOLOGY, BHOPAL	samit6616@gmail.com	I am currently enrolled as a student.	Breaking the Wall of HEALTH SECTOR	Most of the people lost their life in road accidents, emergency and other situations due to unavailability of first aid at right time. There is no solution in medical sector to make them independent.
88	M s.	Math ew Joseph	Christy Sofi	Chettinad College of Engineering & Technology	christysofi555@gmail.com	I am currently enrolled as a student.	Breaking the Wall of "Terrace Garding Cherishing"	Terrace garden Cherishing /MaadiThottam Cherishing is gardening prepared independently. The cost of this project is very low but it gains more. My contribution is prepared budget and cost estimation.
89	M s.	MUR UGA PPA N	MEEN AKSHI	NATIONAL ENGINEERING COLLEGE	meenakshim96@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ... HUNGER AND STARVATION	Increasing population and demand for food, decreasing availability of fertile land for agriculture, increasing farmer suicides and reducing food production rate thereby leading to hunger & starvation.
90	M r.	H	Muthu Mariapan	National Engineering College	muthumariapan333@gmail.com	I have already completed my degree.	Breaking the Wall of Hearing Impairment.	Data Collection Camp @CSI Deaf School, NPTEL course with Golden Elite certificate. Working for the deployment of the product for real-time field validation to donate for the Schools during March 2018.

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91	M.r.	Arya	Prajwal	Jss Academy Of Technical Education	prajwalarya25@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Textile Waste and Online Purchasing	1-No recycling of unused and old clothes 2-Paying high price, which might be available at retail at cheap price 3-One cannot actually feel the fabric 4-picking right size 5-alteration after purchase
92	M.r.	Babu Arunachalam	Venkatesh	Indian Institute of Technology, Roorkee	venky.viera@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Migrant Housing	Sub standard housing for migrant workers, which are often temporary. Various standards and laws put forward prove futile and these strategies are not implemented due to a variety of factors.
93	M.s.	Ramachandrah	Arpitha	Jgene biology	arpitha.r10@gmail.com	I have already completed my degree.	Breaking the Wall of Unmet healthcare	Unaffordable treatments,availability of qualified medical practitioners( poor ratio of doctor:patient 3:1000),lackness in track of pharmacovigilence,substandarddrugs,human errors and patients history
94	M.s.	Rajpara	Krupa	Gujarat Technological University	krupa.rajpara6398@gmail.com	I am currently enrolled as a student.	Breaking the Wall of timetable issues	In academic field it is mandatory to maintain proper timetable. Managing timetable is difficult and brainstorming task.It becomes worst when faculty is on leave and we have to manage their slots ,too.
95	M.r.	Lamsal	Mahesh	Hysel India Private Limited	maheshlamsal7778872@gmail.com	I have already completed my degree.	Breaking the Wall of Bioremediation of Gases	Harmful gases emitted by vehicles, industries and other sources retains considerable amount of complex biological and chemical matter, which create serious health and environmental problems.
96	M.s.	G Kurup	Gayathri	Sree Buddha College of Engineering	gayathrigkuru p14@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Swilled Gas to Serviceable Energy	The gaseous mixture composes of Methane( a greenhouse gas having a global warming potential of 25) and carbon di oxide. By 2018 December, all trains will have biotoilets and emissions will increase.
97	M.r.	Battula	Sandeep	Adityalnstsite of technology and management	sandeepbattula150@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Aerosol Sensing.	Accumulated Aerosols(Particulate matter present in atmosphere) causes lung disorders in humans, in these days aerosol sensors are not compact and doesn't provide sensitivity and has poor calibration.
98	M.r.	Vansh	Rahul	Atmiya Institute of Technology & Science	rahulvansh66@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Virtual Assistant	I find that something is missing in all the virtual assistants! As it's powerful enough to control any device at same time having control in just your phone or desktop application at a time!
99	M.r.	HOSAGOUDAR	AMAR	B.V.V.S POLYTECHNIC (AUTONOMOUS) BAGALKOT	amarhosagou dar@gmail.com	I am currently enrolled as a student.	Breaking the Wall of PHYSICAL DISORDERS	SOME PEOPLE ARE PHYSICALLY HANDICAPPED.EVEN THEY CANT MOVE THEIR WHEELCHAIR BY OWN HANDS.AND SOME PEOPLE MAY LOST THEIR HANDS IN ACCIDENTS, SUCH PEOPLES MOVING FROM PALCE TO PLACE IS QUITE DIFFICULT
100	M.r.	Borana	Ronak	Bhavans College	ronakb128@gmail.com	I am currently enrolled as a student.	Breaking the Wall of clean drinking water	Water is life, and a lot of us are still far from it. Clean water is fundamental to a healthy existence. We need an eco-friendly way to purify water at a large scale for sustainable development.

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101	M.r.	Sadhu	Anirban	Jadavpur University	dstanisad@rediffmail.com	I am currently enrolled as a student.	Breaking the Wall of Agricultural-technology	Modern agricultural practices require quite a good amount of electrical energy for operating pumps and other equipment as well as for powering up modern ripening technologies at a subsidised price.
102	M.r.	Bagalwadi	Prajwal	SDM engineering and technology	prajwaldharwad@rediffmail.com	I am currently enrolled as a student.	Breaking the Wall of Artificial intelligence	As you know that the artificial intelligence has use in the various field but i am using the artificial intelligence in army or military and so the people are die everyday in a country like india
103	M.r.	Chellapilla	Om Anirudh	CVR COLLEGE OF ENGINEERING	omanirudh2014@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Cognitive distortions	There are 10 million cases of Bipolar disorder in India source of info : <a href="https://g.co/kgs/bFAYg9">https://g.co/kgs/bFAYg9</a>
104	M.r.	DAS	ARGHYADEP	EASYWORKSHIPS	dasarghyadeep000@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Rituals	In India, rituals are very common in household. But during the time of a ritual, it becomes a lot of hassle to the household to buy stuffs for puja and also to book a priest for that.
105	M.s.	Dhawan	Sarthika	Indraprastha Institute of Information Technology Delhi	sarthika15170@iiitd.ac.in	I am currently enrolled as a student.	Breaking the Wall of Social Bot detection on Twitch	Detection of streams with fake viewers and channels with fake followers is becoming an important concern on any social media. The objective of our project was to identify bots on Twitch platform.
106	M.r.	Gaul	Swapnil	TBI KIET	gaulswapnil@hotmail.com	I have already completed my degree.	Breaking the Wall of Theoretical learning	We have developed a digital platform to enhance hands-on learning experience. I am founder & CEO of company. I have expertise on mathematical modelling& have been involved in product development.
107	M.s.	Karunakaran	Lavanya	ICMR-National Institute for Research in Reproductive Health	lavanya.biotek@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Viruses in Cervical Cancer	Cervical cancer is 4th most common cancer in women worldwide. Vaccines available have many limitations and thus, there is need for alternative methods to control HPV infection in sexually active women
108	M.r.	Mundra	KaustubhMundra	IIT Kanpur	kaustubh.mundra3@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Drowsy Driving	Fatigue and Drowsiness monitoring in Drivers(4wheelers and Trains). 57% truck accidents, 30% car accidents and 74% Signal passing at danger by trains are due to lack of alertness.
109	M.r.	nil	Mayank	Chandigarh College Of engineering and technology,sector-26,Chandigarh	tiwarimayankrockss@gmail.com	I am currently enrolled as a student.	Breaking the Wall of INCREASING POLLUTION	In the whole World the major concern is environmental pollution which includes air pollution, water pollution and land pollution. We know very well that air pollution deteriorates the quality of air
110	M.r.	PATEL	ROSHAN	M.A.N.I.T. BHOPAL (M.P.)	roshyard77@gmail.com	I am currently enrolled as a student.	Breaking the Wall of DARK AND POLLUTED INDIA	Since industrialisation, India is deprived of electricity and suffering from pollution in metropolitan cities. Idea is supply electricity homes and vehicles through wireless transmission in new outlet
111	M.r.	Rana	Ashwani	IIT Ropar	2017eez0002@iitrpr.ac.in	I am currently enrolled as a student.	Breaking the Wall of Water Conservation	Water is the life line of every country.Still millions of people do not have the excess of drinking water.Global Warming and limited resources of drinking water is the threat for the future generation

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112	M.r.	Rastogi	Sankalp	Indian Institute of Technology Kanpur	sankalpr1012@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ... Drowsy Driving	Fatigue is highly common and underrated. 2/5 people admit falling asleep while driving. 57% truck accidents, 30% car accidents and 74% Signal passing at danger by trains are due to lack of alertness.
113	M.r.	S	NAVEN KUMAR	Rajalakshmi Engineering College	naveen.rs69@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Bio Soap from environmental Waste	Soaps are sometimes injurious to health and sometimes it hurts and fruit peels contains fat which is ignored
114	M.r.	SALAH	MOHAMMED ABOO	COLLEGE OF ENGINEERING CHERTHALA	ssaleh713@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Technology	If we can record our dreams. and watch at the morning its a great advantage the history . because sometime the may give the better idea.
115	M.s.	sarkar	shreya	Jawaharlal nehru Centre for Advanced Scientific Research	sarkarshreya61191@gmail.com	I am currently enrolled as a student.	Breaking the Wall of clean energy: splitting water	Depletion of fossil fuels led to increased energy demands which focused research towards strongly dependent on fuel-cell technology. Supplying purest form of H <sub>2</sub> and O <sub>2</sub> is essential for H <sub>2</sub> -O <sub>2</sub> fuel cell
116	M.r.	Sharma	Gaurav	Asian Development Bank	gaurav.speaks@gmail.com	I have already completed my degree.	Breaking the Wall of Technology Usage in poor societal sector	Problem: Women's Menstrual Health issues in the North-East of India, inaccessible places (tribal, conflict zones) low literacy and high superstition. Group effort project I am Engagement Mgr.
117	M.s.	SHYAM	MOUSUMI	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	mousumishyam48@gmail.com	I have already completed my degree.	Breaking the Wall of conventional drug targets for TB	MDR-TB and XDR-TB is the next big challenge that the human race has to face with few reserved drugs that are having higher probability to lose their efficacy in coming years
118	M.s.	SINGH	Bhawana	CSIR-CEERI	bhawana171291@gmail.com	I have already completed my degree.	Breaking the Wall of sensor for Aero-acoustic application	The detection of acoustic waves induce at aircraft body is the hardest task. To do this task at a most efficient way, is very important for any aircraft or launch vehicle .
119	M.r.	Vikash	Anand	NetajiSubhash engineering college	avikash122@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Gender discrimination	The problem of women & transgender Empowerment is what we are focusing on. We come across a lot of harassment cases whether it be domestic or non-domestic. The thing which we can surely control is non
120	M.r.	Peihauding	.	Kohima Science College, Jotsoma	peihauding2016@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Healing and Enhancement of Plants.	Plants take several years to recover the wound, some plants they cannot regain the tissues after injury. Normally the growth of the Plants & Crops is very limited and the demand of the world is High.
121	M.r.	singh	Abhijeetkumar	BITS-PILANI HYDERABAD CAMPUS	f20130518@hyderabad.bits-pilani.ac.in	I am currently enrolled as a student.		
122	M.r.	Paswan	Abhilash Kumar	CSIR- NGRI Hyderabad	abhilashpaswan@gmail.com	I have already completed my degree.	Breaking the Wall of Solution to the ground water challenges.	In India depletion of groundwater rate is going higher and higher. A sustainable management of this precious resource is important for all of us for our livelihood and for future generation.

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1 2 3	M r.	Vashi stha	Abhina v	Sonant technologies PVt Ltd	abhinav.vashi stha132@gma il.com	I have already completed my degree.	Breaking the Wall of hearing and/or speech disability	Speech and hearing impaired people use sign language to communicate, but other people do not know or understand sign language, this isolates them from rest of the world.
1 2 4	M r.	MISH RA	ABHIR AJ	JADAVPUR UNIVERSIT Y	abhiraj.mishra .211@gmail.c om	I am currently enrolled as a student.	Breaking the Wall of Mental Stress	The problem which I am addressing is, "mental stress" which eventually leads to Depression. It's a problem faced by almost every individual at one point or another.
1 2 5	M r.	DIG GEW ADI	ABHIS HEK	SHAH & ANCHOR KUTCHHI ENGINEERI NG COLLEGE	abhi96.diggew adi@gmail.co m	I am currently enrolled as a student.	Breaking the Wall of Drone and Robotics Technology	Shoppers are annoyed while locating items on shopping list, waiting in queue & comparing total price of all products before billing. And, there's a huge demand for easy payment of bills to save time.
1 2 6	M r.	Agga rwal	Abhish ek	Indian Institute of Science	abhiagr94@g mail.com	I am currently enrolled as a student.	Breaking the Wall of Sensing the Structural changes in DNA	DNA and RNA undergo different structural changes during various in vivo processes. Sensing these changes is a big challenge today. Their electrical properties are also not characterized properly.
1 2 7	M r.	Math ur	Akshat	Jodhpur Institute of Engineering and Technology	akshatmathur 112@gmail.co m	I am currently enrolled as a student.	Breaking the Wall of Fuel Scarcity and Waste Abundance	Increase in energy demand will soon result into natural reserves crossing Hubbert's peak and so declining irreversibly. Also, wastewater treatment is often neglected resulting in many challenges.
1 2 8	M r.	VAR HEK AR	AKSH AY	H.V.P.Mand al Amravati	akshayvarhek ar7@gmail.co m	I am currently enrolled as a student.	Breaking the Wall of smart voice control wheelchair	1 billion persons in the world have some form of disability. There not able to do there own work. They depend on the another people.Its very difficult to move chair to bed.like in mobile patient
1 2 9	M r.	Sriva stava	Aksha y Kumar	Sanaka Educational Trust Group Of Institution	akshayk980@ gmail.com	I am currently enrolled as a student.	Breaking the Wall of unsustainabl e construction materials	In India as per modern trend,rich clients demands to have heavy electric consuming equipments like AC,huge no. of lights for brilliant illumination for their comfort and mainly to show off themselves.
1 3 0	M s.	KAD AM	AKSHI TA	GTU University	akkukadam95 @gmail.com	I am currently enrolled as a student.	Breaking the Wall of Reservation	The higher the merit more qualified candidate be. But in India candidate scoring 90 % finds it impossible to get admission in reputed college where reservation seats get admission for less than 60%.
1 3 1	M s.	Virk	Aman preetK aur	Shoolini University of Biotechnolo gy and Managemen t Sciences, Solan, Himachal Pradesh	amanpreet_6 @ymail.com	I am currently enrolled as a student.	Breaking the Wall of water purification	Obtaining clean potable water is the major concern of the economy. Till date, the available water purification products have not succeeded in sustaining the nutritional content of water.
1 3 2	M r.	Kum ar	Amit	Manipal Institute of Technology	amit.k.tyagi94 @gmail.com	I am currently enrolled as a student.	Breaking the Wall of Farming	It is very difficult for all farmers to protect their crop from animals and birds as it grows. To protect it they have to be there in the field 24X7.

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133	M.r.	ARORA	AMIT	BK Birla Family Group	aroraamit03@gmail.com	I have already completed my degree.	Breaking the Wall of menace in agriculture	Multiple problems of rising farm input cost, poor access to farm mechanization and real-time finance along with rising debts for the farmers.
134	M.r.	LOKHANDE	AMIT	Institute of Chemical Technology (ICT), Mumbai, India	aslokhande29@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Phosphorous Diagnosis in Cattle	Phosphorous is an important element in cattle's body while it is expensive as supplementation. Thus its optimum level need to be maintained through simple animal side phosphorous determination.
135	M.r.	Sumo	amol	ict	amit@cherishpharma.com	I am currently enrolled as a student.	Breaking the Wall of poverty	
136	M.s.	Mahmood	Amreen	Manipal University	mail4amreen@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Non-adherence to prescribed treatment	Adherence to prescribed treatment is a huge challenge for healthcare providers globally. Increasing the effectiveness of adherence interventions may have far greater impact on the health of the people
137	M.s.	GHOUSH	ANAYA	NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR	ghoshanaya@gmail.com	I am currently enrolled as a student.	Breaking the Wall of NANOMATERIAL SYNTHESIS FROM WASTE PE	AFTER SEGREGATION OF WASTE, WASTE PE (POLYETHYLENE ) ARE SEPARATED WHICH CAN USE AS A FEEDSTOCK FOR NANOMATERIAL SYNTHESIS. These NANOMATERIALS CAN BE USED FOR WASTEWATER TREATMENT.
138	M.r.	Aich	Aniket	Tata Institute of Social Sciences	aniketaich25@gmail.com	I am currently enrolled as a student.	Breaking the Wall of social and economic disparity	The education index as well as the employment rate of the country has been declining. Although, governmental policies and schemes are in place, their efficiency are at an all time low.
139	M.r.	Kasturi	Anirudh	Bits Pilani, Hyderabad	anirudh.kasturi@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Water Conservation	40% of water distributed goes waste in Delhi alone. If water is not monitored it cannot be saved. Every drop needs to be tracked because every drop counts . Else we will be next on list for Day Zero
140	M.s.	Krishnakumar	Anisha	National Institute of Technology, Warangal	anisha.krishnakumar@gmail.com	I am currently enrolled as a student.	Breaking the Wall of scarce and unaffordable healthcare	Working as a team of three enthusiastic girls lead by me, we are aiming to address the issue of lack of affordable, easily accessible breast cancer diagnosis facilities - mainly in rural India
141	M.r.	Roy	Ankur	National Institute of Technology Sikkim	b150025ec@nitsikkim.ac.in	I am currently enrolled as a student.	Breaking the Wall of Machine Learning	The error rate is high for the detection of disease using ECG.
142	M.r.	Shukla	Anmol	BITS Pilani Goa Campus	f20140274@goa.bits-pilani.ac.in	I am currently enrolled as a student.	Breaking the Wall of Illetracy	Any form of Structured education requires the purchase of textbooks.In Underdeveloped/Developing countries,there are people who cannot afford textbooks.A bane could eliminate this.



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143	M s.	BANERJEE	ANNE SYA	JADAVPUR UNIVERSITY	banerjee.annesya1999@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ENERGY DEMANDS	ENERGY DEMANDS HAVE INCREASED MANIFOLDS WHEREAS ENERGY RESOURCES ARE DECREASING.WE REQUIRE SOME ECO-FRIENDLY ALTERNATIVES THAT WILL PROVIDE ENERGY ALL THE TIME WITHOUT ANY LOSS IN RESOURCES IN FUTURE.
144	M r.	Agarwal	Anurag	JSS ATE Noida	anurag.agarwal539@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Energy Crisis	One of the biggest problems facing the world today can be said to be the energy crisis. This situation has occurred due to the rapid burning of fossil fuels and other sources of non-renewable energy.
145	M r.	sekar	arullanandh	PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	arullanandh@gmail.com	I am currently enrolled as a student.	Breaking the Wall of self-employment	self-employment is a boon for country like india but here due to lack of awareness,support,resources and centralization of job requirements and opportunities many people are struggling to break above.
146	M r.	C.S.	ARUN	Kamaraj college of engineering and technology	ar20278@gmail.com	I am currently enrolled as a student.	Breaking the Wall of automobile emissions.	Industrial and automobile emissions are the main causes of air pollution.Carbonmonoxide(CO) is the most dangerous gas out of all the pollutants.A device which controls both CO and CO2 is required.
147	M s.	R	ARUNA	National Engineering College	arunaeienec@gmail.com	I am currently enrolled as a student.	Breaking the Wall of obscurations of the visually challenged	Currently 21% of blind people are present across the world. In India itself 39 million people are blind. 53,000 out of a million people are visually impaired & their survival in the society is tedious
148	M r.	Chandel	Arvind Kumar Singh	CSIR CSMCRI Bhavnagar	asck09@gmail.com	I am currently enrolled as a student.	Breaking the Wall of wound healing and injury scar removal	When any injury take place on the human body the wound heals slowly but leave a permanent injury scar at site whole life such csars renders the beauty of many peoples.
149	M r.	Rane	Aumkar	Mercedes-Benz India	aumkarrane@gmail.com	I have already completed my degree.	Breaking the Wall of Shortage of Donated Blood	Every year millions of lives are lost due to shortage of blood. Despite being a nation with a population of 1.2 Billion, India faces an average blood shortage of 3 million units.
150	M r.	NARAYAN	AYUSH	IIT GUWAHATI	ayushnarayan40@gmail.com	I am currently enrolled as a student.	Breaking the Wall of TECHNOLOGY THROUGH INNOVATION	HOW CAN WE OVERCOME PROBLEM OF LACK OF INNOVATION?
151	M r.	Hegde	Bharathkumar	EHE Innovations Pvt Ltd	bharathkumar.hegde@gmail.com	I have already completed my degree.	Breaking the Wall of community eye screening	Worldwide around 285 million are visually impaired, out of which 80% can be cured or prevented if diagnosed at early stage (WHO). Shortage of skilled manpower limits effective community eye screening.

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152	M r.	DEBNATH	BISWAJIT	JADAVPUR UNIVERSITY	biswajit.debnath.ju@gmail.com	I am currently enrolled as a student.	Breaking the Wall of circular economy via e-waste management	E-waste is a secondary resource of metals and other materials which needs to be recycled back into the supply chain to ensure resource efficiency and circular economy.
153	M r.	Chandra	Debanjan	IIT Bombay	rsshantu@gmail.com	I am currently enrolled as a student.	Breaking the Wall of environmental degradation	Due to rapid increment in using fossil fuels, the concentration of greenhouse gases in the atmosphere is gradually increasing resulting in global warming and acting as an impending doom on the world.
154	M r.	Bandari	Deepak	Vaagdevi Institute of Pharmaceutical Sciences	laxmideepak.pharma@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Medication non-adherence	WHO reports, 50% of chronic patients are medication nonadherent and Drug Control and Prevention(CDC) says one in two patients neglect and six out of ten forget to take as prescribed schedule.
155	M r.	Upadhyay	Deepak	GUJARAT TECHNOLOGICAL UNIVERSITY	upadhyay.deepak0@gmail.com	I have already completed my degree.	Breaking the Wall of Dumb and Deaf students problems	By using Design Thinking process, done observations, got empathy and find out major problems such as communication with normal people, Loneliness, Higher Education, Safety, Employment and Transportation.
156	M r.	Singh	Devedra	RRSMT, AMETHI	beinganuragsingh@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Electronic Waste	We are trying to collect the E-waste from individual household and scrap them legally. For this we had develop the portal where users can submit the information regarding their E-waste.
157	M r.	Panjwani	Dhiraj	Manipal Academy Of Higher Education	dhirajpanj@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Dental Caries	80% dental caries occur on occlusal surfaces of teeth, that can be prevented by pit & fissure sealants. Due to complex equipment required to cure the material, they are seldom used in outreach program
158	M r.	Dutta	Dibyendu	NSHM Knowledge Campus, Kolkata-Group of Institutions,	dibyendudutta2012@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Diabetic Nephropathy	Diabetic nephropathy (DN) is the currently most leading end stage renal disease worldwide. Till the date there is no such treatment agent available for diabetic nephropathy.
159	M r.	Shukla	Divakar	ThePadosi(Populitech Private Limited)	divakar@thepadosi.com	I have already completed my degree.	Breaking the Wall of inefficiency of govt infrastructure	1.Lack of inefficiency of politicians/govt officers. 2.Lack of non accountability of politicians/govt officers.
160	M s.	George	Eleena	T.Y.C.I.A - Turn Your Concern Into Action Foundation	eleena.tycia@gmail.com	I have already completed my degree.	Breaking the Wall of Jail	In my experience of working in the youth prison for 8 months I realised that there is a lack of context-based curriculum for education & life skills programmes inside Tihar prisons.
161	M r.	Bombe	Gaurav	Shivajirao S Jondhale college of Engineering, Dombivli (East)	gaurav.bombe@gmail.com	I am currently enrolled as a student.	Breaking the Wall of conventional ergonomics	We have the furniture designed of specific size which results in various spinal disorders on prolonged exposure. Also spondylosis patients or disabled need to have a specific angular tilt

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								and height.
162	M.s.	Parmar	Geeta	Atmiya Institute of Technology and Science	gmparmar1997@gmail.com	I am currently enrolled as a student.	Breaking the Wall of surveillance and Security	In practical there are many situations where human beings cannot deal with such problems like land mines buried under the ground causes threat to the lives and affect the economy of the nation etc.
163	M.r.	S Mathew	Gregory	VIT university	gregorysmathew1997@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Industrial pollution	Water bodies near Industrial zones are heavily polluted with inorganic elements. Solutions to cleanse it are labor intensive and quite expensive, also causing huge disturbances to the environment.
164	M.r.	Viswanathan	HariKarthik	Thiagarajar college of engineering madurai.	harrrikarthik@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Handicap	In Third world countries, in almost all the hospitals and rehabilitation centres, wheelchairs are still being operated manually. The user becomes dependent on someone. It also leads to stress.
165	M.r.	Amin	Harsh	Babaria Institute of Technology	harshamin9@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Underutilized Public Transport	Despite the population rise & merits of public transport people are not adopting this due to problems faced by commuters like Availability of Vehicle Timing Route Available Seats Sharing Live Location
166	M.s.	Karangiya	Hetal	Atmiya Institute of Technology and Science	hetal.karangiya111@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ... Automatic Material Handling Trolley	In the programming of servo gripper kit we face a degree problem for take and put a material. The servo gripper kit gets close before taking the material and gets open before putting a material.
167	M.r.	-	hitesh	MIT-Academy of Engineering	hitesh@mitaoe.ac.in	I am currently enrolled as a student.	Breaking the Wall of illness and poverty	many diseases and crores of life losses from water related diseases. many purifiers and filters are available in the market but no one in the range of poor, beggars. health, wealth also been demolished
168	M.r.	Gupta	Hritik	Indian Institute of Technology Mandi	b16097@students.iitmandi.ac.in	I am currently enrolled as a student.	Breaking the Wall of hardships faced by the visually impaired	How often do we see visually impaired programmers? The adversity is that current jobs they're engaged in petty jobs like BPOs, Book Binding. Lesser do we know how they can better their career prospects.
169	M.r.	Dutta	Indra	Jadavpur University	indranarayandutta@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Language	The idea is to create a mobile application that can detect, identify and translate text written in various languages on bill boards, street signs and other places for people visiting foreign lands.

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170	M.r.	KAT TUBADI	INTHI YAZ BASHA	APIIT RGUKT RKVALLEY	inthiyaz.iit@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Physically Disabled Persons Dependency	In our daily life we are seeing the Physically Disabled & Paralyzed People that they are depending on others to travel or move from one place to other. This is the main Problem they are facing.
171	M.r.	Jhamb	Jayant	BITS Pilani, K.K. Birla Goa Campus	jayant.good12@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Mobility	The mobility today faces two major issues – how to deal with the emissions and how to reduce the R&D costs for development of new platforms (accommodate different body sizes on common platform)
172	M.r.	Perugu	Jyothir Vishnu Bhara dwaja	College of Medical sciences	peruguv@gmail.com	I am currently enrolled as a student.	Breaking the Wall of conventional medical diagnostic aids.	Tuning forks-used in audiometry are time consuming & technique sensitive with increased incidence of false positive results. they do not measure the exact amount of air/bone conduction.
173	M.r.	Yograj	K.V	NANDHA EDUCATIONAL INSTITUTION	yogaraj2510@gmail.com	I am currently enrolled as a student.	Breaking the Wall of water scarcity	Water scarcity is the major issue of current scenario. Even genius are saying third world war will begin for water. But in India and many part of world, the precious rainwater are going unused.
174	M.r.	Waqar	Kaleem	Rajiv Gandhi Institute Of Petroleum Technology	epe16040@rgipt.ac.in	I am currently enrolled as a student.	Breaking the Wall of Fresh Water Scarcity and Energy crisis	Making Porous asphalt pavements which offer an alternative technology for stormwater management also capturing CO <sub>2</sub> from atmosphere reducing and following other steps to generating CO <sub>2</sub> fuel.
175	M.r.	SINGH	KAPIL	DAYANANDA SAGAR COLLEGE OF ENGINEERING	kapilsingh2251@gmail.com	I have already completed my degree.	Breaking the Wall of ARTIFICIAL LIGHTING SYSTEM IN INDUSTRIES	Maximizing the use of direct sunlight is one of the most efficient ways of reducing power consumption for lighting in large commercial / industrial buildings that solely depend on artificial lighting.
176	M.r.	Jethwa	Karan	Atmiya institute of technology and science	Karanjethwa1998@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Engineering	We made a project that can make human efforts easy and can do simultaneously 3 process and thus can save human effort and time too and it is a group effort and we are 3 in a group and I had great time
177	M.r.	Vishwakarma	Kartik	JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA	kartik.genesis@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Clean Energy crisis	India has faced Energy Crisis for a very long time. The majority of electricity is produced by burning of coal. This energy is not clean and makes the future unsustainable.
178	M.s.	P	KEERTHANA	SREE SASTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	sparklingkeer@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Inefficient Cold Storage	Our country requires high-end cold technology to solve demand-supply mismatch in food products and to improve the living standards of farmers and promote Aeroponics. I designed the complete project

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179	M.r.	sintu	kumar	bcebhalpur	nirmalmit@rediffmail.com	I am currently enrolled as a student.	Breaking the Wall of That's the way it works. You know what T	i have no any problem and i am a student patner of our college That's the way it works. You know what people need, and you tailor your solutions to meet what they need. You even give your unique meth
180	M.r.	Shende	Mahesh	G.H.Raisoni College of Engineering, Nagpur, Maharashtra, India	shendewmahesh29@gmail.com	I am currently enrolled as a student.	Breaking the Wall of waste management	In Some countries,employ labor to clean the roads,pubic places and parks by brooms and other hand-held devices. This is inefficient due to the amount of time it takes and the health related issues.
181	M.r.	PATEL	MALVIK	BITS EDU CAMPUS	malvik04@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Toll collecting system	When we encounter a toll plaza, we have to wait in queues, to get our turn to pay the taxes. Not only that, on reaching our turn, we might not have the exact change of money.
182	M.r.	Singh	Manav	Grand Dairy	manav2119@gmail.com	I am currently a Postdoc.	Breaking the Wall of Low Heat Detection Rate in Dairy Cows	Missed estrus and improper timing of artificial insemination due to manual heat detection errors resulting in extended calving intervals (low fertility) and significant economic loss to the dairy farm
183	M.r.	Bajaniya	Mayur	Atmiya Institute of Technology and Science	bajaniyamayur062@gmail.com	I am currently enrolled as a student.	Breaking the Wall of "SOLAR PESTICIDE SPRAYER"	Currently used pesticides sprayer is manually operated it require either fuel or it has to carry on farmers back.
184	M.r.	Sanas	Mayur	MediAsha Technologies Pvt. Ltd., Pune	mayur.sanas@gmail.com	I have already completed my degree.	Breaking the Wall of Fracture Mobilization	There are more than 200 million people suffer from fractures. In India every single minute one person gets injured in road accident.Fractured limb needs immobilization until we reach to the doctor.
185	M.s.	Mondal	Mayurakshi	Jadavpur University	mayurakshimondal@gmail.com	I have already completed my degree.	Breaking the Wall of Hydrogen Generation from Biomass	Around 80% of the modern energy is generated from fossil fuel,which emits green housegases.As a result global warming,smog,acid rain are taking place.Fossil fuel depletion is also rapid.
186	M.r.	PARWEZ	MD ZISHAN	Jadavpur university	zishanparwez786@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Hidden Business	When we go to a new place, we feel unaware of that place and hence unable to fulfill our needs.At the same time we want our needs at a low price near to us, so that we can get it quickly. Can we?
187	M.r.	HAQUE	MD. SANIUL	JADAVPUR UNIVERSITY	saniul81@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Global Warming	Human's stupidity causes Global warming(burning of our future) Causes Increasing quantity of green house gases by burning of fuels Effects Change in climate melting of natural ice desertification etc
188	M.s.	Negi	Meenakshi	SRM IST	meenakshinegi2511@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ballbot	We are a team of three and working with fuzzy logic with Swedish wheels to solve the issue of stability with full control on ballbot. I have been working on error feedback through the optical mouse.

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189	M.r.	KUMAR SHARMA	MOHIT	YOUTH BUZZ EDUCOM LLP	director@theyouthbuzz.com	I have already completed my degree.	Breaking the Wall of ADAPTING A FOREIGN COUNTRY FOR EDUCATION	Parents don't let their kids to go to foreign universities for better education due to of fear about an unseen,new and different environment.Even students don't take the risk of adapting of an unseen.
190	M.r.	Singh	Nakul	DAV INSTITUTE OF MANAGEMENT	NAKUL.4947@GMAIL.COM	I am currently enrolled as a student.	Breaking the Wall of Spitting	One million Indians suffer from cough daily and they have to spit out the phlegm out of their body into the surrounding.This increase the number of bacteria in surroundings and cause cough to others.
191	M.r.	Kumar	Narash	Graduate School of Engineering & Technology, GTU	nareshkr.22@gmail.com	I am currently enrolled as a student.	Breaking the Wall of traditional agriculture	The traditional agriculture methods used by the farmers are not so productive because of changed environmental conditions from decades.Low production and income is causing high rate of suicides.
192	M.r.	Macharlas	Neeraj Krishna	National Institute of Technology, Warangal	ms.neerajkrishna@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Energy	Energy is the most important of all resources, with the depletion of fossil fuels, we have to find a very efficient and cheap way of producing energy to ensure our survival in the long run.
193	M.s.	Kalani	Neha	Manipal Institute of Technology	nehakalani.opus@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Inaccurate positioning systems	Human following robot in a multi robot indoor system is not efficient with the extant technology, with respect to the accuracy and interference, that GPS or triangulation systems can offer.
194	M.s.	T	Nethra Devi	PSG Institute of Technology and Applied Research	nethracbe97@gmail.com	I am currently enrolled as a student.	Breaking the Wall of mental stress	In today's life style, people from all walks of life are subjected to a lot of mental stress. It has almost become our second skin. So eradication of stress is the problem in hand
195	M.r.	Saoji	Nikhil	Vishwakarma Institute of Technology, Pune	19.nsaoji.96@gmail.com	I am currently enrolled as a student.	Breaking the Wall of illiteracy in Visually Impaired	Single line braille refreshable displays restrict it's use only for displaying text documents. Tables, charts, figures take multiple rows of dots to display. They are expensive as well.
196	M.r.	DESHMUKH	NIKHIL KUMAR	MANIPAL INSTITUTE OF TECHNOLOGY	mikejazz343@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ROAD SAFETY	In India, there are a lot of deaths due to road accidents. One of the main cause of road accidents are over speeding and traffic light jumping. India is ranks top in road accidents.
197	M.r.	Chauhan	Nikunj	Atmiya Institute of Technology & Science , Rajkot	prajapatinikunj7600@gmail.com	I am currently enrolled as a student.	Breaking the Wall of "SOLAR PESTICIDE SPRAYER"	Currently used pesticides sprayer is manually operated it require either fuel or it has to carry on farmers back.
198	M.r.	Vala	Nikunj	AtmiyaInstitute of Technology and Science, Rajkot	valanikunj3@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Foldable helmet for bike riders	Today different types of bike helmets are available in market but the the main problem with the helmet is it is very bulky in size and occupiees more space. Also we can not carry with our bags.

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199	M.r.	Kullkarni	Paritosh	Manipal Academy Of Higher Education	pari2798@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Air Pollution done by smog&soot.	Soot in major metro-cities across the world is a huge problem not only to the society but also to the nation.Soot, a tiny&toxic, floats in the air we breathe, slowly killing us and we can't fix it.
200	M.s.	Mohasin	Piya	IISER Kolkata	piyamohasin@gmail.com	I have already completed my degree.	Breaking the Wall of Groundwater Depletion	Change in rainfall pattern, land cover and surface water contamination with groundwater overuse resulted in depletion of groundwater level due to slow rate of natural process of recharging an aquifer.
201	M.s.	Vartika	Pooja	BIT MESRA	poojavartika@gmail.com	I am currently enrolled as a student.	Breaking the Wall of informed consent : the realm of big data	The research based on the concept of informed consent to gain insights on the consumer behavior and development of the organisations,putting the consumers' data privacy at risk.
202	M.r.	Bose	Prabhashis	JADAVPUR UNIVERSITY	prabashis1999@gmail.com	I am currently enrolled as a student.	Breaking the Wall of MENSTRUAL TABOOS	Not only in India,menstrual taboos exist all over the world. Women adopt very unhygienic means to deal with period flow and often young girls during their periods skip school due to lack of comfort.
203	M.r.	Khesars	Prafull	SCHOOL OF PLANNING AND ARCHITECTURE	Prafullkhes@hotmail.com	I am currently enrolled as a student.	Breaking the Wall of POVERTY THROUGH ARCHITECTURE	By2050, one third of humanity will live inslum a global population of 9.8 billion will demand 70% more food than is consumed today.How can the world strengthen growth and equality at the same time?
204	M.r.	Jain	Pranav	Nvidia	contact@pranavjain.me	I have already completed my degree.	Breaking the Wall of Climate Change	Climate Change is a major problem which is being faced by every part of the world. Governments of different countries are trying to put efforts but can't solve it alone without global transparency.
205	M.r.	DHAKULKAR	PRANAV	PROF.RAM MEGHE INSTITUTE OF TECHNOLOGY AND RESEARCH BADNERA	dhakulkarpranav@gmail.com	I am currently enrolled as a student.	Breaking the Wall of REPAIRING WORK OF CONCRETE	IN INDIA FOR SMALL REPAIRING AND CONCRETE WORK YOU NEED TO RUSH TO 3 DIFFERENT VENDORS TO PURCHASE SAND CEMENT & AGGREGATE,MIXING IT AND THEN APPLY IS HECTIC & CONTRACTOR ALSO REFUSE TO DO SMALL WORKS
206	M.r.	Hegdhe	Pranav	Mnaipal institute of technology	pranavhegde64@gmail.com	I am currently enrolled as a student.	Breaking the Wall of road safety	India is a country where roadd safety is a concerning issue. A lot of people's lives are lost everyday.
207	M.r.	PANDEY	PRAVEER	NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR	praveer_pan05@rediffmail.com	I am currently enrolled as a student.	Breaking the Wall of YOUTH UNEMPLOYMENT	TODAY GLOBALLY,SPECIALLY INDIA THE YOUTH POPULATION WILL FORM A MAJORITY IN UPCOMING YEARS,BUT THE SCENARIO IS THAT MAJORITY OF YOUTHS ARE UNEMPLOYED SPECIALLY IN RURAL AREAS ALSO RESULTING POVERTY.

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208	M r.	Bommaraboyina	Prithvi Ram	TERI School of Advanced Studies	bommaraboyina.ram@students.tejuniversity.ac.in	I am currently enrolled as a student.	Breaking the Wall of Water Scarcity for Agriculture	The water pollution level and Water Scarcity is increasing day by day in India. Rural India needs a sustainable solution for the Waste Water Treatment and can be reused for the Agriculture Purpose.
209	M r.	VAS HISTA	RAJAT	UIET, Maharashtra and University, Rohtak, Haryana	rajat.mae@gmail.com	I am currently enrolled as a student.	Breaking the Wall of .....Patient Specific Cardiac Care	Predicting Patient Specific Cardiac anatomy and myocardial dysfunction with the help of computational modelling and machine learning for point of care diagnostics.
210	M s.	Patkar	Rajul	IIT Bombay	rajul.patkar@gmail.com	I have already completed my degree.	Breaking the Wall of Agriculture	Soil health links to land productivity and environmental sustainability. The conventional way is time consuming and expensive. Farmers need affordable, easy to use, reasonably precise systems.
211	M r.	Shah	Rathin	Recopro	rathin1993@gmail.com	I have already completed my degree.	Breaking the Wall of deforestation and pollution.	Pallets are platform-like structures used to transport goods in logistics. 200 million trees are cut annually to make 2 billion+ pallets! Also they're costly, heavy, cause high fuel waste & pollution.
212	M s.	P B	Renju	IIT Madras	renju.p.b@infilion.org	I am currently enrolled as a student.	Breaking the Wall of Gesture Recognition in AI	Current gesture recognition technologies rely heavily on statistical frameworks such as LSTM, HMM etc which is not practical for real life applications as they require large training data to model.
213	M s.	RAWAT	ROOPA	Indian Spinal Injuries Centre	rooparawat84@gmail.com	I have already completed my degree.	Breaking the Wall of Falling walls Disparity in healthcare	Non-communicable diseases are leading cause of death globally, developing countries like India is not prepared to handle this threat, as our system is still struggling to cater basic healthcare to all.
214	M r.	Kodinaraya	Rumit	Atmiya Institute of Technology and Science	rumitkodinaraya31@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Distinguish Fire Automatically using Robo	In real time , It is very difficult for fire fighter vehicles to reach inside large buildings , hotels, schools at the time of Fire. Fire fighter directly can't go and distinguish fire inside House.
215	M r.	Chakraborty	Riddhi	Heritage Institute of Technology	rwiddhi.chakraborty96@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Fake News	From alleged Russian involvement in the 2016 US Presidential elections, to fake Whatsapp news stories in India leading to mob lynchings, fake news is the new social crisis that aims to break us all.
216	M r.	Vekariya	Sagar	Atmiya Institute of Technology & Science ,Rajkot	sagarvekariya077@gmail.com	I am currently enrolled as a student.	Breaking the Wall of "SOLAR PESTICIDE SPRAYER"	Currently used pesticides sprayer is manually operated it require either fuel or it has to carry on farmers back.
217	M r.	Misra	Sameer	Gram Vikas - Kerandimal Education Trust	dravid2kai@gmail.com	I have already completed my degree.	Breaking the Wall of Science Education in Remote Rural Areas	Science education for city kids is easily accessible as they can afford expensive equipment in school. But how will a student from remote rural area learn science practically when there is little money



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218	M. r.	Kumar	Sanjay	IIT Gandhinagar	sanjay.k@iitgn.ac.in	I am currently enrolled as a student.	Breaking the Wall of food-borne pathogens	Nano-Biosensor was developed for the easy and colorimetric detection by immobilizing probe DNA and hybridizing complementary (bio-marker) DNA on to the optical devices.
219	M. r.	paul	santanu	Amritsar college of engineering and technology.	santanupaul707@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Brokerage of corps supply.	The farmer do not get the right price selling there corps and other side consumer have to pay at a same corps and vegetables much higher price.
220	M. r.	prabhulingaiah	santoshkumar	Skyfi Labs	psantoshsan@gmail.com	I have already completed my degree.	Breaking the Wall of hunger	There are 820 million chronically hungry people in the world. Most people throw away food every day which is uneaten leftovers. Shouldn't there be a solution to monitor and use this uneaten food
221	M. r.	Guchait	Sayan	Lovely Professional University	sayanguchait39@gmail.com	I am currently enrolled as a student.	Breaking the Wall of lines of torment	Since independence, our citizens of humanity in this land of diversity have been prey to the genuine lines of torment.
222	M. s.	Chandran	Seetha	IPGT & RA, Gujarat Ayurved University	seethaac@gmail.com	I am currently enrolled as a student.	Breaking the Wall of "When Ayurveda cross borders"	In public discourse a plethora of studying on the issue of toxicity in Ayurvedic medicines is ensued as this was interpreted as causing the patients' suffering.
223	M. r.	Mushaq	Shahrukh	SSM College of Engineering and Technology	shahrukhsharafat@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Primitive Technology	The problem with the present model of marker board comes with number of problems like instant ink refills, replacement of marker and a greater effort by the user while having an overall view on the pro
224	M. r.	Nutanakalva	Shaik Mohammed Inamul Hassan	PDPM IIITDM Jabalpur	01inamulhassan@gmail.com	I am currently enrolled as a student.	Breaking the Wall of women insecurity	Are we afraid of sending our sisters, daughters, mothers out alone? Yes, everyone is afraid because of the constant sorrow incidents happening around us. Can't we stop it? Definitely, we can with technology.
225	M. r.	KUMARS	SHANMUGA	MEPCO SCHLENK ENGINEERING COLLEGE	ajay.kpskumar1239@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Poverty	Poverty is a majority problem for many people, who are working for every day to get at least a single coarse of meal and a peaceful sleep! but still many people go to sleep with an empty stomach.....
226	M. r.	Shetty	Shreyas P	Manipal Institute of Technology	shreyasphetty09@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Open Defecation in India	The problem addressed is the Open Defecation in India. 12% of the population in urban areas defecate in the open and in rural areas that number is 72 percent. This leads to spreading of diseases.
227	M. r.	Das	Shubhayu	Heritage Institute of Technology	96shubhayu@gmail.com	I am currently enrolled as a student.	Breaking the Wall of health care record and analysis	The increasingly prohibitive burden of healthcare system originates from the non-existence of centralized database. They don't allow for efficient record keeping and use of data analytic techniques.

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228	M r.	Basu	Shubhrajit	CLT India	shubhrajit_basu@yahoo.com	I have already completed my degree.	Breaking the Wall of Education barrier for visually impaired	The estimated number of people visually impaired in the world is 285 million. Neither we have any smooth learning process nor direct exam based evaluation approach for the visually impaired community.
229	M s.	BHARTI	SHUCHI	Jawaharlal Nehru University	serendipityshuchi@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Corporate Giving	In India CSR is a legally mandated emerging phenomena. While it reflects global discourse, internally it is an unplanned process that leaves many gaps between needs and responses.
230	M r.	S	SHUNMUGA SUNDARAM	NATIONAL ENGINEERING COLLEGE	shunmugam009@gmail.com	I am currently enrolled as a student.	Breaking the Wall of finding spare automobile parts in India	In India, finding spare parts is not an easy job. With the arrival of number of new models, the process is getting complicated and it was time consuming one.
231	M r.	Rai	Shushil Kumar	Center of Innovative and Applied Bioprocessing (CIAB)	shushilrai31@yahoo.com	I am currently enrolled as a student.	Breaking the Wall of obesity and diabetes	Daily high-calorie sugar consumption in India is higher than western countries which may be a cause of obesity and deadly diabetes in the worst case.
232	M s.	Bhattacharya	Sohini	Jawaharlal Nehru Centre for Advanced Scientific Research	sohinisha@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Conventional Fossil Fuels	Non-renewable fossil fuels are steadily depleting, demanding alternative renewable sources of energy. Fuel cells are a step in that direction but its high cost prevents its widespread commercialization.
233	M r.	CHANDA	SOMDEB	Jadavpur University	somdeb04@rediffmail.com	I am currently enrolled as a student.	Breaking the Wall of horizons of our understanding on plants	Medicinal plants of immense commercial importance of export-worthiness are found in India. But for rapid and in-situ measurement of bio-active molecule, no measurement systems are available till date.
234	M r.	Kumar	Sooraj	IIT (BHU)	sooraj.kumar.cer15@itbhu.ac.in	I am currently enrolled as a student.	Breaking the Wall of perovskite solar cell fabrication cost	Currently, the perovskite thin film is the leading solar cell device having achieved 22% efficiency at lab scale. But the fabrication (annealing) is very tough, time taking and costly on a hotplate.
235	M r.	De	Sougata	Jadavpur University	sougotadayglo97@gmail.com	I am currently enrolled as a student.	Breaking the Wall of women rapes	RAPE A major problem that continues to be a threat all over the world. Statistics says its the most unreported crime. Reason: fear of retaliation, not wanting others to know. Result: Rapists are free
236	M r.	Roy	Soumyabrata	Jawaharlal Nehru Centre For Advanced Scientific Research	soumyabrata.iitkgp@gmail.com	I have already completed my degree.	Breaking the Wall of Climate Change	Global warming and energy crisis are the most imminent problems haunting mankind in the 21st century. An increased CO2 level in the atmosphere has led to substantial avg. global temperature increase.
237	M r.	Kumar	Sriram	Rajalakshmi Engineering College	sriramkumar.sriram@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Anti-TB Drug-Induced Hepatotoxicity	Anti-TB Drug-induced hepatotoxicity serves as a potential initiating factor favoring the onset of several hepatic diseases, and therefore urges for developing effective strategies of management.

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238	M s.	MONDAL	SUDIPA	National Institute of Technology, Durgapur, West Bengal, India	sudipaju10@gmail.com	I am currently a Postdoc.	Breaking the Wall of chemo resistance in cancer chemotherapy	In chemotherapy low concentration of drugs damages DNA and results cell death. But soon the cancer cells become resistant that requires higher concentration of drugs but it affects normal cells badly.
239	M s.	Bhattacharya	Suparna	CSIR-Central Glass And Ceramic Research Institute	suparna.ch2015@gmail.com	I have already completed my degree.	Breaking the Wall of ..Advantage of use of natural adsorbent	Now a days wastewater specially pharmaceutical and industrial wastewater are becoming threat to our ecosystem..Aquaticlife are greatly endangered due to the effect of this...
240	M r.	Batabyal	Suvadip	BITS Pilani, Hyderabad	mailto.sbatabyal@gmail.com	I have already completed my degree.	Breaking the Wall of designing prototype for human brain	To design a device which will imitate a human brain with respect to its capabilities to learn, recognize, discriminate and react. How to encode objects, store information, and trigger reactive system?
241	M s.	GIRI	SWAGARIKA	INDIAN INSTITUTE OF TECHNOLOGY	swagarika95@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Multiview Clustering	We consider clustering problem where the available attribute can be split into more than two independent subsets, such that either subset suffices for learning.
242	M s.	Bera	Tania	IIT Kharagpur	beratania89@gmail.com	I have already completed my degree.	Breaking the Wall of Sustainable Agricultural Practices	Global warming and environmental changes are leading to deteriorating plant health and emergence of newer diseases of flora. However, automated tool for monitoring plant health are unavailable.
243	M s.	CHATTERJEE	TIYASA	NSHM COLLEGE OF MANAGEMENT AND TECHNOLOGY, KOLKATA	tiyasachatterj@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ELECTRO - OPTIC BIO	We are a group of 7 The current BIO doesn't consist any kind of camera through which the doctor can view the images clearly Its magnification is low,charges electrically used in rural areas.
244	M r.	Gholap	Tushar	Currently not working	tushargholap29@gmail.com	I have already completed my degree.	Breaking the Wall of Complexity of Solar Tracking systems	Existing Solar Tracking Systems:- Microcontroller, Servo motor, Photo sensor-based systems. These are more expensive, complicated also more energy consuming for operation; high maintenance cost.
245	M r.	Ainala	Uday	M Kitchen Private Limited( Master Franchise of Buffalo Wild Wings	udhayainala@gmail.com	I have already completed my degree.	Breaking the Wall of Road Accidents	Travel by road during nights is unsafe due to poor visibility, fog & glare leading to countless road accidents costing millions of lives globally, especially in India. The Idea was conceived by me
246	M s.	Gunishetty	Vaishnavi	PDPM Indian Institute of Information Technology Design and Manufacturing, Jabalpur	ggunishetty9@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Cardiac Death rate	About 95% of sudden cardiac arrest patients die before reaching the hospital.Patients especially who live or travel alone are at high risk.In case of emergency,how to call for immediate medical help?

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247	M.r.	Mishra	Vedprakash	IIT Kanpur	vedpash@gmail.com	I am currently enrolled as a student.	Breaking the Wall of .... Helplessness	Harvest & post-harvest loss produce aggregates to Rs92,000 Cr and almost 16% of Fruits & Vegetables are lost & India processes only 2% of its Fruit & Vegetable due to poor cold chain infrastructure
248	M.r.	M	VEERASHANTHIRAM	National Engineering College, Kovi Ipatti	veerashanthiram@gmail.com	I am currently enrolled as a student.	Breaking the Wall of inconvenience in grading coconuts	The unavailability of suitable equipment makes quality assessment inconvenient for a huge batch of coconuts & presence of 5-7% bad grade intake affects the entire end product quality about 55-60%
249	M.r.	D	VENKATESH	NATIONAL ENGINEERING COLLEGE	venkatesh270596@gmail.com	I am currently enrolled as a student.	Breaking the Wall of ONLINE USED BOOK STORE	PRESENTLY PEOPLE HAVE LIMITED OPTION WITH SOME VERY RARE OLD BOOKS STORES WITH IN A CITY WHERE THEY LIVE
250	M.r.	Ghate	Vivek	Manipal College of Pharmaceutical Sciences	vivekghatem@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Toxicity	About 85% of the pharmaceuticals and cosmetics applied daily onto the skin can pass through directly and slowly into the bloodstream posing severe health issues going unnoticed until very late.
251	M.r.	OJHA	VIVEK	Jadavpur University	vivo.iitkgp@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Water Crisis	We call us "Blue Planet"...But 1-844M people live without access to safe water 2- 2.3B people living without access to improved sanitation. At 732M India tops list on number of people without toilets
252	M.s.	Pathak	Debosmita	Jagadis Bose National Science Talent Search	debosmitapatil@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Crisis and Convention by Magnets	The world today faces the crisis of Energy consumption, and its drawbacks on a fragile environment. Alternative forms of energy already in use can support this civilization, but for how much longer?
253	M.r.	Malik	Gautam	Meaningful Design Labs Pvt Ltd	jaggery.bags@gmail.com	I have already completed my degree.	Breaking the Wall of waste	We wish to highlight the topic of "waste" as one of the most important environmental issues of our time. Most of the metal and plastic we waste can take thousands of years to decompose.
254	M.r.	nil	Mayank	Chandigarh College Of engineering and technology, sector-26, Chandigarh	tiwarimayankrockss@gmail.com	I am currently enrolled as a student.	Breaking the Wall of INCREASING POLLUTION	In the whole World the major concern is environmental pollution which includes air pollution, water pollution and land pollution. We know very well that air pollution deteriorates the quality of air
255	M.r.	MUKHOPADHYAY	RAJATAVA	JAGADIS BOSE NATIONAL SCIENCE TALENT SEARCH	rajatava.m@gmail.com	I am currently enrolled as a student.	Breaking the Wall of Crisis and Convention by Magnets	The world today faces the crisis of Energy consumption, and its drawbacks on a fragile environment. Alternative forms of energy already in use can support this civilization, but for how much longer?

**Schedule of the activities on 7<sup>th</sup> April, 2018:**

Time	Programme
14:15 h - 15:00 h	Registrations
15:00 h - 15:30 h	Welcome Address
15:30 h - 16:15 h	Presentations 1-8
16:15 h - 16:45 h	Networking Break
16:45 h - 17:30 h	Presentations 9-16
17:30 h - 18:00 h	Lecture / Concert
18:00 h - 18:30 h	Award ceremony

**Details of the esteemed Judges of the event:**

1. Heike Mock, DAAD/DWIH, Chairperson of the Jury (confirmed)
2. Dr Michael Feiner, Consul General of Germany in Kolkata (confirmed)
3. Sabina Pandey, Regional Director, IGCC (confirmed)
4. Prof. Dr Pulak Sengupta
5. Prof. Dr Sudipta De

**Organising Committee:**

The event was organised at the venue, by the coordinators of the **Jadavpur University Entrepreneurship Cell, StartupCell, Industry institution head, TEQIP III JU** and partially sponsored by **TEQIP-III**. Rest of the financial liabilities are taken care by DAAD and DWIH

**Shortlisted Candidate:**

S.L.No.	Name	Affiliation	Email-ID
1	Mr. M Veeram Shanti Ram	National Engineering College, Kovilpatti	<a href="mailto:veerashanthiram@gmail.com">veerashanthiram@gmail.com</a>
2	Ms.AnishaKrishnakumar	National Institute of Technology, Warangal	<a href="mailto:Anisha.krishnakumar@gmail.com">Anisha.krishnakumar@gmail.com</a>
3	Ms.Sohini Bhattacharya	Jawaharlal Nehru Centre for Advanced Scientific Research	<a href="mailto:sohiniesha@gmail.com">sohiniesha@gmail.com</a>
4	Mr. H. MuthuMariappan	National Engineering College, Kovilpatti	<a href="mailto:muthumariappan333@gmail.com">muthumariappan333@gmail.com</a>
5	Mr.AbhinavVashishtha	Sonant Technologies PVt Ltd.	<a href="mailto:abhinav.vashishtha132@gmail.com">abhinav.vashishtha132@gmail.com</a>
6	Mr.Soumyabrata Roy	Jawaharlal Nehru Centre for Advanced Scientific Research	<a href="mailto:soumyabrata.iitkgp@gmail.com">soumyabrata.iitkgp@gmail.com</a>
7	Mr.Aashish Raj	ATL Bilaspur	<a href="mailto:aashishraj0708@gmail.com">aashishraj0708@gmail.com</a>
8	Amit Kumar	IES COLLEGE OF TECHNOLOGY, BHOPAL	<a href="mailto:samit6616@gmail.com">samit6616@gmail.com</a>
9	AmitLokhande	Institute of Chemical Technology (ICT), Mumbai, India	aslokhande29@gmail.com
10	Ms.BidusiSarkar	Indian Institute of Science, Bengaluru	<a href="mailto:bidushis@iiac.in">bidushis@iiac.in</a>
11	Ms.Bhawana Singh	CSIR-CEERI	<a href="mailto:bhawana171291@gmail.com">bhawana171291@gmail.com</a>
12	Mr.VivekGhate	Manipal College of Pharmaceutical Sciences	<a href="mailto:vivekghatem@gmail.com">vivekghatem@gmail.com</a>

13	DR. SudipaMondal	National Institute of Technology, Durgapur, West Bengal, India	sudipaju10@gmail.com
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**Winners of the Falling Walls Lab:**

- VeeraShanthi Ram M from National Engineering College, Kovilpatti, who presented his technological solution for quality check of coconuts for the food, pharmaceutical and cosmetic industry, was adjudged the winner of the Falling Walls Lab.
- The second prize was awarded to AnishaKrishnakumar from NIT Warangal for a user friendly product for detection of breast cancer.
- AmitLokhande, from the Institute of Chemical Technology (ICT), Mumbai, won the third position for his work on Phosphorous diagnosis in cattle.
- SoumyaMondal of Jadavpur University received the Audience Vote award for his gaming solution for energy conservation.

**Subsequent Results:**

VeeraShanthi Ram M, the winner, will compete with Falling Walls Lab winners from across the world at the global Lab finale, that will take place in **Berlin** on **8 November 2018**, and also gets a ticket to the prestigious **Falling Walls Conference** on **9 November** where leaders from science, industry and policy-maker will meet. The trip to Berlin is financed by the DWIH - German House for Research and Innovation New Delhi.

IMAGES from the event:-







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Images of DAAD FWL LAB events



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