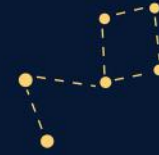




**Opencube Labs**  
*"Inspiring Space Technologies"*

<http://ocl.space>



Opencube labs is a research and development organisation that strives to reach young minds of our country through forums that can bring interaction with pioneers. Workshops are held to promote research and learning by providing hands-on experience on training kits. The experience gained from Opencube Labs programs can be a seed of motivation for science and research in future.



<http://ocl.space>

# Team



## Suraj Jana, Founder

He is an alumnus of BMS Institute of Technology & Mgmt. who co-founded three other start-ups into the sectors of health care, education and event management. He has been a winner in the Nasa International space challenge and is the ambassador of NSSC, ISRO. He is a technologist by passion and has been working on various projects dealing with AI, Data Analytics, Cybersecurity, responsive web apps and hybrid apps. He is one of the lead and community member of Rhok, opendatahack.org and promotes the development of open source technology. He is an advisor for Melange Foundation and World Merit India.



<https://www.linkedin.com/in/surajjana>

## Advisors



**Dr. Badari Narayana K**  
Ex-ISRO Scientist



**Dr. Thippeswamy G**  
PhD in AI & Image Processing

<http://ocl.space>

# Our Journey

Team was winner of NASA International Space Challenge & started The CQUARA Project

**2014**

Started partnering with premium Institutes in country, IITs, MIT & MNCs. Operations extended PAN India.

**2016**

**2015**

Currated CanSat Development Program(CDP) & Space Technology Awareness Program(STAP). Started Operations in Karnataka.

**2017**

opendatahack.org a non-profit initiative started formally, STEM programs for schools & later by year end OCL E-store will be started.

**2018**

Projects in pipeline : Environment Monitoring System, Automated Drones, Agriculture automation, sounding rockets, digital portal & lot more.

# The CQUARA Project

## Coastal-Quake-Alert-Response-and-Analytics (CQUARA)

This project is a design solution to alert members in a remote coastal community of an earthquake that has occurred in its broad vicinity, so they may spread the word and prepare to take precautions against a probable Tsunami. Further, we explore techniques to find patterns from mini-quakes occurring in the recent past to reasonably predict a major occurrence. Our solution is tailored keeping in mind communities that experience no or intermittent connectivity to the Internet or GSM networks.

The project is now made open source and community is managing it. This was initiated by Suraj & Sharath.



Suraj



Sharath, Researcher at CIS

# Our Services



## PRODUCT DESIGN & DEVELOPMENT

Opencube Labs offer end-to-end solution to design, develop and test products which are future ready and built with latest technologies.



## RESEARCH CONSULTANCY

We do research and project consultancy at all levels. Collecting, analysing and presenting data. We work in domains of Machine Learning, Deep Learning, Cloud Computing, Cyber security, Image Processing and Blockchain.



## TRAINING PROGRAMS

We have state-of-the-art curated training programs for all age groups from schools to colleges. Our training programs comes with state-of-the-art training kits and international standard verifiable digital badges. The training topics include : Python programming, web development, artificial intelligence, microcontrollers, cloud computing, cyber security, etc.

# Our Signature Programs



## SPACE TECHNOLOGY AWARENESS CAMP (STAP)

STAP is a one day camp implementing theoretical and practical knowledge in building applications. Participants indulge in small scale missions with their intellect. Various activities such as parachute designing, water rockets, building space pen, space vehicles etc are conducted.



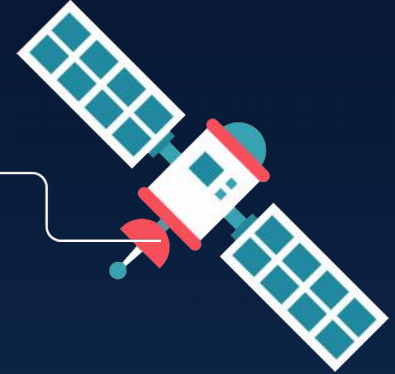
## STAR PARTY

Participants are taken on a journey to the sky and deep outer space. They can sit back and observe the constellations, celestial bodies and satellites. This would be a great start into the world of amateur astronomy.

## CANSAT DEVELOPMENT PROGRAM (CDP)

This workshop focuses to build and launch satellites using soda cans (CanSats).

The aim of the program is to explore a space mission and build a satellite within a classroom.



## OPEN HARDWARE : ELECTRONICS FOR ALL

A program designed to make young minds start prototyping real world solutions using components-of-the-shelf and open hardware.







# Open Data Hack



Open data hack is a collaborative effort in solving day to day difficulties faced by local communities, civic bodies and non profit institutions. Technologists, designers, innovators and government bodies with great social insights come aboard for a day together to build technology based solutions availing enormously accessible free open data.

Open Data Hack is a global community and is now looking forward to encouraging young minds to get into problem solving the practical way and become more responsible citizens of future.

Know more here : <https://www.opendatahack.org>

<http://ocl.space>



# Opencube Labs in Press



Opencube Labs has been doing a nice job and growing their community. Their work has been recognised by national and global press, the following are few to mention



Cover video by The Better India : [Click here for Youtube link](#)



<http://ocl.space>

# Our Partners



<http://ocl.space>





# Reach Us



**hello@ocl.space**  
**+91-8553236639**  
**fb.com/opencubelabs**  
**@opencubelabs**

# THANK YOU

<http://ocl.space>