



“A story has no beginning or end”
The journey of Aravinth



Aravinth Panch

An interdisciplinary expert with 17+ years of global experience in science, engineering, arts and sustainability, with the core expertise in research, development and production of electro-mechanical embedded systems and digital products.

me@aravinth.info

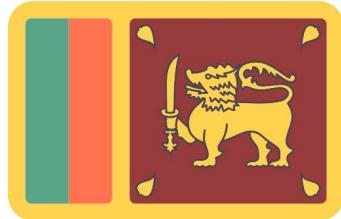
www.aravinth.info

www.araCreate.com

7		120+
2		10M+
8		30K+
4		1.5M+
23		50+



Work & Life



50+ countries



Education





Research Experience



Telecommunication
Networks Group **TKN**





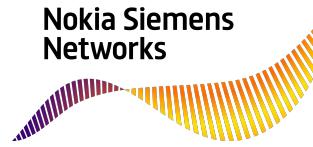
Corporate Experience



TATA CONSULTANCY SERVICES

Infosys

Nokia Siemens
Networks





StartUp Experience



smart^b

SE\IC



Motor**Skins**



Founding Experience





Affiliated Networks



- GERMAN
- HARDWARE
- STARTUPS



Senatsverwaltung
für Wirtschaft, Energie
und Betriebe

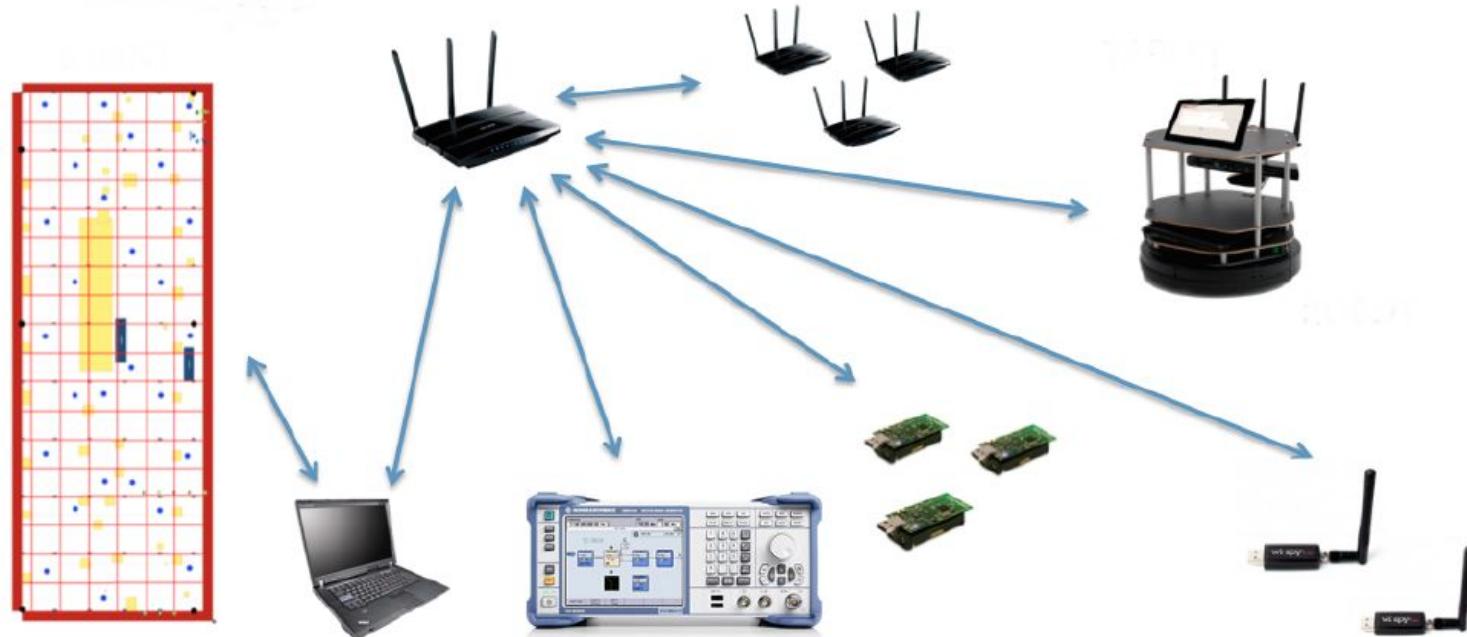


Innovations Around The World

A yellow circle containing two black double quotes (" ") is positioned at the bottom center of the slide, connected by a thin vertical line to the bottom edge.



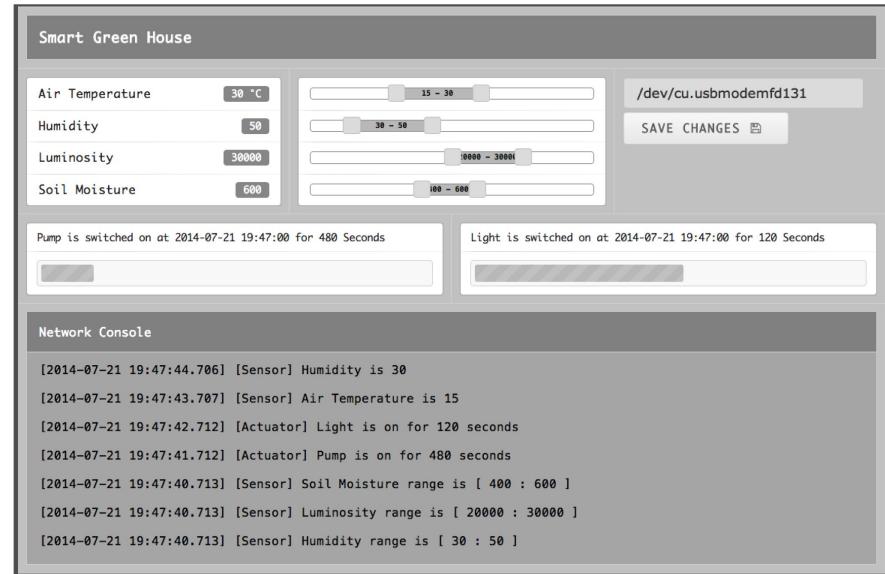
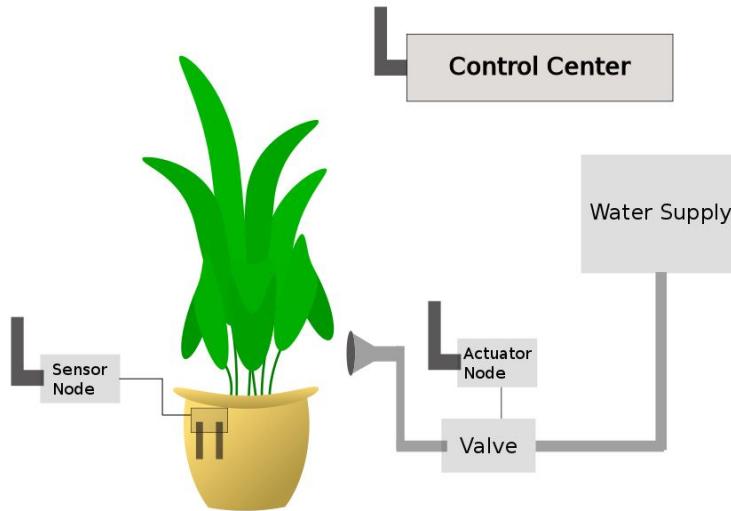
Research : Indoor Localisation





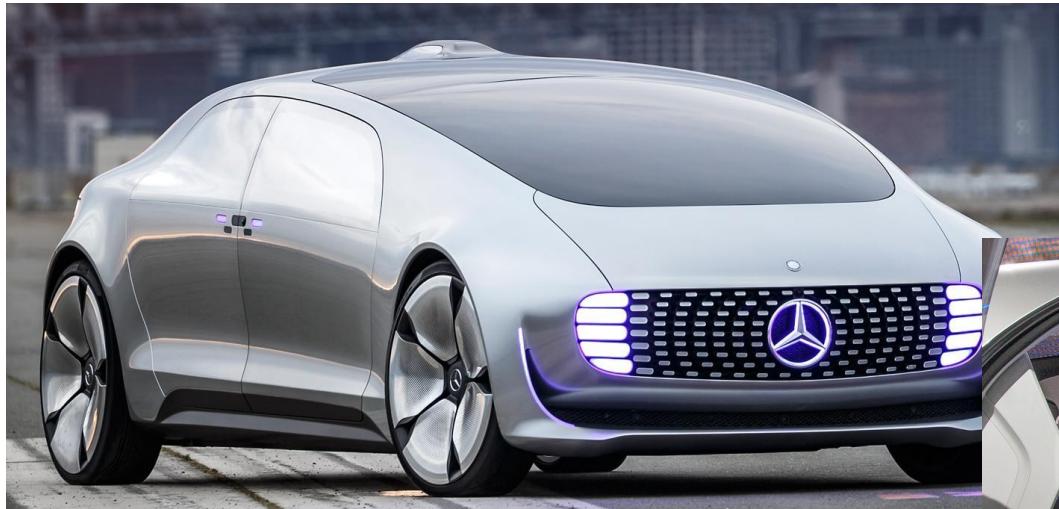
Research : Smart Greenhouse

Smart Green House





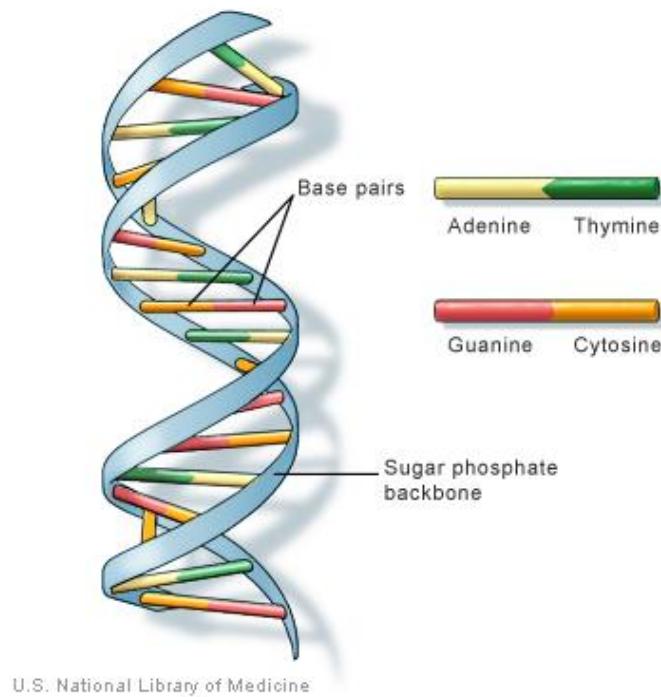
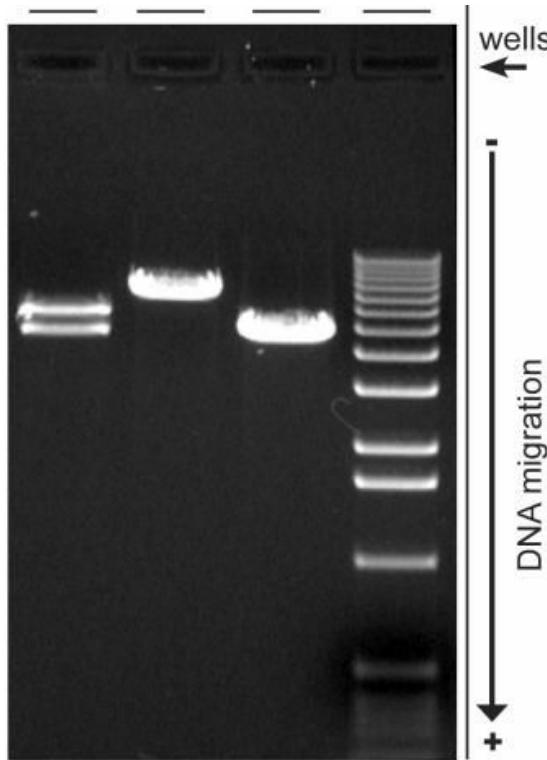
Research : Autonomous Mercedes



[disi: aiti:]
Daimler Center for
Automotive Information Technology Innovations

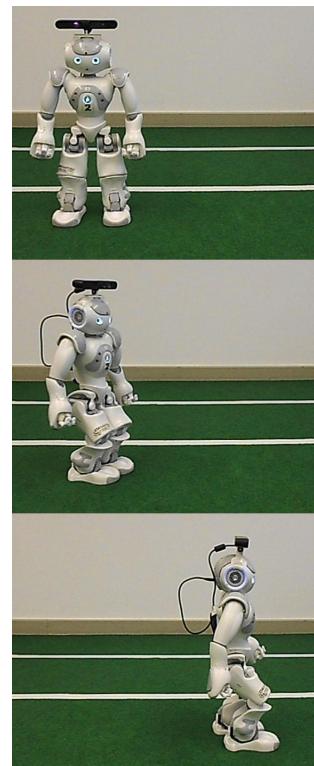
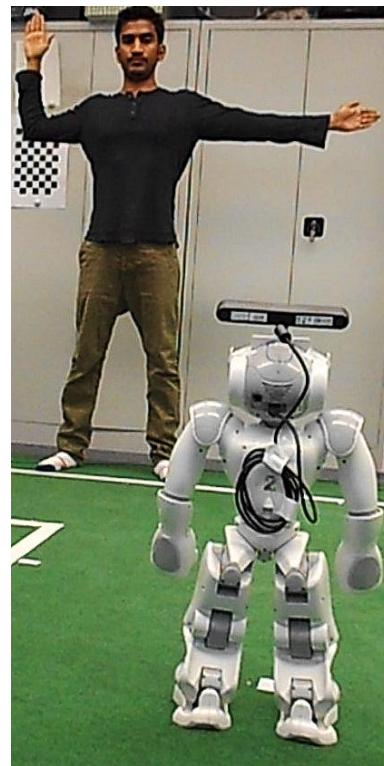


Research : DNA Biometrics



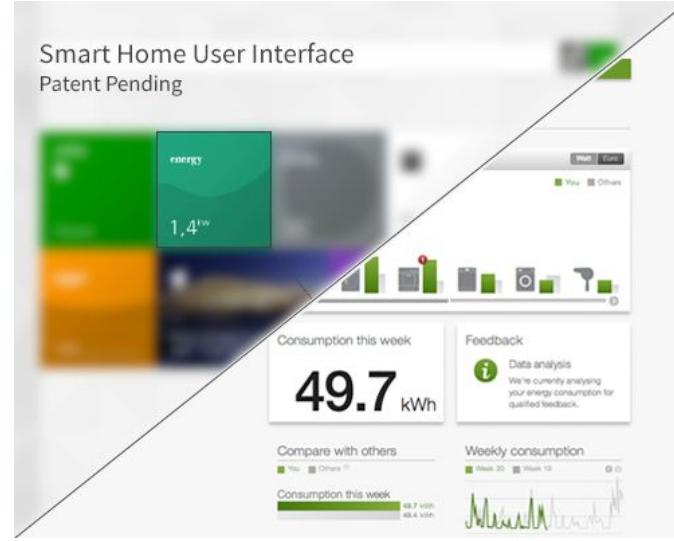
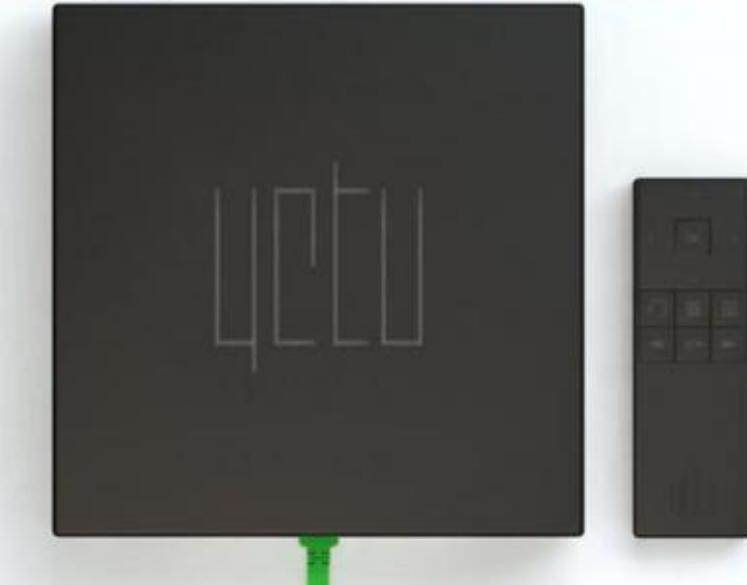


Research : Human-Robot Interaction



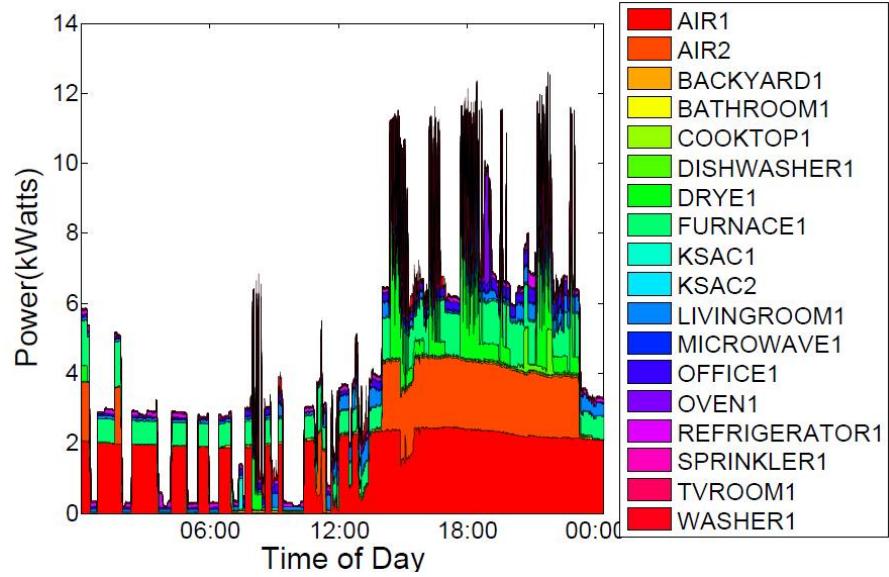


Product : Smart Home Gateway





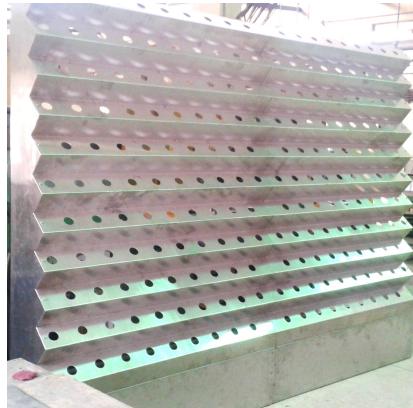
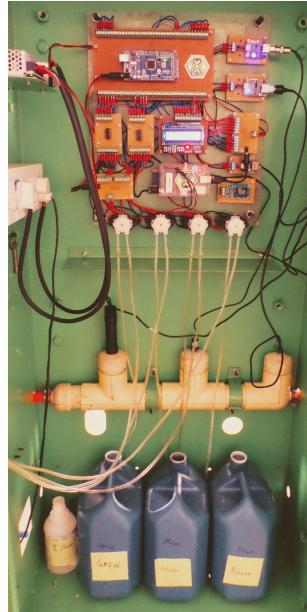
Product : Nonintrusive Load Monitoring



smar³



Product : Alternative Farming





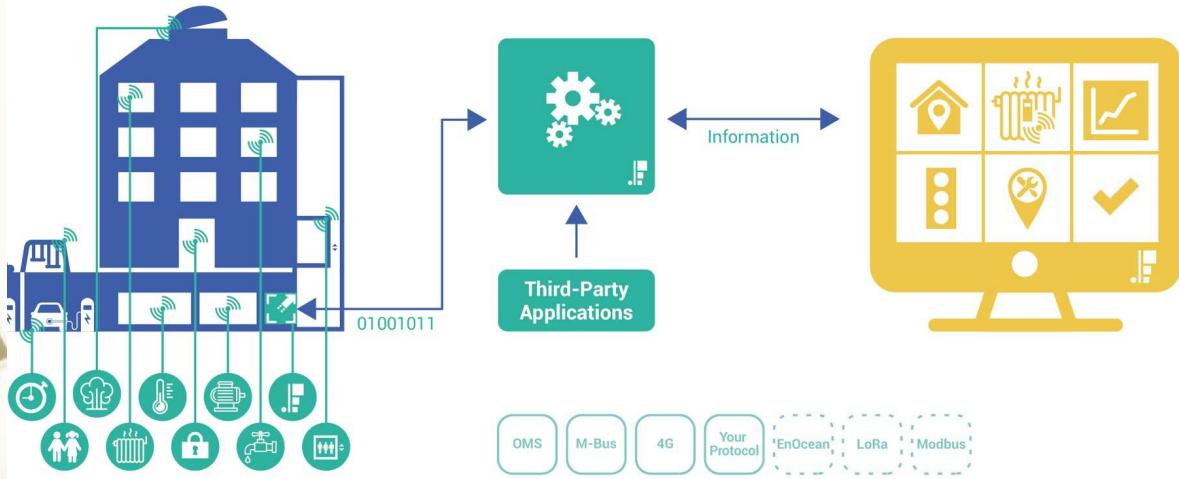
Product : Natural User Interface



SE\IC



Product : Smart Metering Gateway



 metr

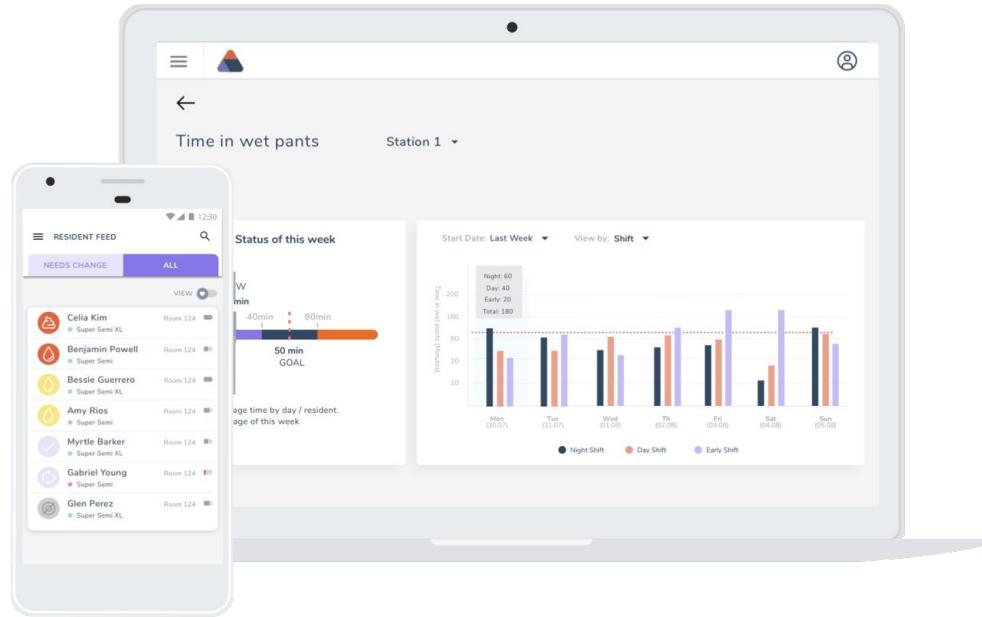


Product : Water Quality





Advisory Product : Smart Diaper



ASSISTME



Advisory Product : e-Retrofitting



OCCUPY ⚡ CARS



O ⚡ C



Advisory Product : Soft Exoskeleton

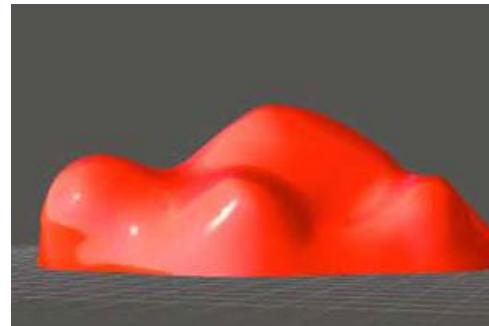


Motor**Skins**

Source : <http://www.motorskins.com>

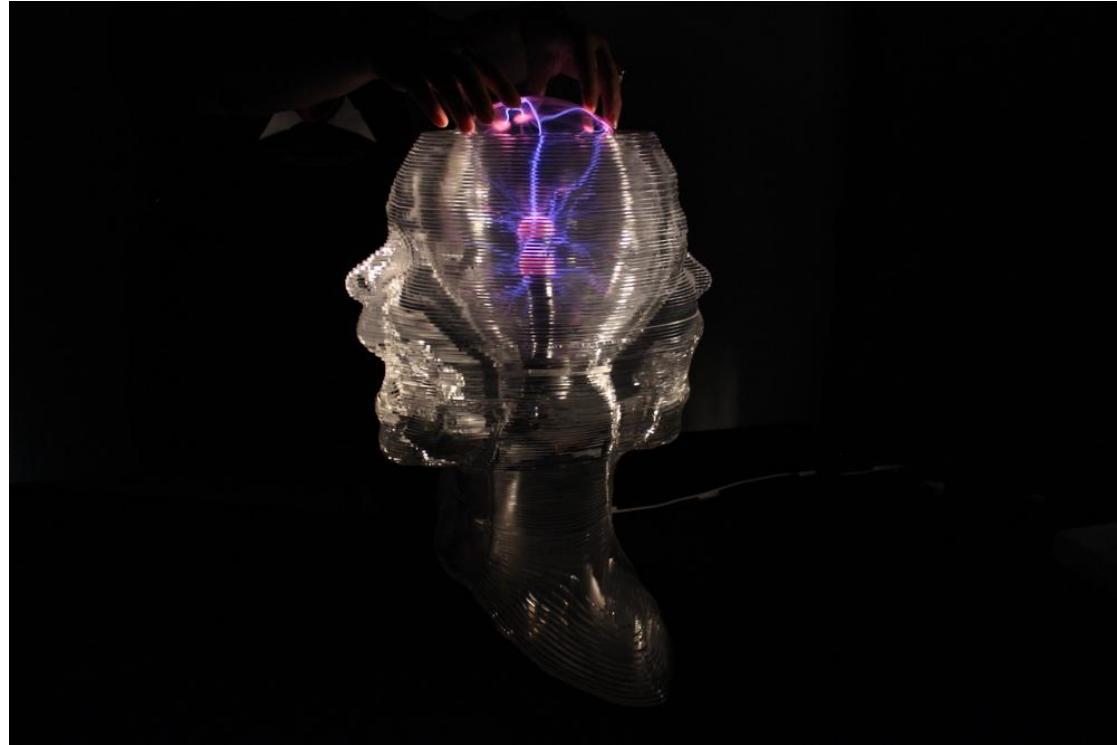


Art : Heart Of The City



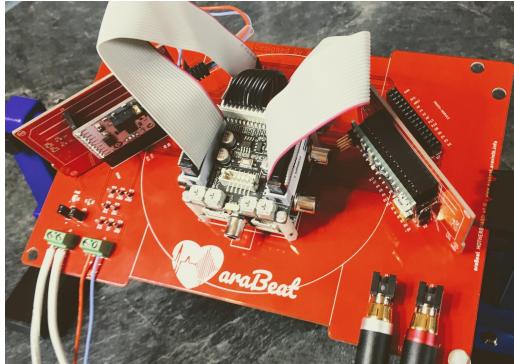
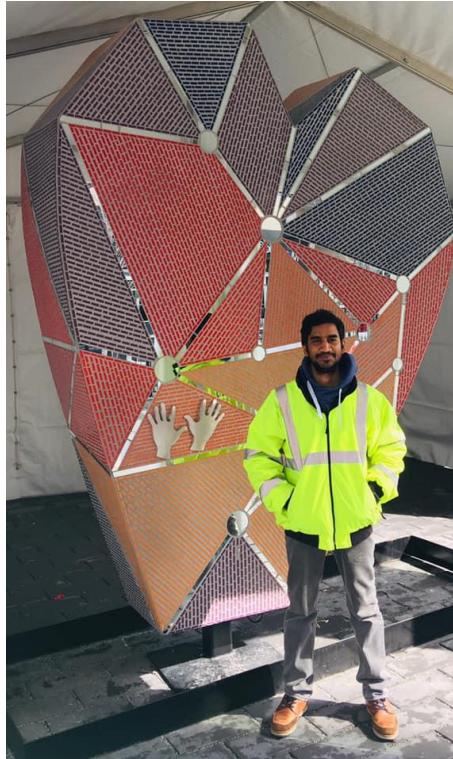


Art : Confusion





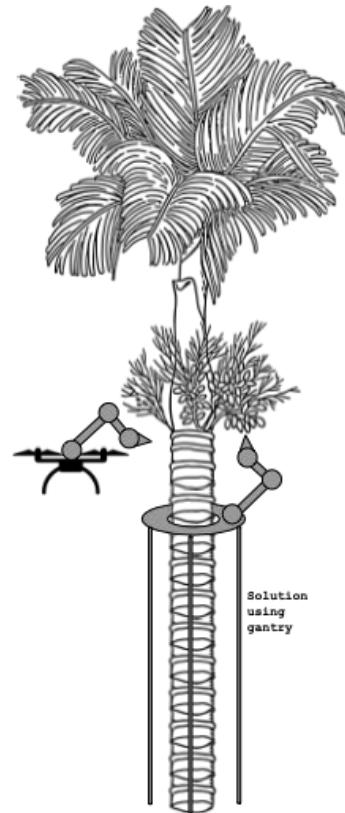
Art : araBeat





Research : Plantation Maintenance

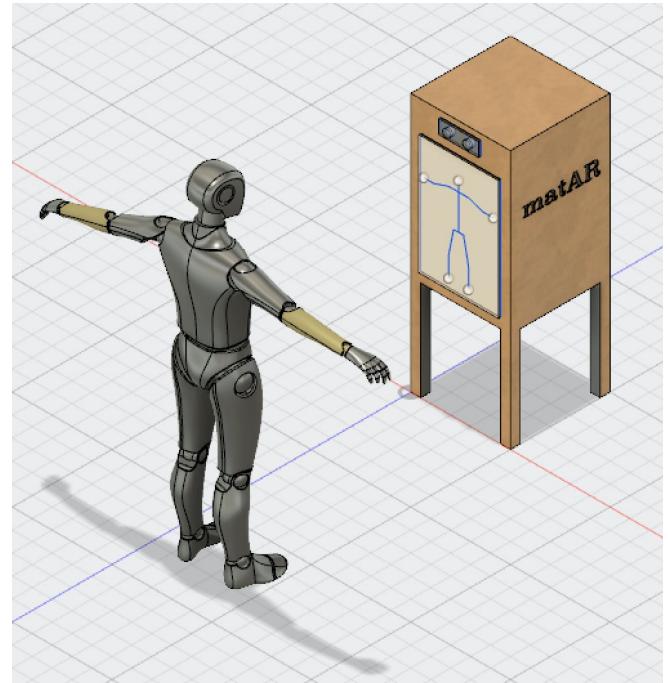
Smart Automated Areca Nut Plantation Maintena nce System





Research : matAR

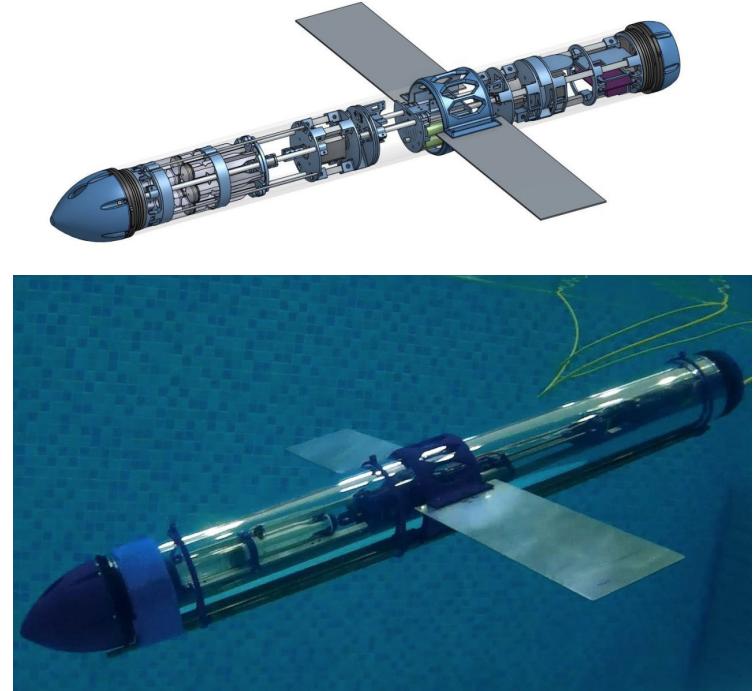
Interactive framework
for real-time analytics of
anatomical landmarks of
human-body





Research : Underwater Glider

An autonomous
underwater vehicle to
keep an eye on our Blue
Ecosystems



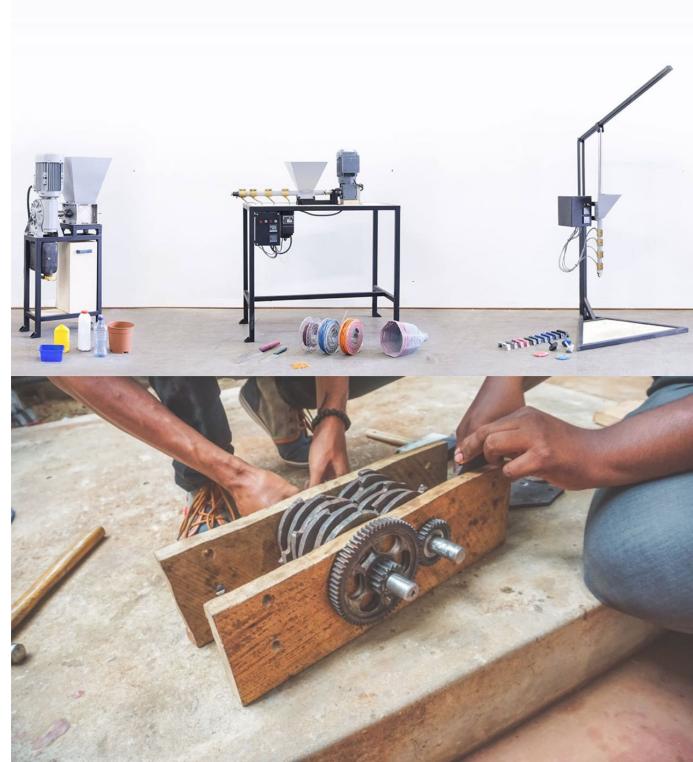


Research : Circular Plastic

An interactive installation to create environmental and health awareness



Source : <https://dreamspace.academy>, <https://preciousplastic.com>





COVID-19 : CoronaBot

ChatBot in Tamil to
get real-time
answers regarding
COVID-19



Source : <https://dreamspace.academy>, <https://preciousplastic.com>

DreamSpace CoronaBot

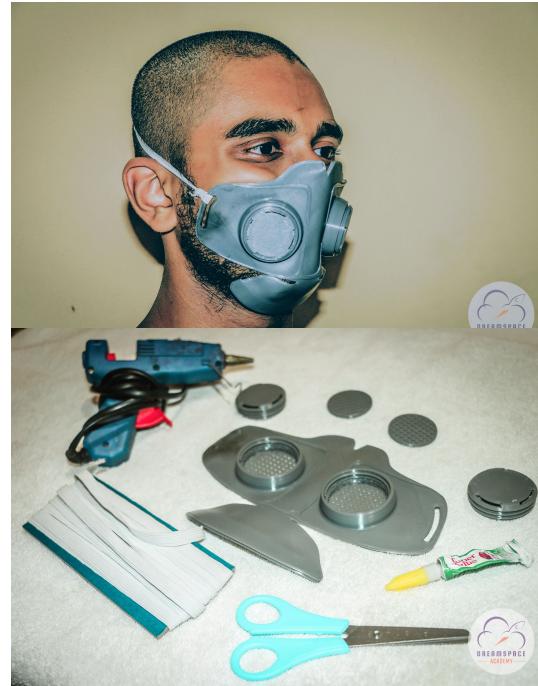
இலங்கை தமிழர்களுக்கு உடலுக்குடன் கொரோனா நோய்க்கிருமி சம்பந்தமான தகவல்களை அறிய 24 மணி நேர சேவை மட்டக்களப்பில் இருந்து சேவையை வழங்குவது
DreamSpace Academy

CHAT LIVE



COVID-19 : Respirator Mask

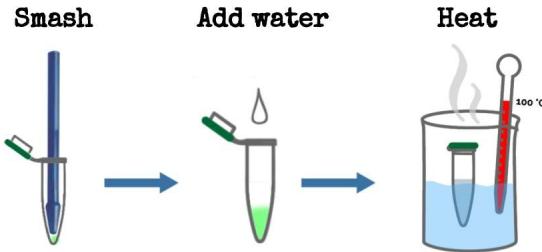
3D Printable antiviral
& antibacterial
respirator mask





COVID-19 : Rapid Test Kit

2. Extremely Simple DNA extraction:



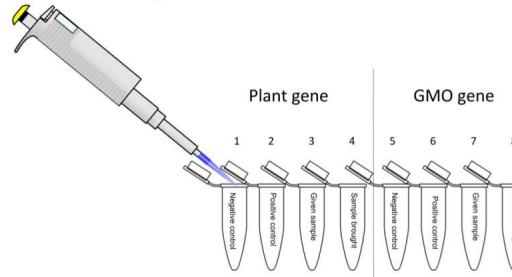
4. Keep at ~63°C for around an hour

There are many simple ways to do this!



3. Transfer the DNA to the test tubes

Along with positive and negative controls



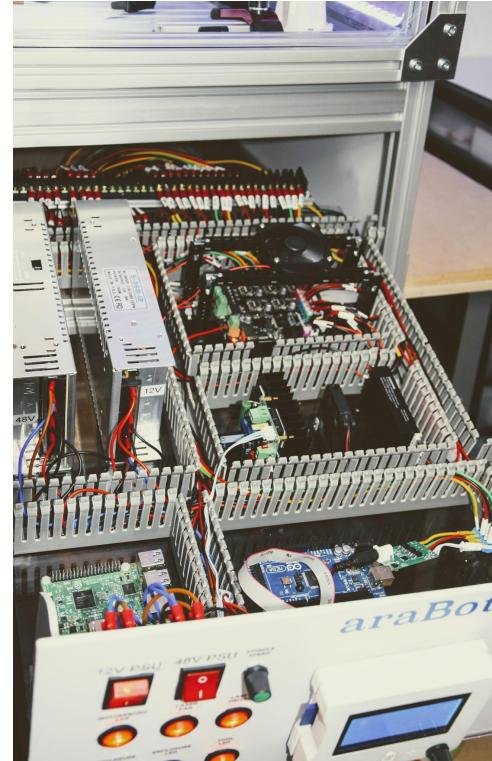
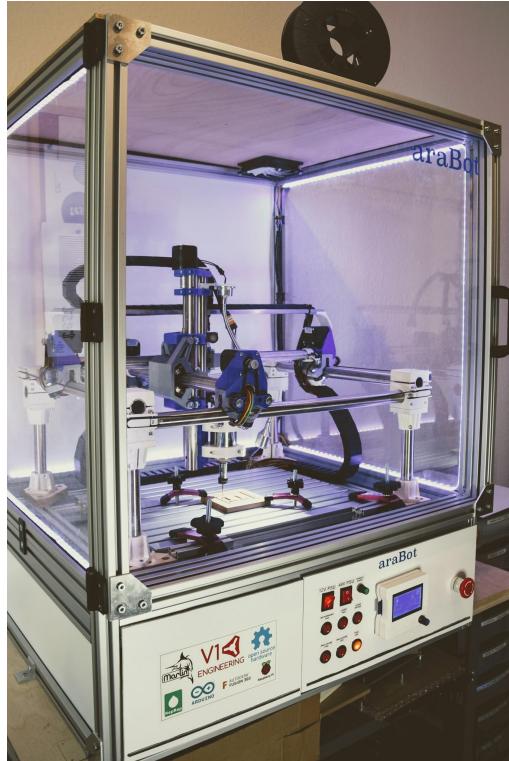
5. Read the fluorescent results

With our incredibly affordable and easy to build open hardware detector



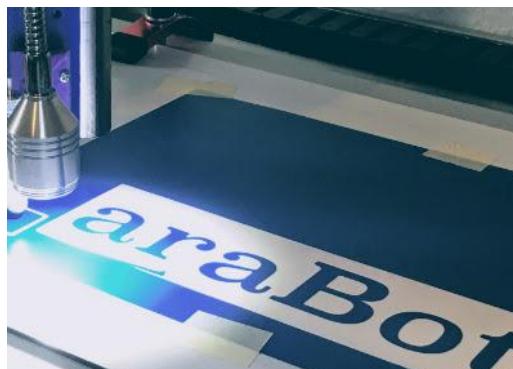


Project : araBot





Project : araBot





Organisation : MotionLab Berlin



Source : <http://motionlab.berlin>, <https://open.hpi.de/courses/prototype2019/items/2WKmMSFCy9uTwZsOafI9im>

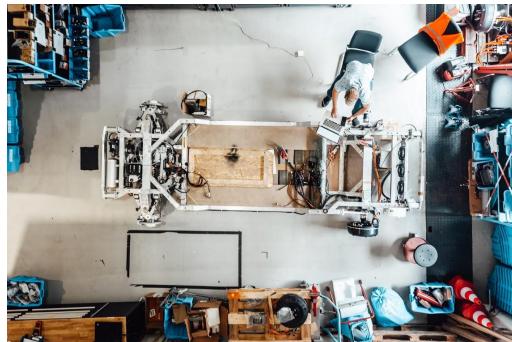


Organisation : MotionLab Berlin



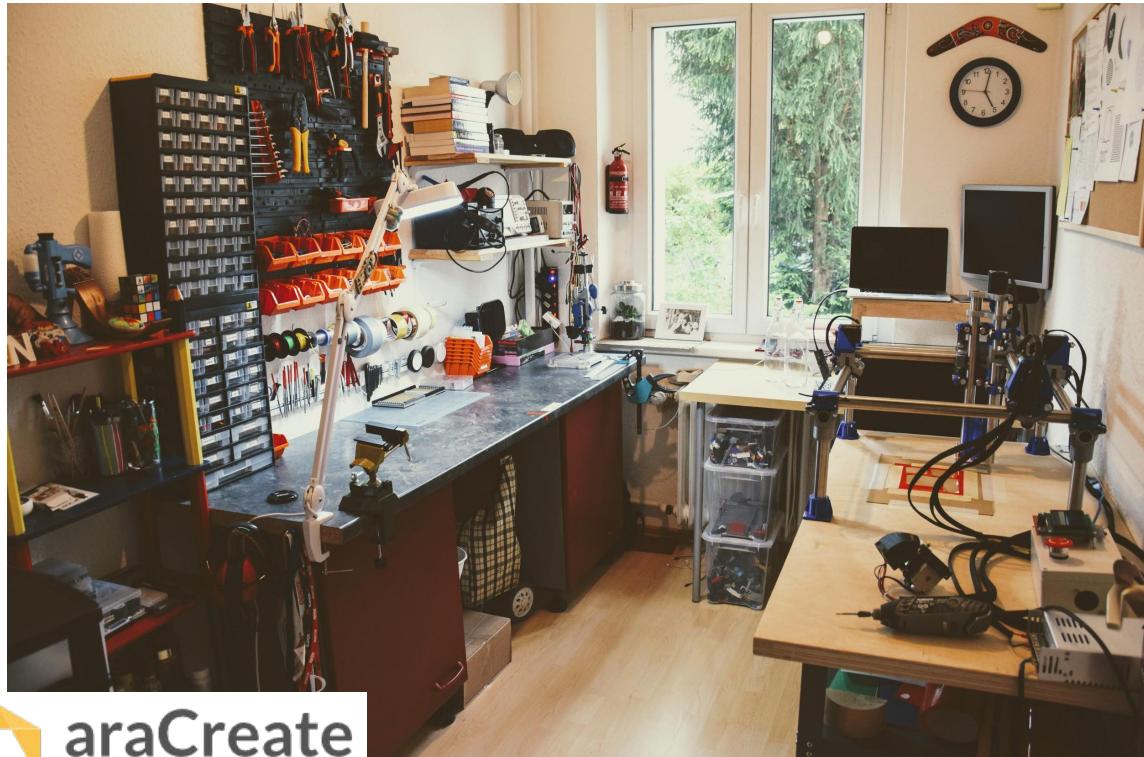


Organisation : MotionLab Berlin





Organisation : araCreate





Organisation : DreamSpace Academy





Thank You