



LJ Group of Institutes

organized

LJ INNOVATION VILLAGE - 2018

.....where ideas transform into innovation

1200+ Participants

260+ Projects

10+ Products

10+ Start-ups

10+ States Across India

50+ Industrial Mentors



IDEA



PLANNING



PROCESS



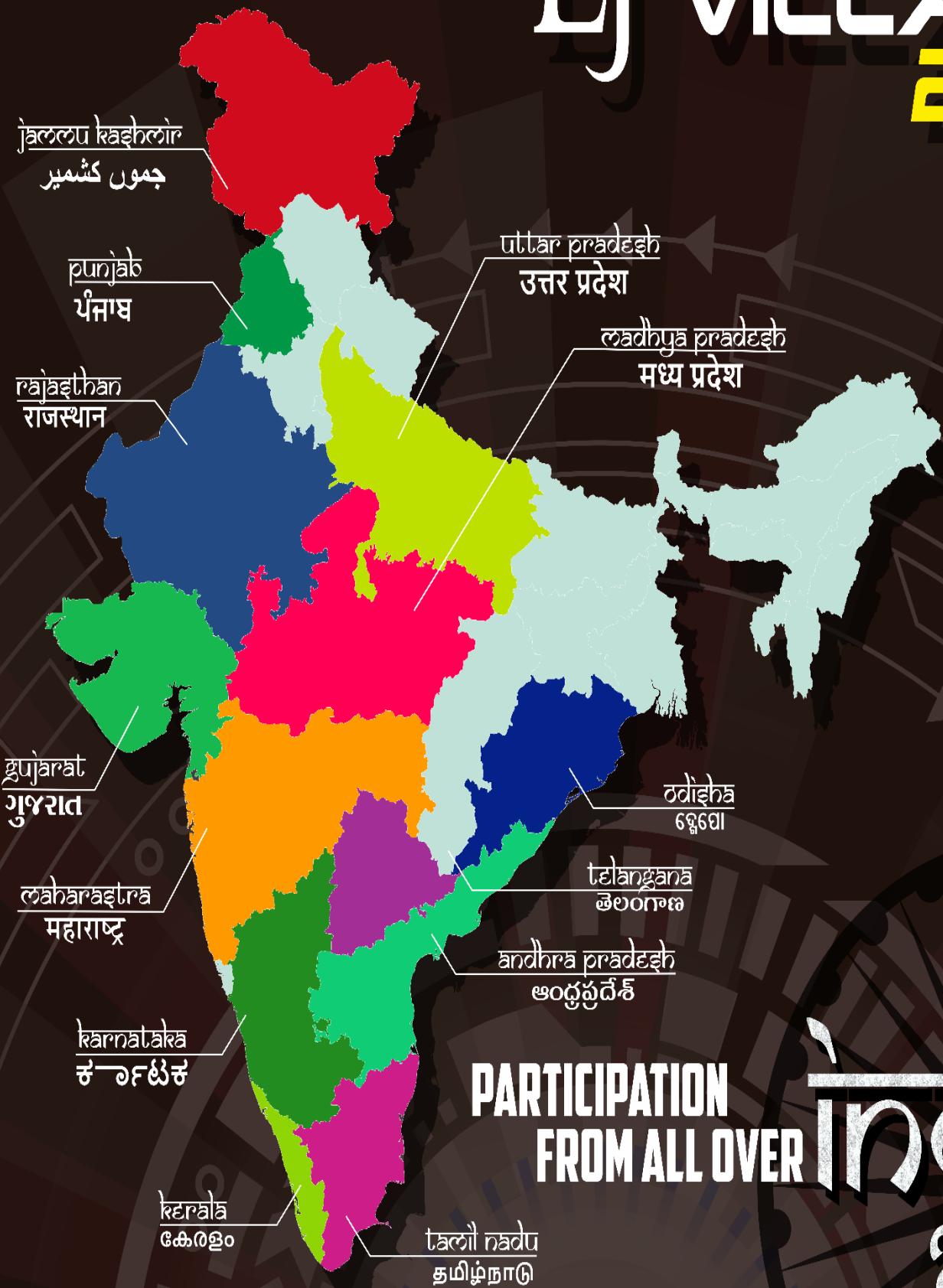
BRAINSTORM



SOLUTION

*Powered by
LJ Knowledge Foundation*

LJ INNOVATION VILLAGE 2018



PARTICIPATION
FROM ALL OVER

India
भारत

About LJ Group of Institutes

It is run by Lok Jagruti Kendra (LJK), a charitable Trust and registered society. LJ stands for 'Lok' (people) and 'Jagruti' (awareness). It was founded in the year 1980 by visionaries like Prof. B.M. Peerzada, Padma Bhushan Lord Meghnad Desai (LSE), Prof. Gautam Appa (LSE), Late Prof. M.S. Trivedi, Renowned Jurist Shri Girishbhai Patel and Shri Subodh Shah. The vision of trust has been to promote and nurture creativity, innovation, student start-ups and excellence through a chain of quality institutes, which would contribute to development of human capital of the country.

LJK has created 23 top class institutions on well-developed environment friendly campus with dedicated buildings and infrastructure facilities including:

- Technology enabled classrooms/laboratories, seminar halls/auditoriums, institute-wise rich libraries and computer centres connected with optical fiber network.
- Objective and transparent mechanisms with reliable student support system.
- Exploiting new advances in knowledge and technology to enhance the quality of education.
- Building links with institutions and organizations globally. This in turn, provides prospects of employability and learning.
- Highly qualified faculty drawn from across the country.

All these create a unique and unmistakable academic ambience. LJ Group of Institutes strive to develop students into complete citizens who not only have the necessary subject knowledge and skills, but also have the empathy towards various social, cultural, environmental and other issues affecting our society.

LJ Group of Institutes has affiliation with three universities (Gujarat University, Gujarat Technological University and IGNOU) for various disciplines in diploma, undergraduate and postgraduate programmes. All the programmes are approved by AICTE. LJ has over 15000 students and 700 faculties engaged not only in teaching-learning but also in research and extension activities.

LJ Group of Institutes has set up LJ Knowledge Foundation to promote innovation and start-up interventions in the campus, which has pioneered series of efforts to harness creative potential of students. LJ Knowledge Foundation is a nodal agency of Start-up Innovation Scheme of Government of Gujarat.

LJ also runs several Centers of Excellence (CoE) focused on soft skills such as communication skills, personality development and presentation skills to empower the students with sharp minds and exceptional talent.

LJ Group of Institutes feel proud for associating with Industry to conduct corporate & skill development training to bridge the existing gap between formal and realistic requirements of the Industry.

LJ has signed MOUs with Ford Motor, Toyota Motor, Suzuki Motor and Intas Pharma to provide them trained skilled manpower. LJ is also associated with leading national and multinational companies for facilitating placements.

About LJ Innovation Village

LJ Innovation Village is a platform to showcase innovative projects, products and start-ups by innovators. It provides an opportunity to innovators to interact with students, faculties, industry experts and investors. It brings out hidden creativity of students, enhances their skills and performance by focusing on overall innovative development.

Innovation and creativity are two words heard frequently in today's education system. How can we encourage innovation and creativity in ourselves and our students? Reimers-Hild and King (2009) described components of innovation as fun, creative, diverse, collaborative, and intuitive. Though, innovation has been defined differently by coveted noble laureates. We believe that, an idea must be replicable and economically scalable. Innovation is a process, which evolves the life cycle of a product/ service, from ideation phase to commercialization for useful of society. The additions and deletions during this process defines the creative instinct of the innovator. An innovative ecosystem is the outcome of risk takers and entrepreneurial thinkers.

To nurture the skills of youth, LJ Innovation Village is organized every year in the month of January - February. Since 2013, more than 1200 projects have been showcased by over 5000 students of Degree/Diploma Engineering, Architecture, Pharmacy, Applied Sciences and MCA. Students visit some places and look into the social problems, then find out solutions by their innovative ideas and develop relevant projects. All these projects are mentored and evaluated by various Industry Experts. After the evaluation process, best projects are selected for the next stage (i.e. Start-up Week 24 x 7).

Highlights of LJ Innovation Village 2018:

- Organized on Saturday, 17th February, 2018, from 10am to 5pm at LJ Campus. Inaugurated by Prof. (Dr.) Navin Sheth; Honourable Vice-Chancellor, Gujarat Technological University, Prof. Anil Gupta; Founder Honey Bee Network, Hiranmay Mahanta; Director GTU Innovation Council, Prof. B. M. Pirzada; President, LJK and Dr. Manish Shah; Vice-President, LJK.
- Inauguration Ceremony attended by Trustees of LJK, Directors of LJ Group of Institutes, Industrial Mentors, Invited Guests, Faculty Members, other Staff and Students.
- Smt. Anju Sharma (IAS); Principle Secretary Higher & Technical Education inaugurated **“Garage on Wheel”....an Initiative of LJK**. She also visited various projects to motivate and encourage the participants.
- Prof. (Dr.) Navin Sheth and Prof. Anil Gupta were delighted to interact with young innovators.
- **More than 300 projects (including proof of concepts, prototypes, products and start-ups) were showcased by over 1200 participants from 12 states of India.**
- **Projects were evaluated, motivated and encouraged by 50 Industry Mentors.**
- LJ Pharmacy and LJ Institute of Applied Sciences showcased their respective products.
- Visited by more than 8000 visitors including students, parents, industry experts, faculties and LJK management & trustees.
- **Students were assigned to visit the projects and prepare a case study based on their observation.**
- **After the exhibition, two Pitching Sessions were organized. (One for Participants from Outside Gujarat and Other for Participants from Gujarat).**

LJ Innovation Village 2018



Lighting of Lamp to Inaugurate LJ Innovation Village-2018



Welcoming Prof. (Dr.) Navin Sheth; Vice-Chancellor, GTU by Dr. Manish Shah



Welcoming Prof. Anil Gupta; Founder Honey Bee Network by Dr. Viral Shah

LJ Innovation Village 2018



Welcome Address by Prof. B. M. Peerzada (President, LJK)



About LJK (Lok Jagruti Kendra) by Dr. Manish Shah (Vice-President, LJK)

LJ Innovation Village 2018



I deeply admire the efforts of LJ Innovation Village for inviting the nationwide student talents. I would like to draw your attention towards the point that our modern education system, from the beginning, emphasize on the myth that India is an agricultural state and we do not have any prowess in science and technology. On the contrary, the western countries' students take pride on their rich legacy of technological advancements. But in reality, we must admit that we failed to educate our students to leverage the innovational edge which we have inherited from our ancestors, be it in the field of meteorology, architecture, chemistry, physics, and so on. So, our modern students do not feel proud about our rich national achievements and admire the successes of other countries.

This is the main reason behind the brain drain. However, the efforts like LJ Innovation Village would surely infuse the vibrant energy to our young minds. Definitely, efforts like this would ignite the spark among the students which will drive the students to achieve the dream of Shri Swami Vivekananda to reestablish our nation on the position of The World Guru. Hence, I believe the programs like these will be considered as the nation changer, nation builder.

Thank you all.

Address by Prof. (Dr.) Navin Sheth; Vice-Chancellor, GTU

I cordially appreciate the efforts of LJK for inviting students who work not only on "Proof of Concepts" but also on "Actual Products". The vision of LJIV is to successfully attract talents from nationwide including the best of institutes like IITs. I take immense pride in the activity of LJK to have successfully invited the best geniuses from all over India. Hence we must promote peer learning by encouraging startups to work together, e.g. how software engineers would help hardware learners the use of softwares. By doing this, our country would regain its strength and our city will become "Ahmedabad Valley" like "Silicon Valley". In addition to this, I would also like to vouch on the efforts of school students who came up to compete with the students of colleges like IIT and others with their innovative ideas.



I congratulate them from the bottom of my heart. If school students can explore rigorously the various options for the problem at hand and suggest innovative ideas to solve them, we would definitely solve many problems of our society.

Hence, I request LJK trust to form a new section comprising mentors from academia and industry, which solely work with the nurturing of ideas from the school students. I encourage students to spread the vision of LJK to help the society by meeting the unmet needs of the underprivileged sections. Students should identify the problems (unmet needs) in the fields of health, education, small scale industries, and final years' students should work on them to provide innovative solutions.

To conclude my session I would like to give 4 recommendations to the students: 1) First step to succeed in our life is Curiosity (Utsukta), 2) Curiosity will lead to enthusiasm (Utsah), 3) Enthusiasm will generate Energy (Urja), 4) This Energy will lead to Happiness (Ulhaas).

Thank you all

Address by Padma Shri Prof. Anil Gupta; Founder Honey Bee Network

LJ Innovation Village 2018



Startup Fund Announcement by Dr. Viral Shah

Principal New LJ Commerce College, CEO Antrapreneur: The Business Incubator



**Trinetram
LJ Polytechnic**



**Advance Device Monitoring System
LJ Institute of Engineering & Technology**

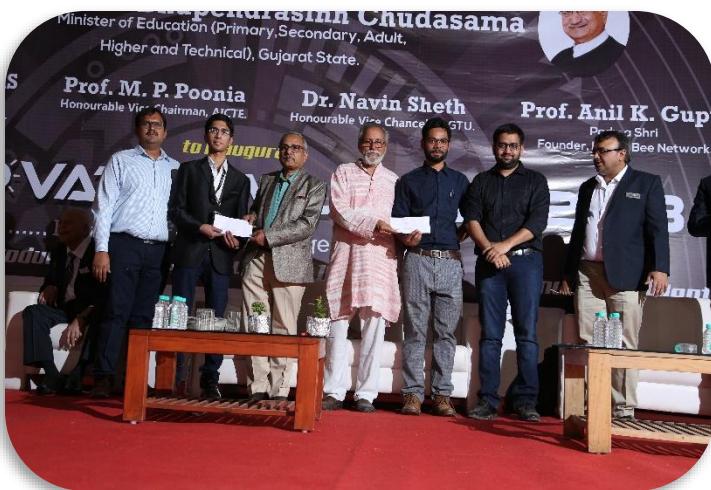


**Stair Climbing Trolley
LJ Polytechnic**



Felicitation of Project Mentor

LJ Innovation Village 2018



Automatic Curb Painting Machine
LJ Polytechnic



Customized Mementos
LJ Institute of Engineering & Technology



Quick Pick
LJ Polytechnic



Automatic Bottle Filling Plant
LJ Institute of Engineering & Technology



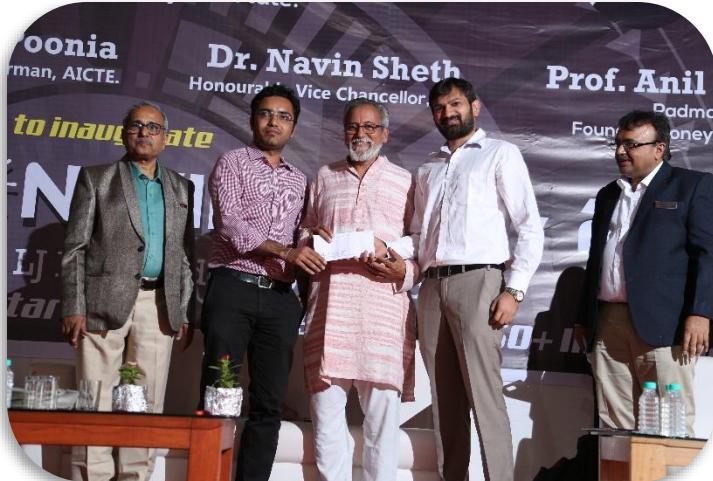
Mokshshil Services Pvt. Ltd.
LJ Institute of Management Studies



Shashwat Front Edge Technologies LLP
LJ Institute of Engineering & Technology

Startup Fund Announcement

LJ Innovation Village 2018



Advino Healthcare Pvt. Ltd.



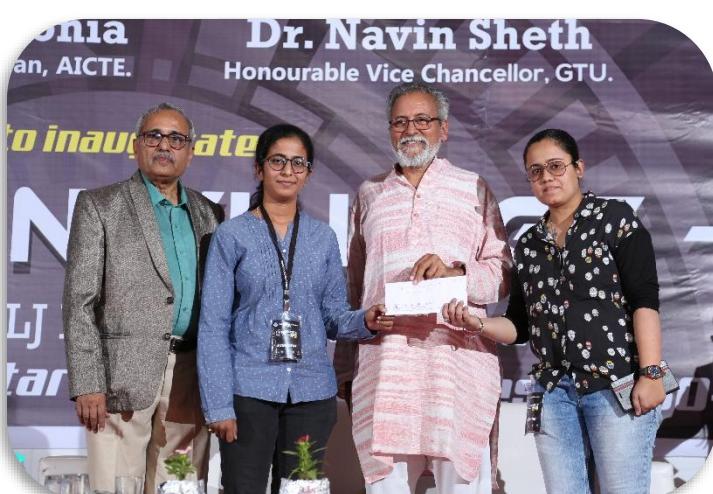
Ability on Wheels



Alagrand Retail Pvt. Ltd.



Fiduciary Senior Living Services Pvt. Ltd.



AAAlgaari Ventures



Ininteronic Communications Pvt. Ltd.

Startup Fund Announcement

LJ Innovation Village 2018



Hosting by Mahesh Kella; Director, LJ Polytechnic, Skill & Corporate Training



Audience at Inauguration Ceremony

LJ Innovation Village 2018



Audience at Inauguration Ceremony

LJ Innovation Village 2018



Welcoming Smt. Anju Sharma (IAS); Principle Secretary Higher & Technical Education by Dr. Manish Shah



Inauguration Ceremony of Garage on Wheel by Smt. Anju Sharma (IAS)

LJ Innovation Village 2018



Projects visited by Smt. Anju Sharma (IAS)

LJ Innovation Village 2018



Projects visited by Smt. Anju Sharma (IAS)

LJ Innovation Village 2018



Projects visited by Prof. (Dr.) Navin Sheth; Vice-Chancellor, GTU

LJ Innovation Village 2018



Projects visited by Prof. (Dr.) Navin Sheth; Vice-Chancellor, GTU

LJ Innovation Village 2018



Projects visited by Padma Shri Prof. Anil Gupta; Founder Honey Bee Network

LJ Innovation Village 2018



Projects visited by Padma Shri Prof. Anil Gupta; Founder Honey Bee Network

LJ Innovation Village 2018



Projects visited by President, Vice-President, Trustees and Directors of LJ Group

LJ Innovation Village 2018



Projects visited by Students to prepare Case Study

LJ Innovation Village 2018



Projects visited by Students to prepare Case Study



Organizing Team of LJ Innovation Village-2018 with Guests

LJ Innovation Village 2018

- ❖ LJ Innovation Village proved to be a catalyst for student innovators. A major participation was witnessed from different districts of Gujarat.
- ❖ To provide a platform to these budding entrepreneurs, a pitching session was organized by L J.
- ❖ Ms. Anju Sharma (IAS), enlightened the students with her words and seeded the thought to think differently.
- ❖ A jury panel from different Nodal Institutes of Gujarat (GTU, GU, LDRP, Sigma) were present to evaluate these innovations.
- ❖ To add on to the crisp, students from different schools of Gujarat also participated in the pitching session.
- ❖ The students were also sensitized about the various Central & State Government schemes for further betterment of their projects..
- ❖ They were further felicitated with a certificate of appreciation.



Felicitation Ceremony of Participants from various Colleges across Gujarat

LJ Innovation Village 2018



Smt. Anju Sharma (IAS) felicitated Participants from various Colleges across Gujarat

LJ Innovation Village 2018



Smt. Anju Sharma (IAS) felicitated Participants from various Colleges across Gujarat

LJ Innovation Village 2018

- ❖ LJ Innovation Village acquired another milestone in 2018.
- ❖ Participants from 10+ states of India exhibited their projects at LJ Innovation Village.
- ❖ For a motivational kick start to these innovations, a pitching session was organized by LJ.
- ❖ The session was judged by Mr. Ateet Bajaj, Mr. Niraj Shah, Mr. Ankit Macchar and Ms. Hufreez Kasad.
- ❖ The best five innovations were felicitated with cash prizes as a gesture of appreciation



Mr. Niraj Shah
Owner, Arihant Satiate



Ms. Hufreez Kasad
Founder Cognoscent Advisory Group



Mr. Ateet Bajaj
Founder of Start51.com



Mr. Ankit Machhar
NEN

Judges at Pitching Session of Participants from other States (Outside Gujarat)

LJ Innovation Village 2018



Pitching Session of Participants from other States (Outside Gujarat)

LJ Innovation Village 2018



Pitching Session of Participants from other States (Outside Gujarat)

LJ Innovation Village 2018



Solar Power UV Portable Water Filter



Rolling Water Purifier



Production of High Value Commercial using Micro-organism



Sewag Cleaning Machine



Nano that Heals

Prize Distribution of Participants from other States (Outside Gujarat)

LJ Start-up Week 24x7

LJ Start-up Week 24x7 is the next step of LJ Innovation Village organized by LJ Group of Institutes since 2017. It is an exclusive platform for student startups, new age entrepreneurs, industry mentors and student community to aggregate and share their experiences and endeavors, gain amazing new insights. The purpose of this initiative is:

- To provide a platform for student projects to meet various mentors according to their requirements with appropriate guidance.
- Examining the current situation and issues affecting the practical aspects.
- Projecting the impact of external forces in industrial and business sector.
- Real time technical & business evaluation by the mentors for strategic directions and next step projections.

Start-up Week 24 x 7 (2018 Edition)

It was two days event and organized on 24th & 25th March, 2018.

24th March

The event was inaugurated by Dr. Manish Shah, Vice President of LJK with a brief introduction of Startup Week 24x7. A humorously informative session on Business and Technical Model Canvas was delivered by Dr. Siddharth Bist. The inauguration was concluded with a Panel Discussion on “Challenges in converting an Idea to a Product.” The day was taken forward with the much enthusiastic interaction between participants and mentors, followed by lunch. The first day came to an end with a feedback interaction with the respective participants.

25th March

After a successful adios to the first day, the second day of the event started with mentors visiting projects. Mentors with different backgrounds such as Business, Startups, IPR, CA & CS, and IT industries and etc., were present at Startup Week. The learning environment created during the participant- mentor interactions created a powerful sense of technical and marketing valuations, to survive in the emerging startup ecosystem.

Highlight

- 50+ Projects (Selected from LJ Innovation Village-2018)
- 100+ Technical and Business Mentors
- 12-15 hours of mentor-innovator interaction
- Multi-domain mentorship platform
- Mentors from domains required for specific projects
- Student-Mentor relation building
- Informal interviewing platform for mentors

Training on BMC/TMC & Market Survey: A market survey questionnaire was designed for the participants and an activity was held namely “In Campus Market Survey”. This helped them get a test sample of the real-time customer scenario of their product/service. BMC/TMC preparation sessions, mentor interactions, panel discussions on the emerging entrepreneurial dimensions.

LJ Start-up Week 24x7



Dr. Manish Shah



Dr. Viral Shah



Dr. Siddarth Bist



Prof. Bhushan Mehta



Prof. Alok Manke



Participants/Innovators

LJ Start-up Week 24x7



Business and Industrial Mentors Guiding Participants/Innovators

LJ Start-up Week 24x7



Business and Industrial Mentors Guiding Participants/Innovators

LJ Start-up Week 24x7



Business and Industrial Mentors Guiding Participants/Innovators

LJ Start-up Week 24x7



Business and Industrial Mentors Guiding Participants/Innovators

LJ Start-up Week 24x7



Business and Industrial Mentors Guiding Participants/Innovators

Projects/Innovations Selected for Funding/Grant Support

Projects/Innovations Selected for Funding/Grant Support

Project Title	AHMEDABAD SHORT FILM
Group Members	Mr. Yash Dham, Mr. Harshit Shah, Mr. Jaitoon Dhanani, Ms. Mudra Kotak
Branch	Information & Communication Technology
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Ajay Upadhyaya

Abstract: This project is based on the short filmmaking. The students who are interested in making a short film and has a talent in particular fields but due to lack of resources which is needed to make a short film it is hard to make one. So we develop a website called as Ahmedabad Short Film which is a kind of local website for the colleges and schools located in the city. The project helps in collecting information about the resources students have in their respective fields. Also, it helps in making a short film project by collecting the resources they lack..



Project Title	SMART HOME
Group Members	Mr. Akhil Patel
Branch	Information & Communication Technology
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Ankita Tiwari

Abstract: Home automation system makes the operations of various home appliances more convenient and saves energy. With the energy saving concept, it involves automatic controlling of all electrical or electronic device in a home or even remotely through wireless communication, like water pump, water level indicator, lights, fans etc. can be operated. There are numbers of products available in the market but this project is based on wired/wireless so we can also use it by wireless. We can access it through android application in which all functions are built.



Projects/Innovations Selected for Funding/Grant Support

Project Title	FACE RECOGNITION WITH SMART EMAIL ALERTS AND GPS TRAKING
Group Members	Mr. Vrushang Patel, Mr. Yakshkumar Thakar, Ms. Hitarthi Shah, Ms. Viranchi Parikh, Mr. Mihir Bhatt
Branch	Information & Communication Technology
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Dr. Anil Suthar

Abstract: In this Project we require the Database of images of the humans. The images are nothing but array of pixels we encode this array into the universal unique encoding so that each image has it's own identity. Than we merge this encoding arrays in the List Data Structure support by the python language. Than we run our program we access the USB video camera for recognition process. When any human face is detected with the help of jhones-voila algoritham give alert with respected location.



Project Title	GEMINI
Group Members	Mr. Aliabbas Bhojani, Mr. Jaymish Patel, Mr. Parth Patel, Mr. Jaimin Shingala, Mr. Bharat Sajnani, Mr. Hussain Ujjaini, Mr. Bhavya Doshi, Mr. Harshal Nandani, Mr. Manthan Chavda
Branch	Computer Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Nisarg Patel

Abstract: GEMINI is an all-in-one multipurpose event management system. It's a system that serves the purpose of online registrations, event descriptions, certificate generation and a lot more. The core purpose of this system is to lesser the paperwork and place the entire system of an event online. The system is currently being applied in the LJET's tech fest NOTION 2k18 and after it's successful implementation, we will make integrate this system in the events of other institutes and LJ group.



Projects/Innovations Selected for Funding/Grant Support

Project Title	LJ TASK FLOW
Group Members	Mr. Yash Dilipbhai, Mr. Dharmik Mehta
Branch	MCA
Institute Name	LJ Institute of Computer Application
Project Guide	Prof. Monica Gahlawat

Abstract: The project is made for managing the task and to reduce the human effort of remembering the task details and its time of completion. It provides functionality like Add Task, Updates Task and deletion of a task. The novelty of this project is that before this we were unable to quantify the work an individual faculty or the committee has done and to do so we are introducing rating system. So by that, we can know how efficient or productive is an individual faculty or committee.



Project Title	QUESTION PAPER GENERATOR
Group Members	Mr. Harshad Prajapati, Mr. Kishor Patel, Mr. Dhruvin Prajapati, Mr. Bhavin Kalal
Branch	MCA
Institute Name	LJ Institute of Computer Application
Project Guide	Prof. Alok Manke

Abstract: Question papers are getting leaked these days as the process is manual and there are a lot of people involved from the time the paper is made till the paper reaches students. Also, every time a paper is made it is influenced by the person making it as in his favorite topic or the level of difficulty is set according to him/her. This project serves both the problems by having a software which automatically generates question paper.



Projects/Innovations Selected for Funding/Grant Support

Project Title	RECLAMATION OF MSW AS CONSTRUCTION FILL MATERIAL
Group Members	Mr. Malav Shukla, Mr. Mauni Vyas, Mr. Parth Joshi, Ms. Netra Pandya, Ms. Keta Patel
Branch	Civil Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Jerome Jose

Abstract: With increasing population and change in lifestyles of people has caused a tremendous increase in the generation of municipal solid waste. A landfill is one of the most popular methods of disposal of Municipal Solid Waste (MSW) in India that degrades the environment. An innovative alternative to this problem is to reclaim and reuse this landfill material as a quality controlled engineering material.



Project Title	GLASS CONCRETE
Group Members	Mr. Yash Patel, Mr. Harshad Makwana, Mr. Nirmal Suthar, Mr. Gaurav Mer, Mr. Vansh Agrawal, Mr. Sahej Tuteja
Branch	Civil Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Keval Patel

Abstract: Hybrid concrete construction is a method of construction which integrates precast concrete and cast in-situ concrete to make the best advantage of their different inherent qualities. The accuracy, speed and high-quality finish of precast components can be combined with the economy and flexibility of cast in-situ concrete. Precast and in-situ concrete can be used together in many different ways to extend the design horizons for architects, engineers, and contractors.



Projects/Innovations Selected for Funding/Grant Support

Project Title	FLOOR CLEANING MACHINE
Group Members	Mr. Tushar Lalchandani, Mr. Suryawanshi Bhavesh, Mr. Mituraj Rathod
Branch	Automobile Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Bhushan Mehta

Abstract: We have innovated the cleaning machine by making it able to dry the floor as soon as it wipes and cleans the floor. This is applicable up to the places having wide and long floors. Our customers are organizations and institutes and user is the worker or sweeper. The basic design of our project is divided into 3 parts. A: sweeps the floor using roller broom. B: wipes the floor. C: dries the floor instantly using a high power fan.



Project Title	THE SUSTAE PRODUCTS
Group Members	Mr. Aaditya Gadani, Ms. Tensi Tala, Mr. Yogan Shah, Mr. Taksh Patel, Mr. Biren Thakor, Mr. Dutt Thakkar, Mr. Ravi Sidhadhapara
Branch	Architectural Assistantship
Institute Name	LJ Polytechnic
Project Guide	Prof. Nikita Arora

Abstract: The purpose of the project is to propose the possible scenarios for a sustainable consumption society based on the ideas and concept we get from the different class of the society. It will largely impact upon the health and sanitation system of our society. The major resources that we are going to use will mainly be the waste materials. For example:- Trash of wood and corrugated sheets, used paint buckets, etc. It covers waste prevention, construction and demolition with re-furbishing techniques. It involves recycling, architectural re-use and design for recovery.



Projects/Innovations Selected for Funding/Grant Support

Project Title	3D PRINTER
Group Members	Mr. Vekariya Vishal
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Harshul Brahmbhatt

Abstract: 3D printing is a fundamentally new approach to making things. Additive manufacturing the technique on which 3D printing is based involves building products up layer by layer using a range of different materials. That is in contrast to predominant “subtractive” techniques, which involves taking blocks of material, cutting them down into the right shape and assembling them into more complex products.



Project Title	SMART SIGNALS
Group Members	Mr. Ashish Reji, Mr. Vikas Gera, Ms. Pranjali Joshi, Ms. Nupur Ruhchandani, Ms. Riya Lakhota, Ms. Kirti Goplani
Branch	Electronics & Communication Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Ketan Bhavsar

Abstract: Creating variable counters which change on the basis of the traffic generated at a particular junction or location, enabling commuters to save time, money, fuel, etc. The traffic issues within the city are constantly rising thereby increasing inconvenience for the commuters. By our module, we try to curb time lapse and scrutinize the traffic density and manage the traffic accordingly.



Projects/Innovations Selected for Funding/Grant Support

Project Title	GARBAGE COLLECTOR TROLLEY
Group Members	Mr. Muhammabdilal Mansuri
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Kamlesh Kadia

Abstract: I have worked on a project named as "GARBAGE COLLECTOR TROLLEY". My project is used to clean roughed, semi roughed and polished surfaces.

It can do 3 to 4 cleaning process simultaneously and there's no requirement of any fuel or any electric energy. It is a collector device as well as cleaning and transporting device which has a simple mechanism and easy to maintain.



Project Title	MECHANICAL OIL SPILL RECOVERY SYSTEM USING DISK SKIMMER
Group Members	Mr. Parth Panchal, Mr. Parth Dhruv, Mr. Nishad Dhapre, Mr. Yash Jani, Mr. Devarshi Tharawala, Ms. Priya Shah
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Vishal Acharya

Abstract: Oil is precious crude and used in a much routine application. During transportation, it is possible of accident and wastage of oil. This accident causes an oil spill in the ocean and harms marine life as well as it is wastage of one of the precious crude of the earth. Thus, a vital solution is required for cleaning the oil spill. We are representing one kind of solution using disk skimmer.



Projects/Innovations Selected for Funding/Grant Support

Project Title	INNOVATIVE HANDICAP WHEELCHAIR
Group Members	Mr. Nishant Panchal, Mr. Mayur Singane, Mr. Ashwin Baivaliya, Mr. Hardik Sokhadia
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Mitesh Arora

Abstract: Based on the literature review of referred research papers, it can be found that designs of existing in wheelchairs are not ergonomic because of its rigidness. Due to its rigidness, the accommodation capability of a wheelchair is low and its compactness is decreased. It cannot be accommodated into vehicle due to it. The aim of the project is to eliminate limitations of wheelchair design by modifying its frame design and seat design. After deciding the design, modeling will be done in CAD software.



Project Title	MODIFICATION OF ELECTRIC CYCLE FOR ADVERTISEMENT
Group Members	Mr. Rutul Patel, Mr. Faysal Patel, Mr. Yash Shah, Mr. Poojan Bhavsar
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Manish Patel

Abstract: The main objective of our project is to give the battery operated low-cost advertising cycle so that they don't need any efforts for driving the cycle they just have to drive it by an accelerator. In this project, our main focus is to optimize human efforts and to provide jobs to the handicapped (Physically disabled people). In this era of globalization advertisements are the most effective the way to attract the customers.



Projects/Innovations Selected for Funding/Grant Support

Project Title	BLINCKET
Group Members	Ms. Trishala Deliwala, Mr. Kintul Modi, Ms. Zeel Gajjar
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Prexa Parikh

Abstract: The aim of this device is to develop navigation aid for blind and visually impaired people. Its a jacket consisting of Micro-controller, Ultrasonic board and an Arduino board. The proposed system detects the obstacles via ultrasonic sonar system which is been computed in Arduino board and a sound output for the user is generated after the transmission of the signal from the board for informing their safety. This aid is to point out whether any obstacle is there or not and to take a safe decision.



Project Title	AUTOMATED STAIR CLIMBING TROLLEY
Group Members	Mr. Margiv Trivedi, Mr. Meet Gosaliya, Mr. Deep Desai, Mr. Dewrshi Patel
Branch	Mechanical Engineering
Institute Name	LJ Institute of Engineering & Technology
Project Guide	Prof. Abrarkhan Pathan

Abstract: We are mainly focused on developing the technology that can be used for handling the goods especially heavy parts on the staircase. Till now, Tri wheel technology was in use. But we develop a technology in which, the effort is minimum and used automatically to lift or lower the goods easily on stairs. Our project is widely useful for any industries. Because any industry involves transporting and handling large amount of materials. There is no technology which can be used for handling materials on staircase with minimum efforts.



LJ Campus, S. G. Road, Ahmedabad

- LJ Institute of Engineering & Technology (B.E., M.E.)
- LJ Institute of Management Studies (MBA)
- LJ Institute of Pharmacy (B.Pharm, M.Pharm)
- LJ Institute of Computer Applications (MCA)
- LJ Polytechnic (Diploma Engineering)
- New LJ Commerce College (B.Com)
- LJ Institute of Computer Applications (5 Year Integrated Programme)
- LJ Institute of Management Studies (5 Year Integrated Programme)
- LJ School of Architecture (B.Arch)
- LJ Academy of Radio Programming
- LJ Institute of Media & Communication
- LJ Institutes of Digital Media
- LJ Institute of Applied Sciences (B.Sc)
- LJ Institute of Physiotherapy
- LJ School of Law (LLB)
- LJ Knowledge Foundation
- LJ Overseas Education

LJ Campus, Vastrapur, Ahmedabad

- RJ Tibrewal Commerce College (B.Com, M.Com)
- LJ Institute of Business Administrations (BBA)
- LJ College of Computer Applications (BCA)
- LJ Institute of Professional Education
- LJ Pre-Primary /Secondary School
- LJ IGNOU Study Centre

LJ START-UP WEEK 24x7 2018

5

ANTRAPRENEUR THE BUSINESS INCUBATOR

(Conversion into Start-up and Support for Market Ready Product)

4

LJ INSTITUTE OF INNOVATION & ENTREPRENEURSHIP

(Finishing School for Selected Projects with Prototype Funding)

3

START UP WEEK 24x7

(Technical / Business Mentoring and Pitching for Final Selection)

2

LJ INNOVATION VILLAGE

(Project Exhibition & Evaluation by Technical / Business Mentors)

1

STUDENT PROJECTS/INNOVATIONS

(Real Time Need Based)

60+ Projects

50+ Business Mentors

50+ Industrial Mentors

20+ Projects to be funded

SUPPORTED BY



STUDENT START UP
AND INNOVATION
POLICY

DEPARTMENT OF EDUCATION
GOVERNMENT OF GUJARAT



NewGen IEDC
DEPARTMENT OF
SCIENCE & TECHNOLOGY
GOVERNMENT OF INDIA



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