

CONCEPT ACADEMY ALUMNI WEBINAR



How to build skills using
project-based learning

Friday, October 1, 8.00 PM IST

www.sarw.life



भाग 1

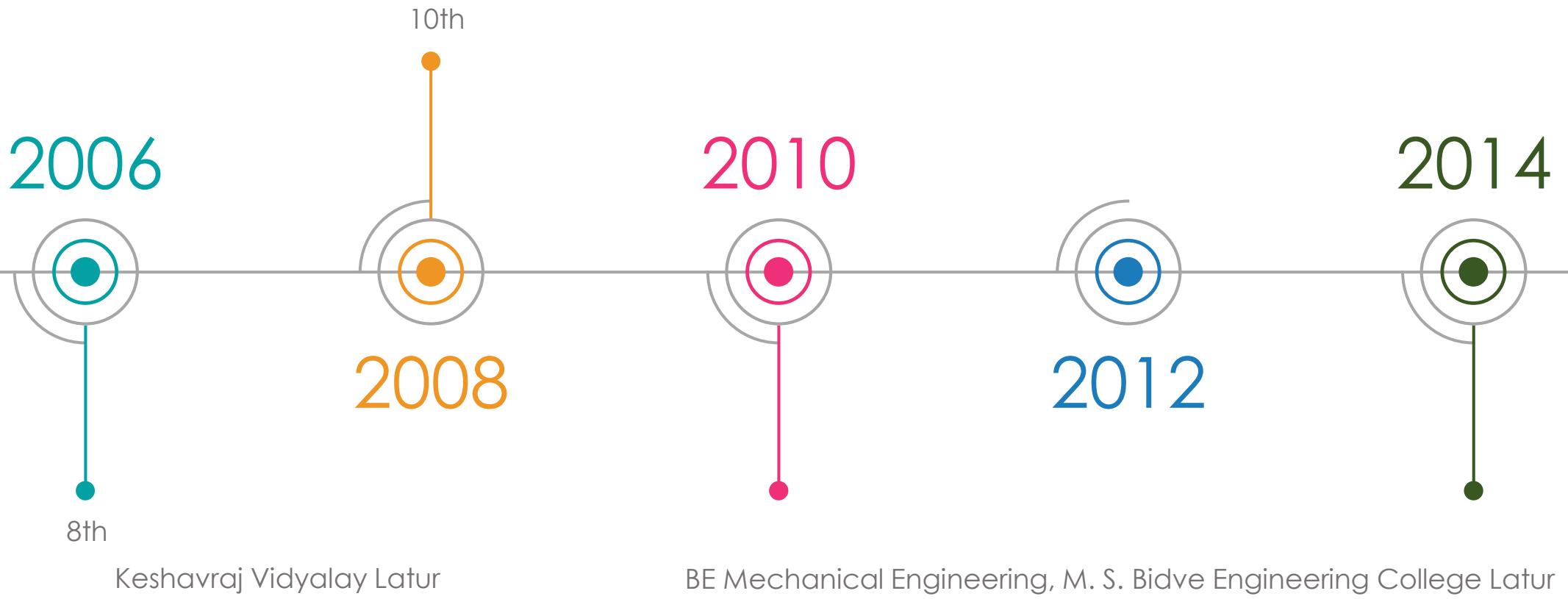
Background

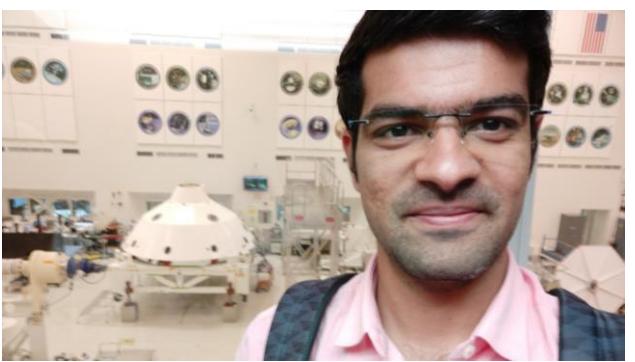


भाग 2

Project based skill development

Shatad Purohit





Master of Science in Systems
Architecting and Engineering,
University of Southern California

2014



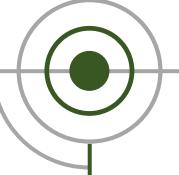
2016

R&D Quality Assurance Engineer, Dassault Systèmes

2018



2021



2020

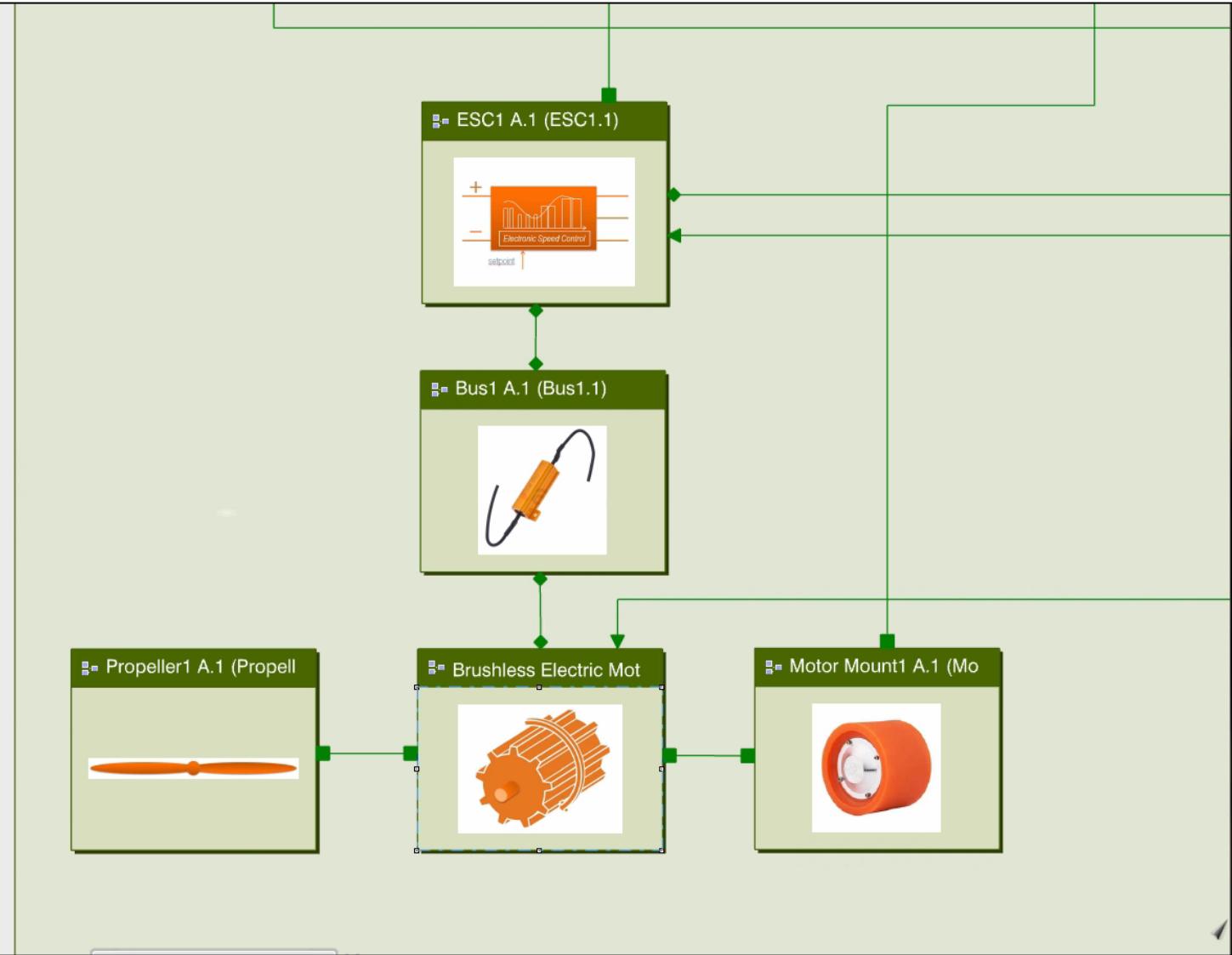
Ph.D. in Astronautical Engineering
with Specialization in Systems
Architecting and Engineering,
University of Southern California

All the information presented in the webinar is in public domain

Views presented in the webinar are of presenters and do not represent any other entity.



Research: Systems Architecture



- S. Purohit and A. M. Madni, "A Model-Based Systems Architecting and Integration Approach Using Interlevel and Intralevel Dependency Matrix," in IEEE Systems Journal, doi: 10.1109/JYST.2021.3077351.
- A. M. Madni, S. Purohit, D. Erwin, and R. Minnichelli, Analyzing Systems Architectures using Inter-Level and Intra-Level Dependency Matrix (I2DM), submitted to 2019 IEEE International Conference on Systems, Man and Cybernetics, Bari, Italy.
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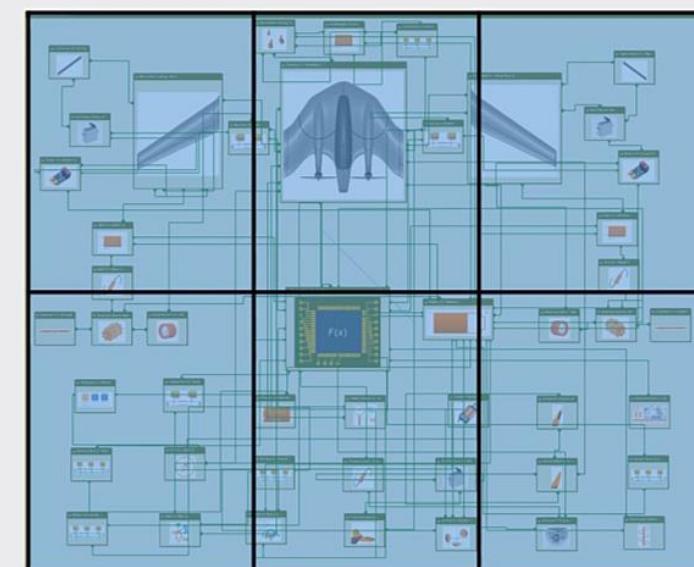
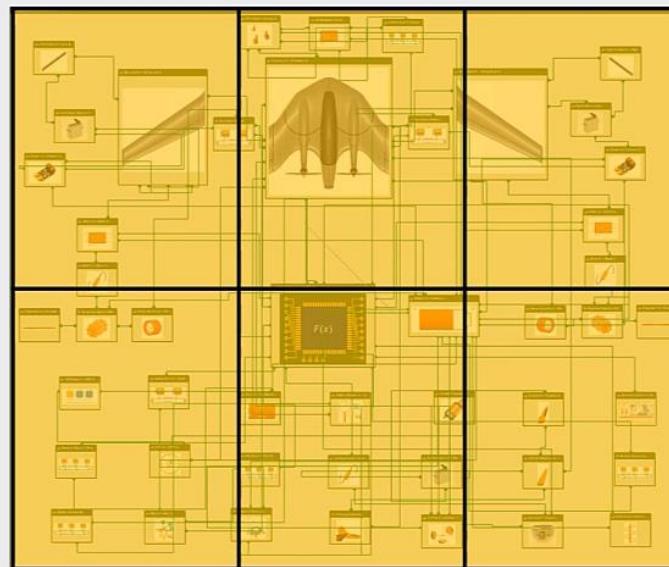
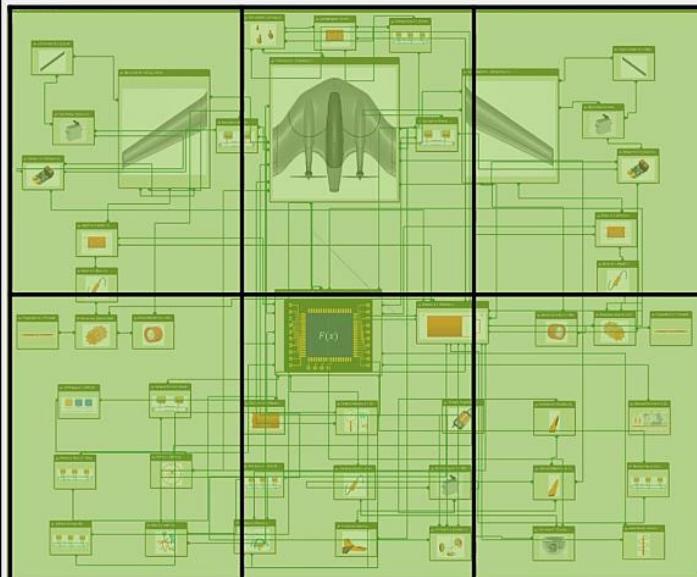
How to best divide the work within a team?

एक टीम के भीतर काम को सर्वोत्तम तरीके से कैसे विभाजित करें



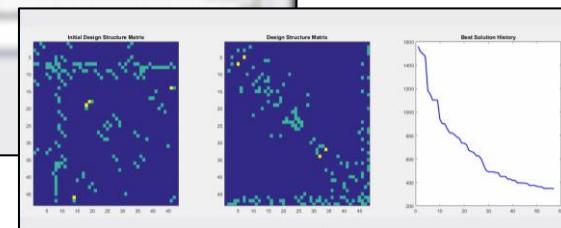
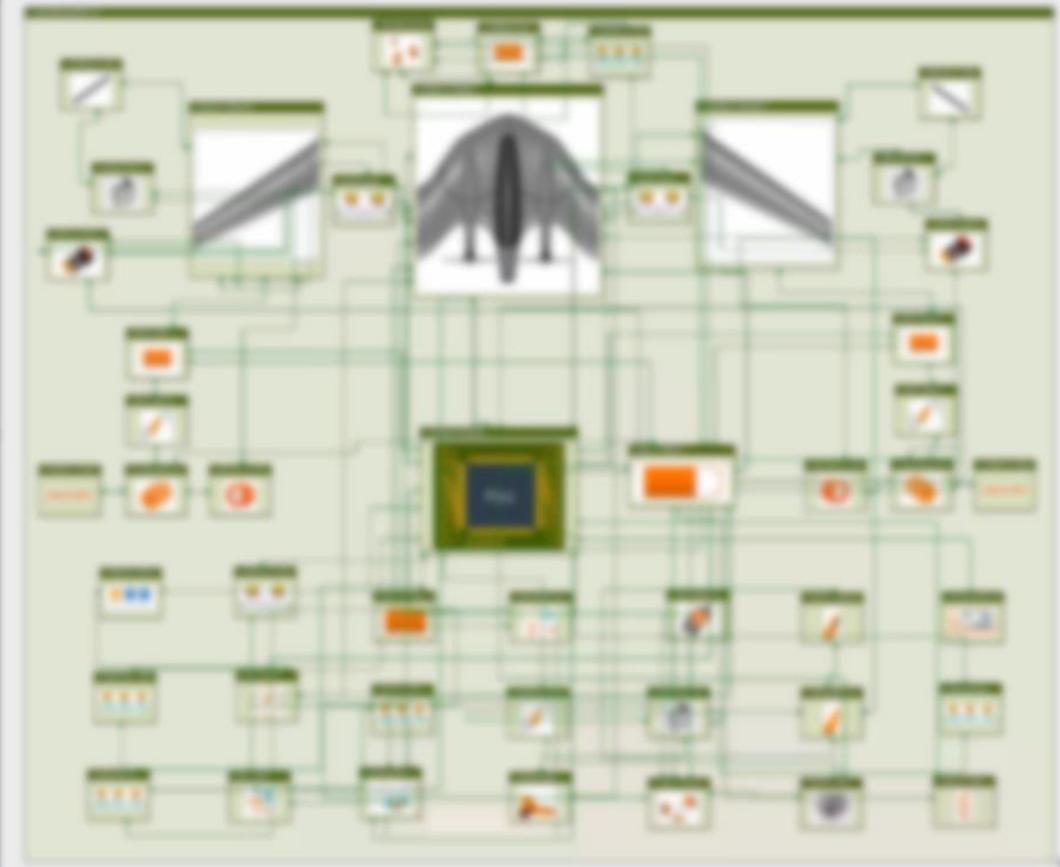
Research: Systems Architecture

What is best approach to divide?



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- A. M. Madni, S. Purohit, D. Erwin, and R. Minnichelli, Analyzing Systems Architectures using Inter-Level and Intra-Level Dependency Matrix (I2DM), submitted to 2019 IEEE International Conference on Systems, Man and Cybernetics, Bari, Italy.
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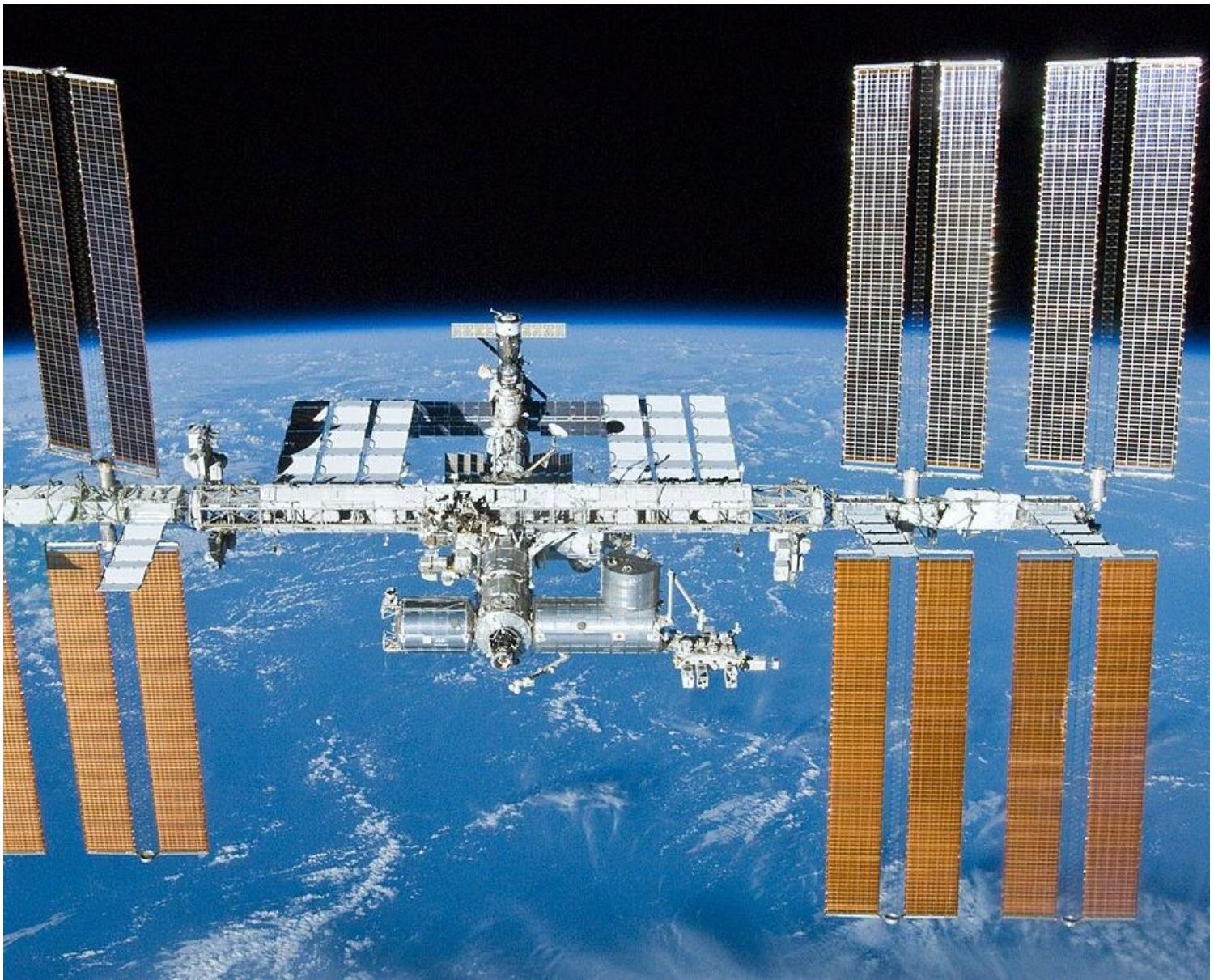
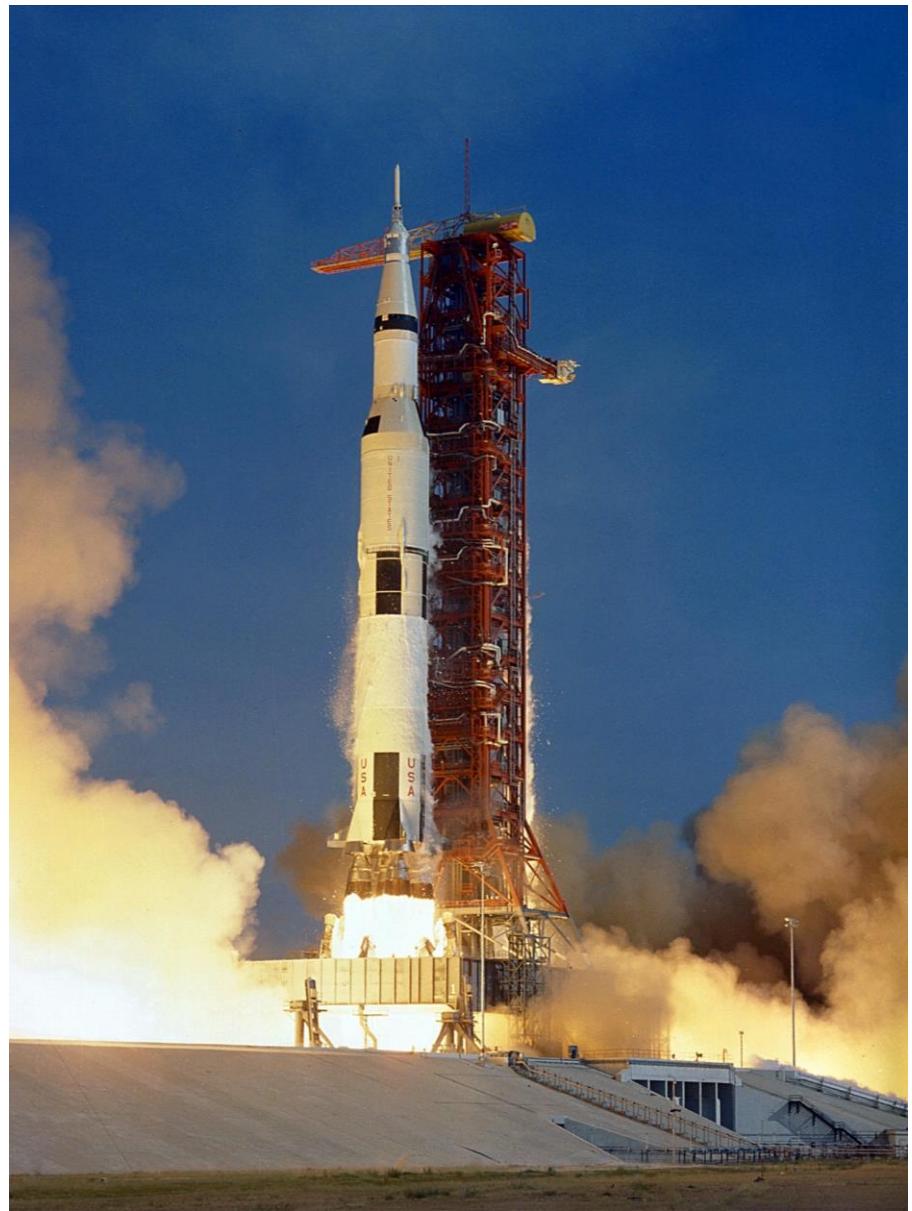
Research: Systems Architecture



- S. Purohit and A. M. Madni, "A Model-Based Systems Architecting and Integration Approach Using Interlevel and Intralevel Dependency Matrix," in IEEE Systems Journal, doi: 10.1109/JSYST.2021.3077351.
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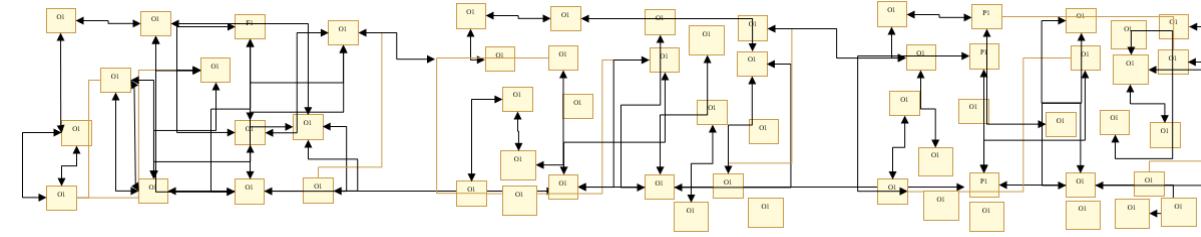
Computers can help decide how to partition complex systems

कंप्यूटर जटिल सिस्टम को विभाजित करने का निर्णय लेने में मदद कर सकते हैं

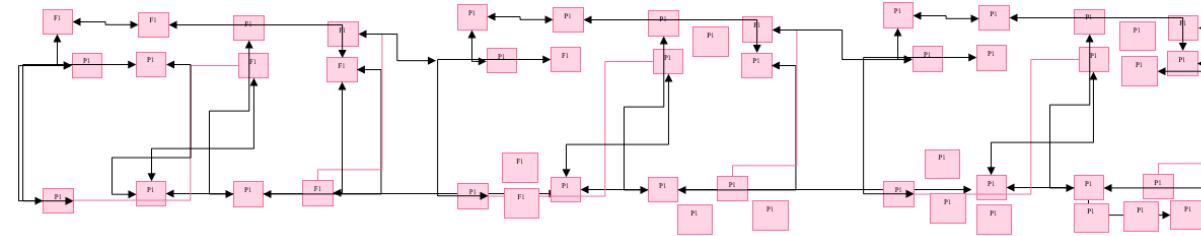


Saturn V: Architectural Partition

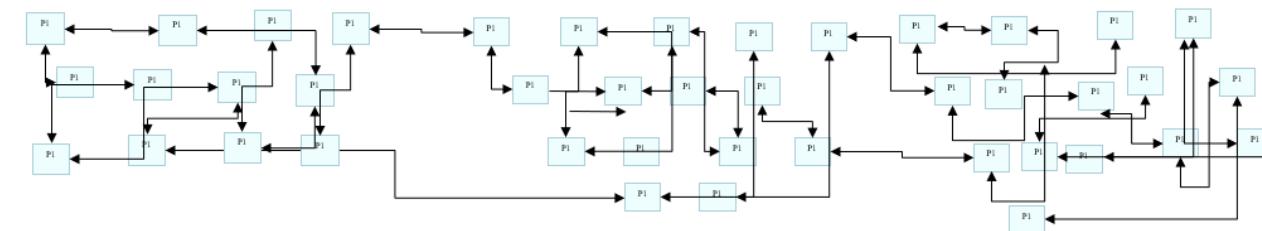
Operational
Architecture



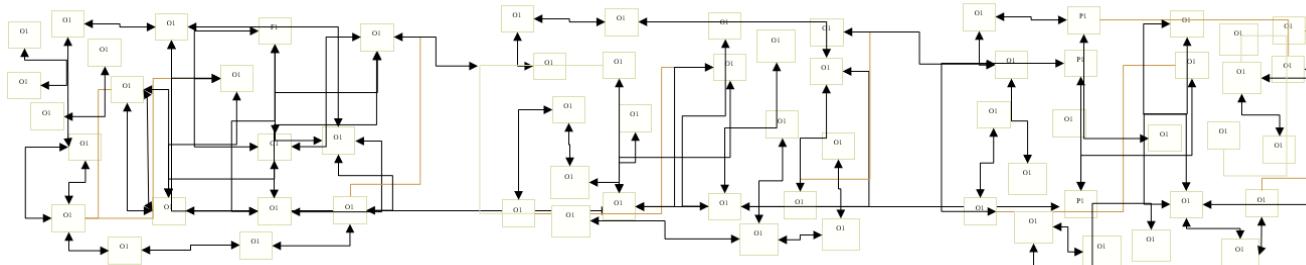
Functional Architecture



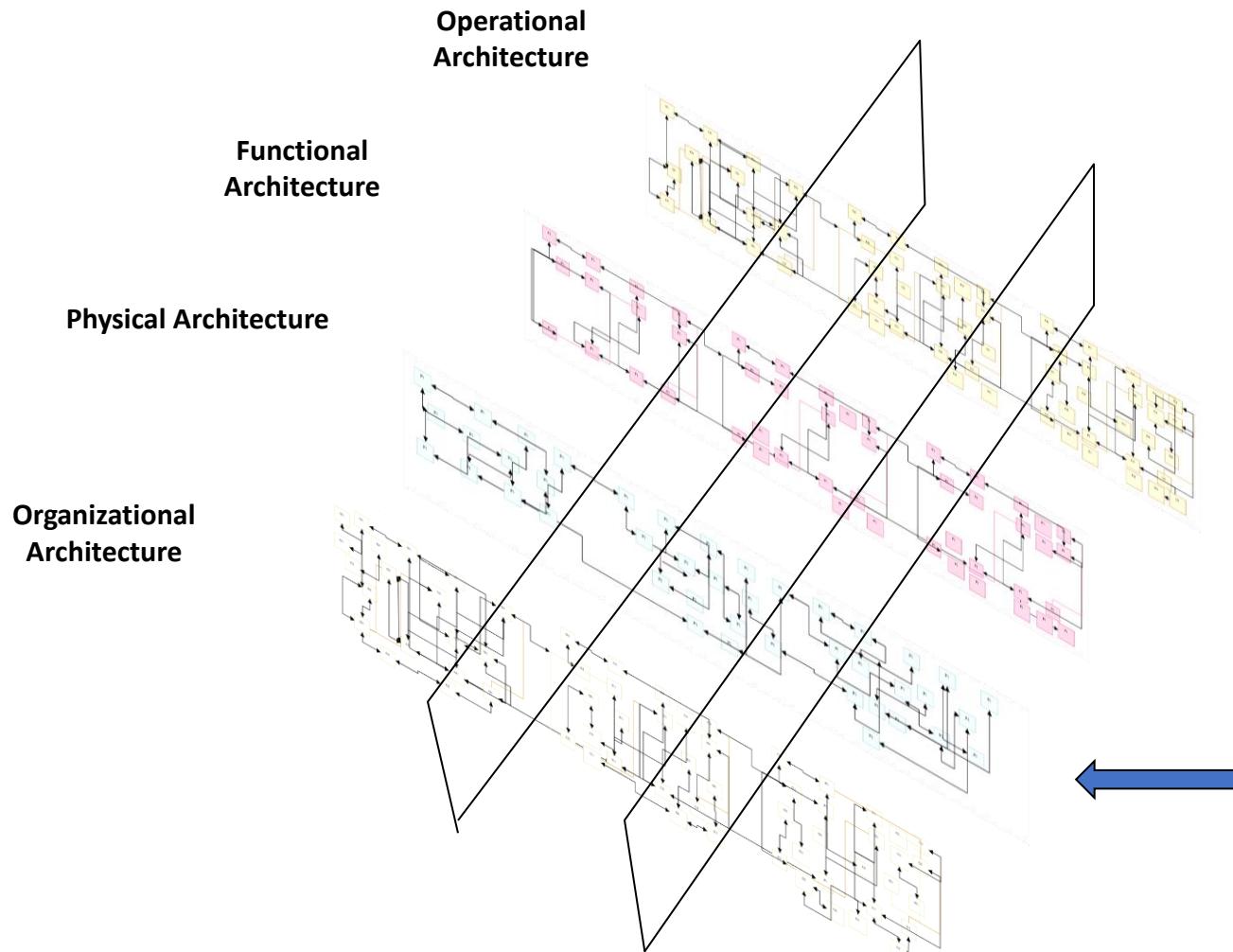
Physical Architecture



Organizational
Architecture

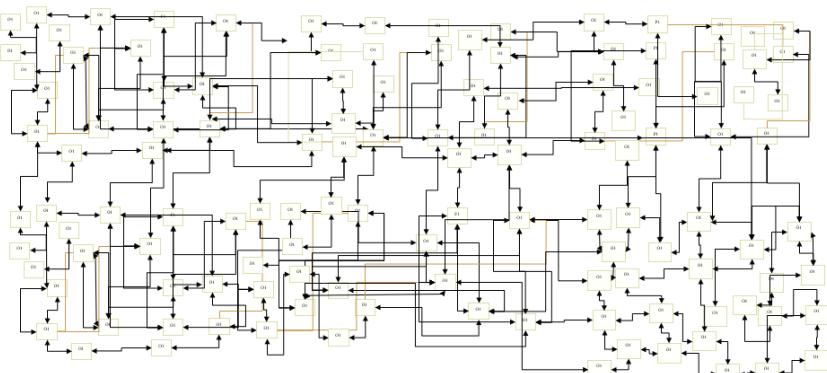


Saturn V: Architectural Partition

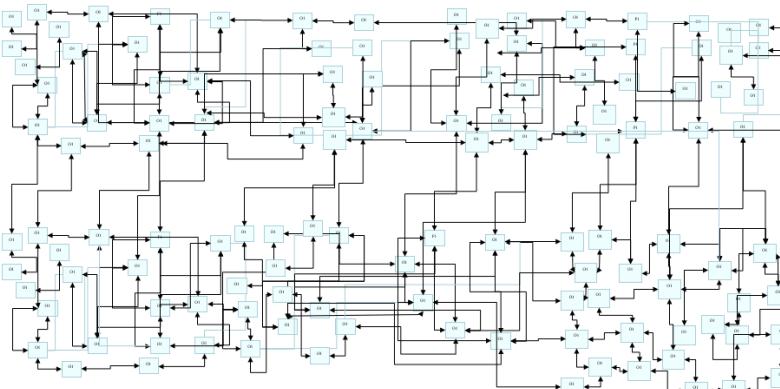


- S. Purohit and A. M. Madni, "A Model-Based Systems Architecting and Integration Approach Using Interlevel and Intralevel Dependency Matrix," in IEEE Systems Journal, doi: 10.1109/JYST.2021.3077351.
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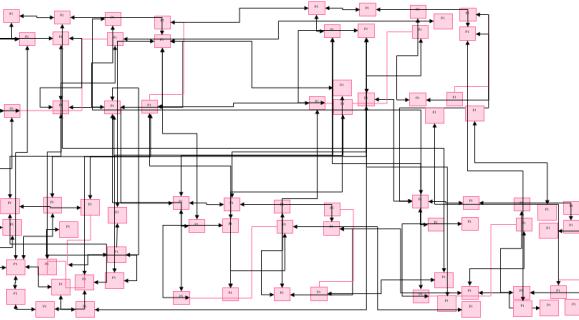
Space Station Freedom: Architectural Partition



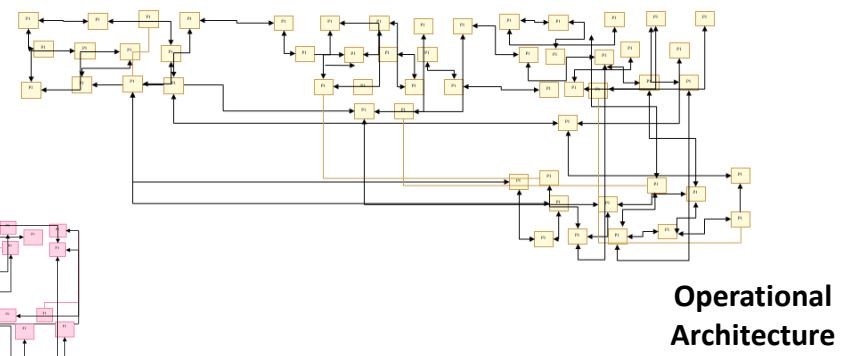
Organizational
Architecture



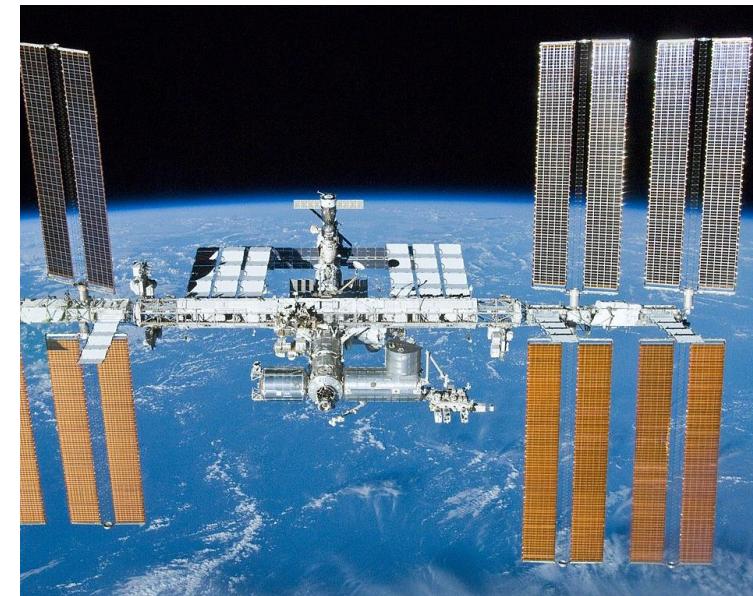
Physical Architecture



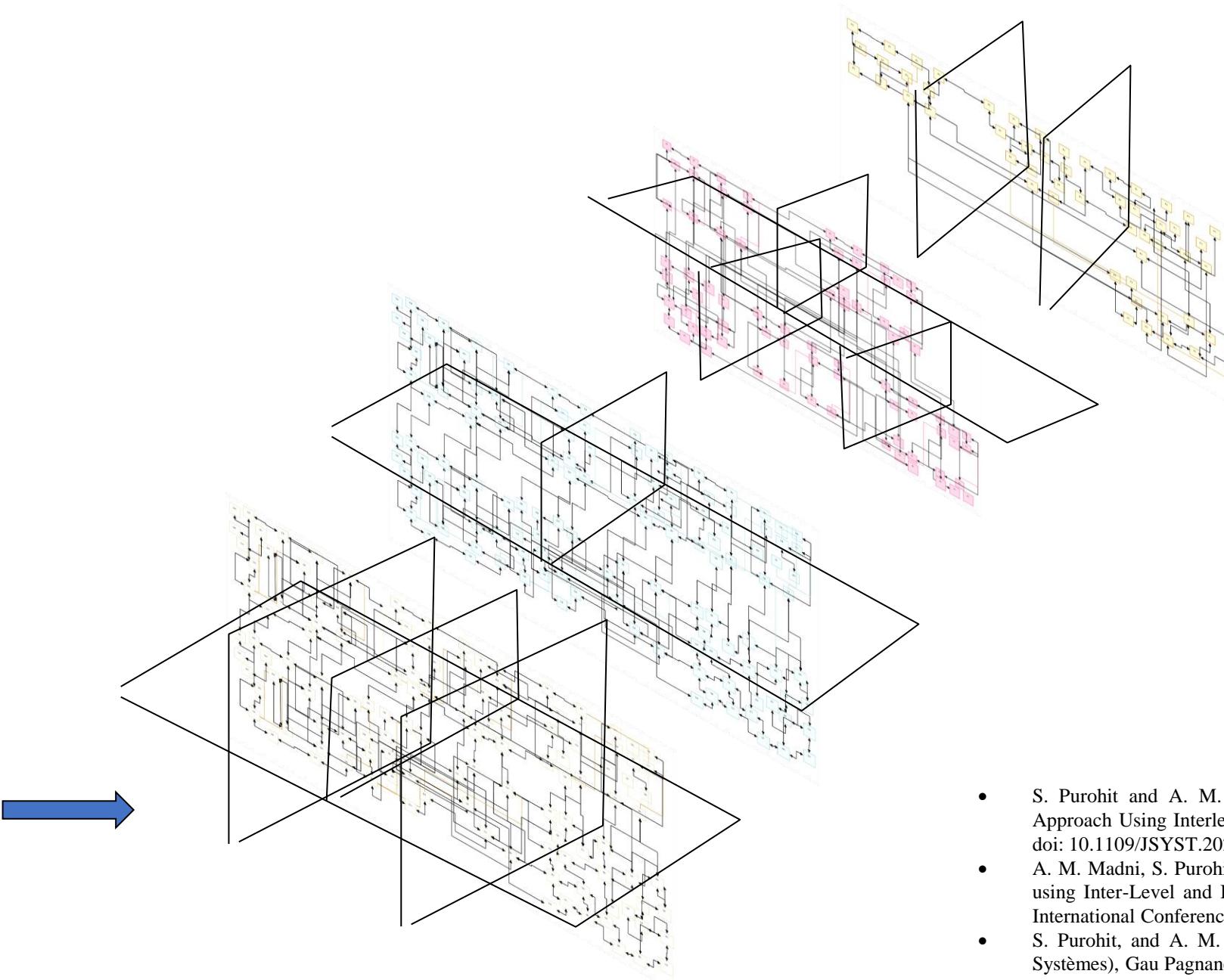
Functional
Architecture



Operational
Architecture



Space Station Freedom: Architectural Partition



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- S. Purohit, and A. M. Madni, Presentation on Latent IP to Thurston Garrett (Dassault Systèmes), Gau Pagnanelli Christi (Boeing), on Aug 2019

THE COMPANIES

U.S.

- Boeing
- Spirit
- Vought
- GE
- Goodrich

CANADA

- Boeing
- Messier-Dowty

AUSTRALIA

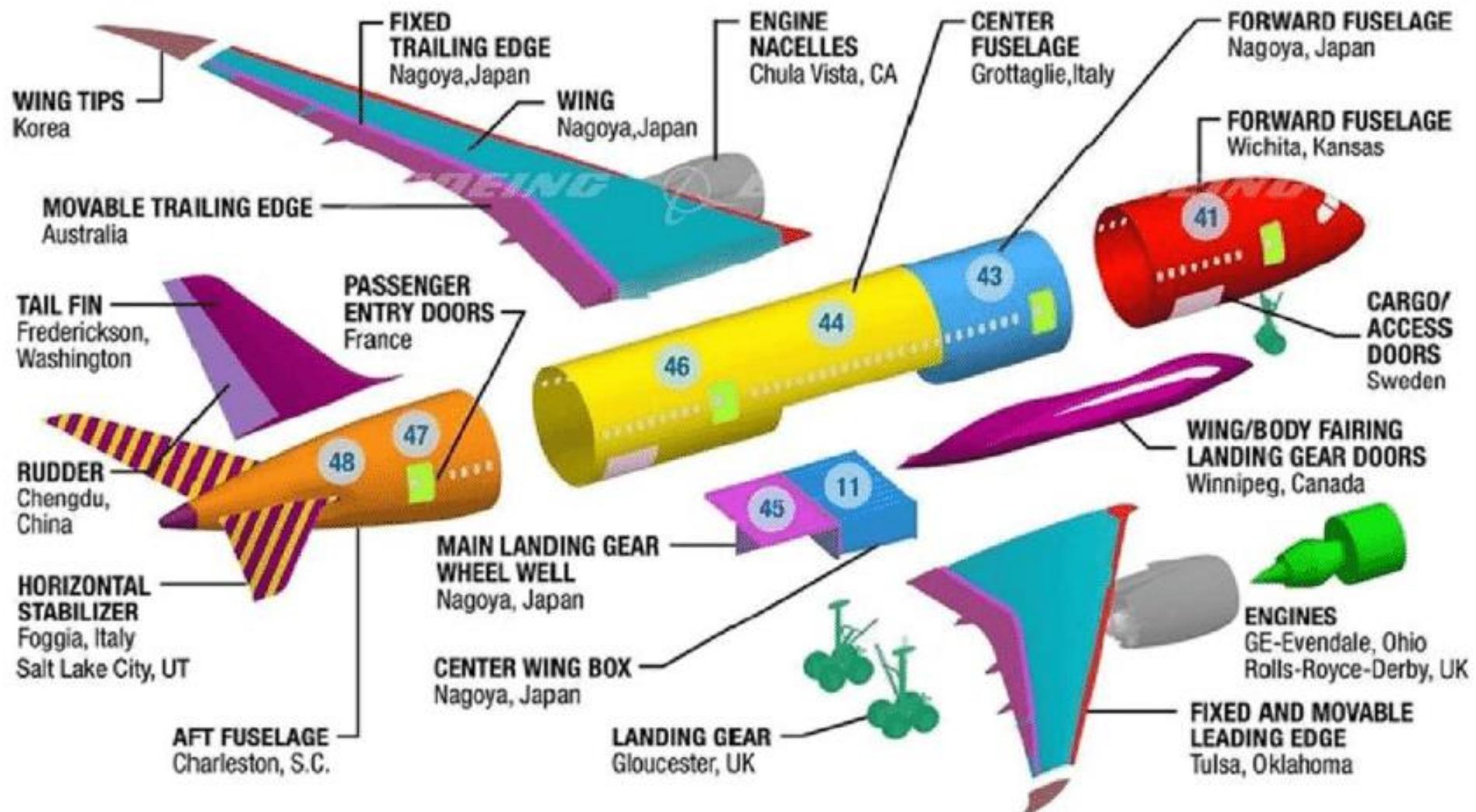
- Boeing

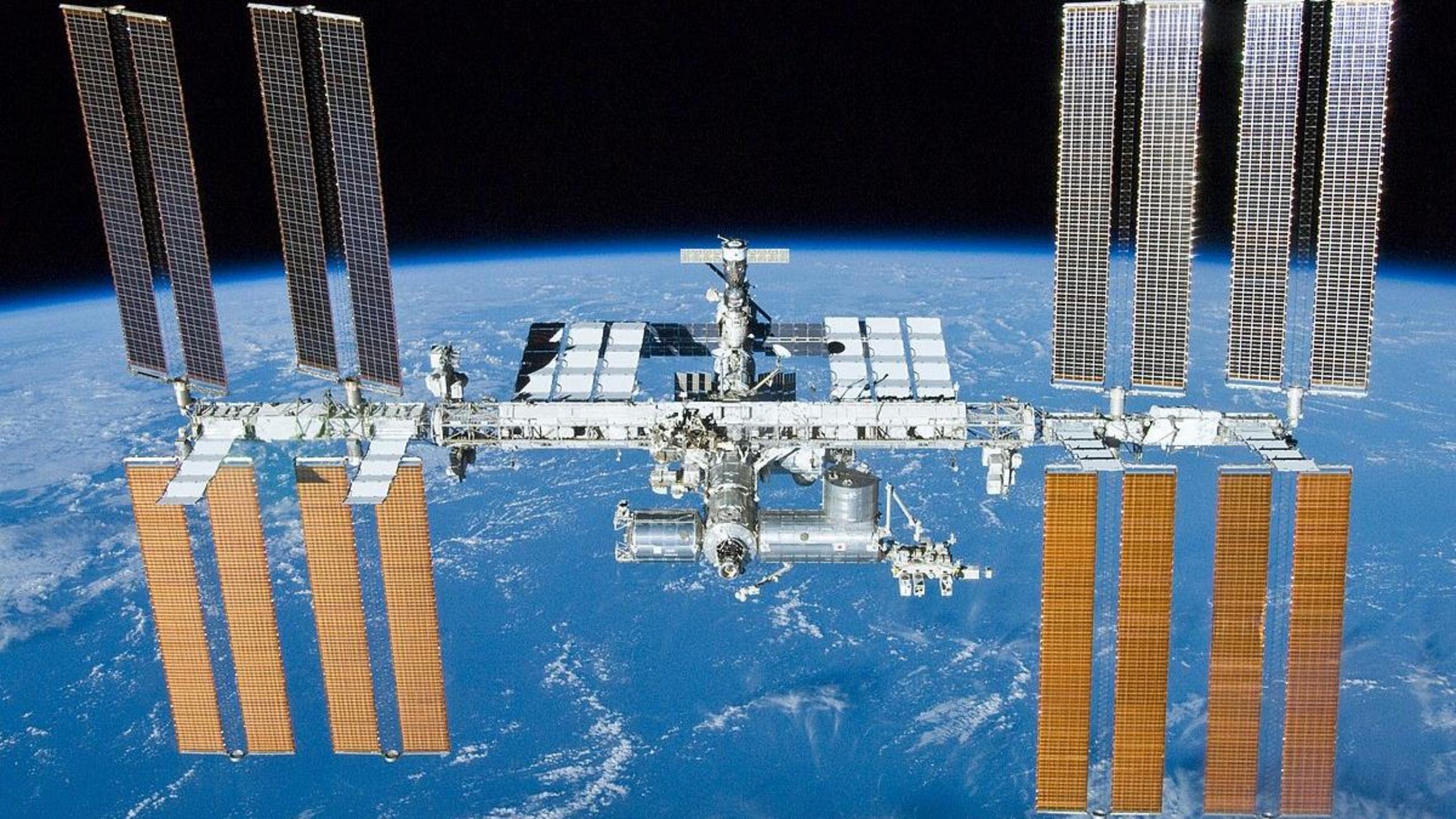
ASIA

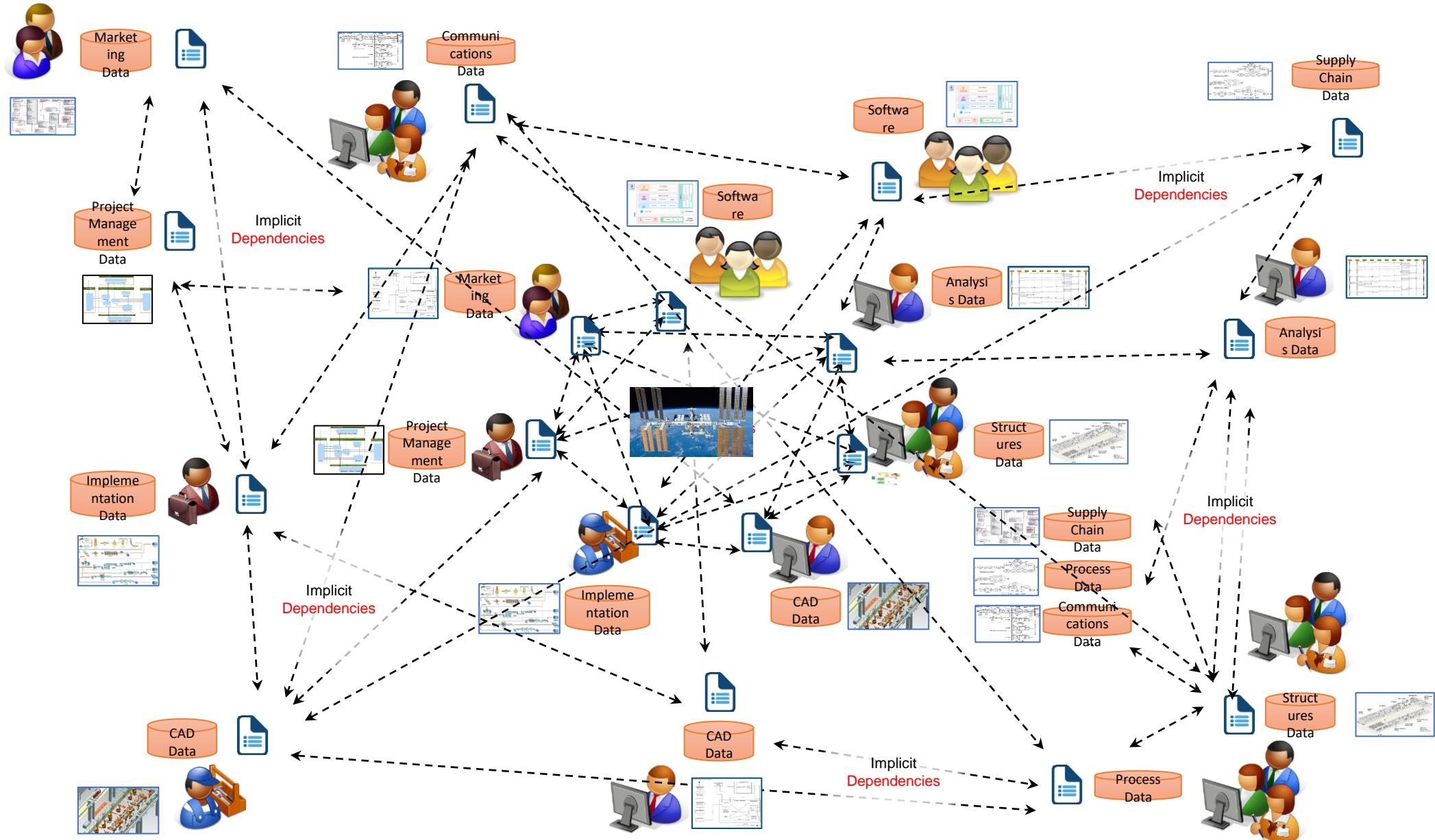
- Kawasaki
- Mitsubishi
- Fuji
- KAL-ASD
- Chengdu Aircraft Industrial

EUROPE

- Messier-Dowty
- Rolls-Royce
- Latecoere
- Alenia
- Saab





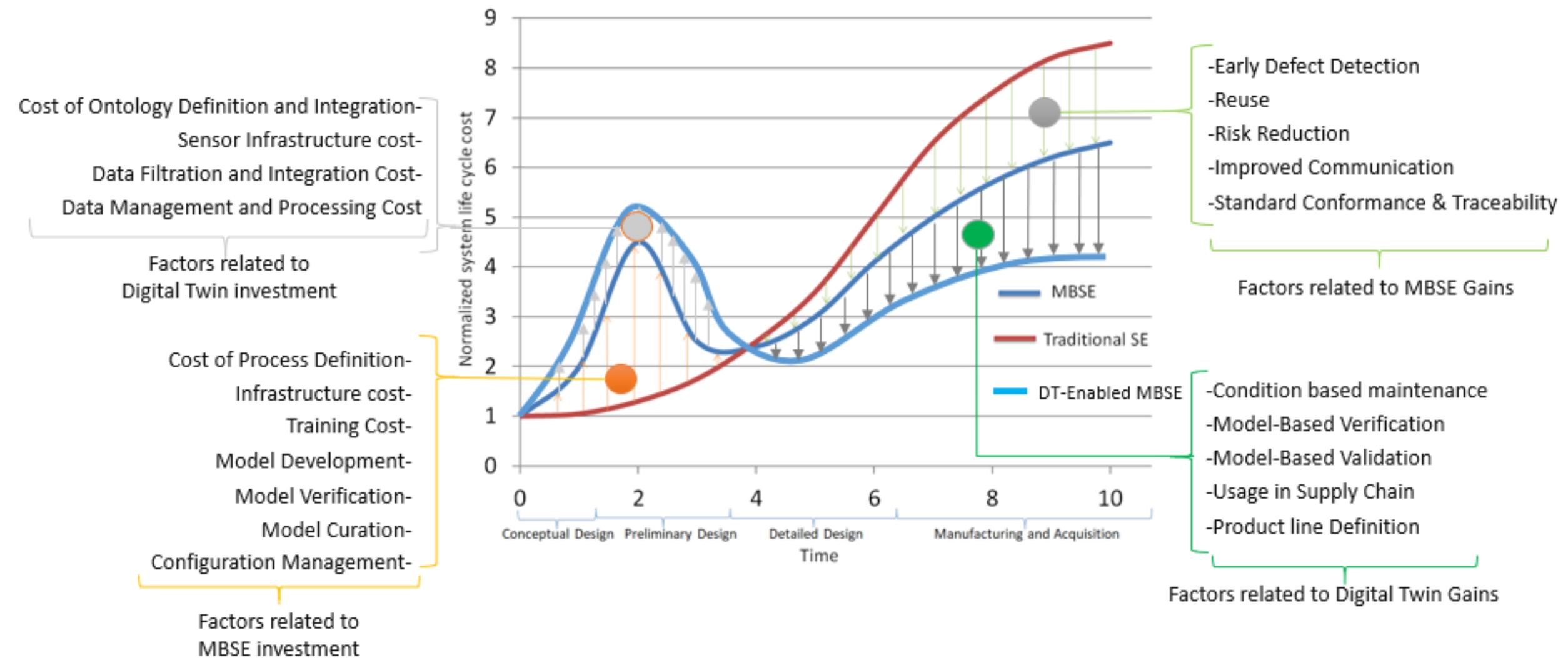


**Economics &
Politics**

Science

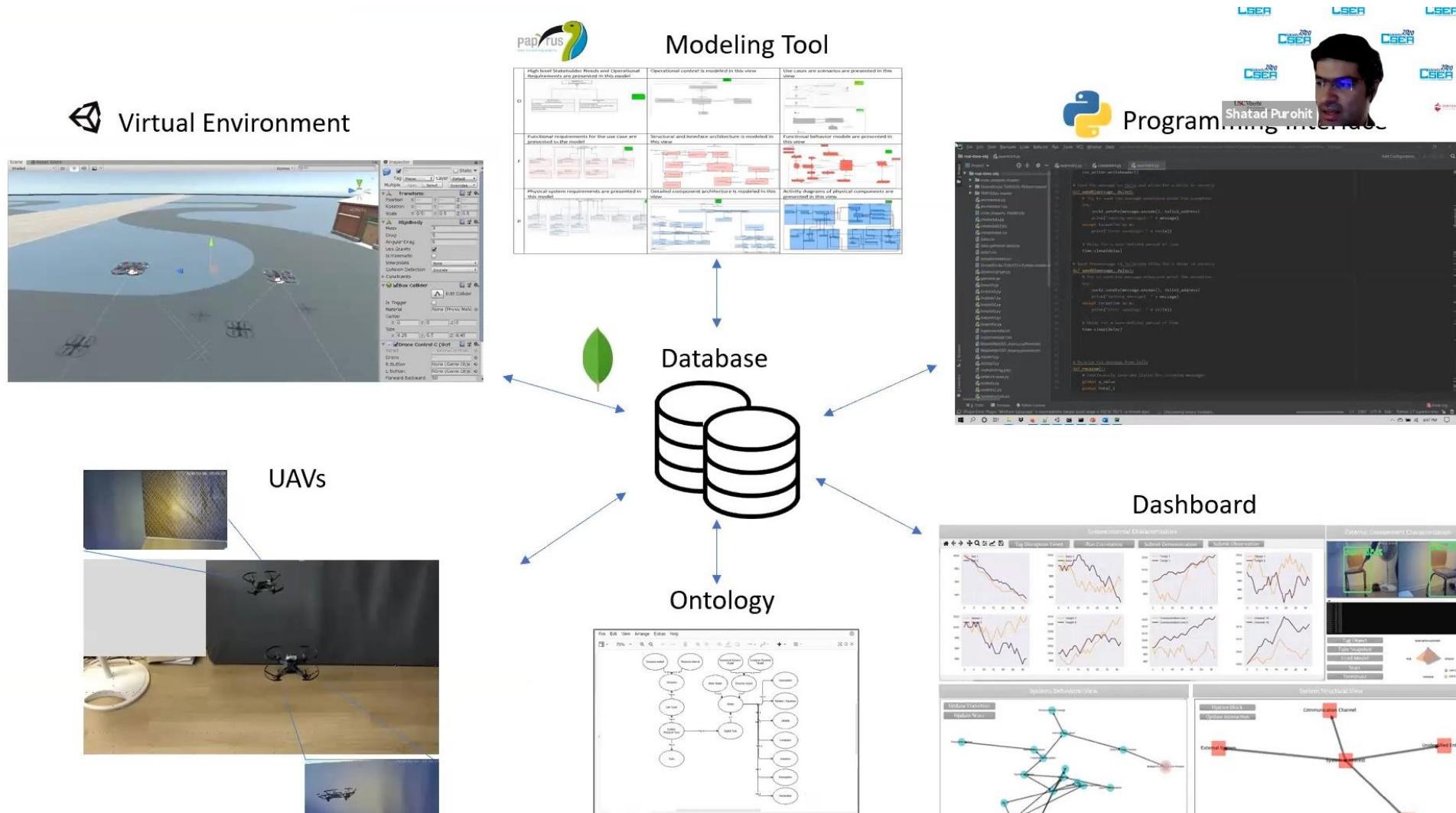
Engineering

Research: Economics



- S. Purohit and A. M. Madni, "Towards Making the Business Case for MBSE," accepted at CSER 2020, 18th Annual Conference on Systems Engineering Research, Redondo Beach, California, USA.
- A. M. Madni and S. Purohit, Economic Analysis of Model-Based Systems Engineering. Systems 2019, 7, 12.

Research: Digital Twins



- S. Purohit and A. M. Madni, "Employing Digital Twins within MBSE: Preliminary Results and Findings," accepted at CSER 2020, 18th Annual Conference on Systems Engineering Research, Redondo Beach, California, USA.
- A. M. Madni, D. Erwin, S. Purohit and C. C. Madni, "Digital-Twin Enabled Experimentation Testbed for MBSE," 2021 AIAA Scitech, doi:<https://doi.org/10.2514/6.2021-0201>
- A. M. Madni, C. Madni, S. Purohit, and A. Madni, Digital Twin Technology-Enabled Research Testbed for Game-Based Learning and Assessment in Theoretical Issues of Using Simulations and Games in Educational Assessment, O'Neil, H. (Eds.), Taylor & Francis, Spring2020
- A. M. Madni, M. Sievers, S. Purohit and C. C. Madni, "Toward a MBSE Research Testbed: Prototype Implementation and Lessons Learned," 2020 IEEE International Conference on Systems, Man, and Cybernetics (SMC), 2020, pp. 2939-2945, doi: [10.1109/SMC42975.2020.9282836](https://doi.org/10.1109/SMC42975.2020.9282836).



-
- Model-Based Systems Engineering,
 - Systems Architecting
 - Autonomous UAVs and Ground Robots.

Engineering
Education



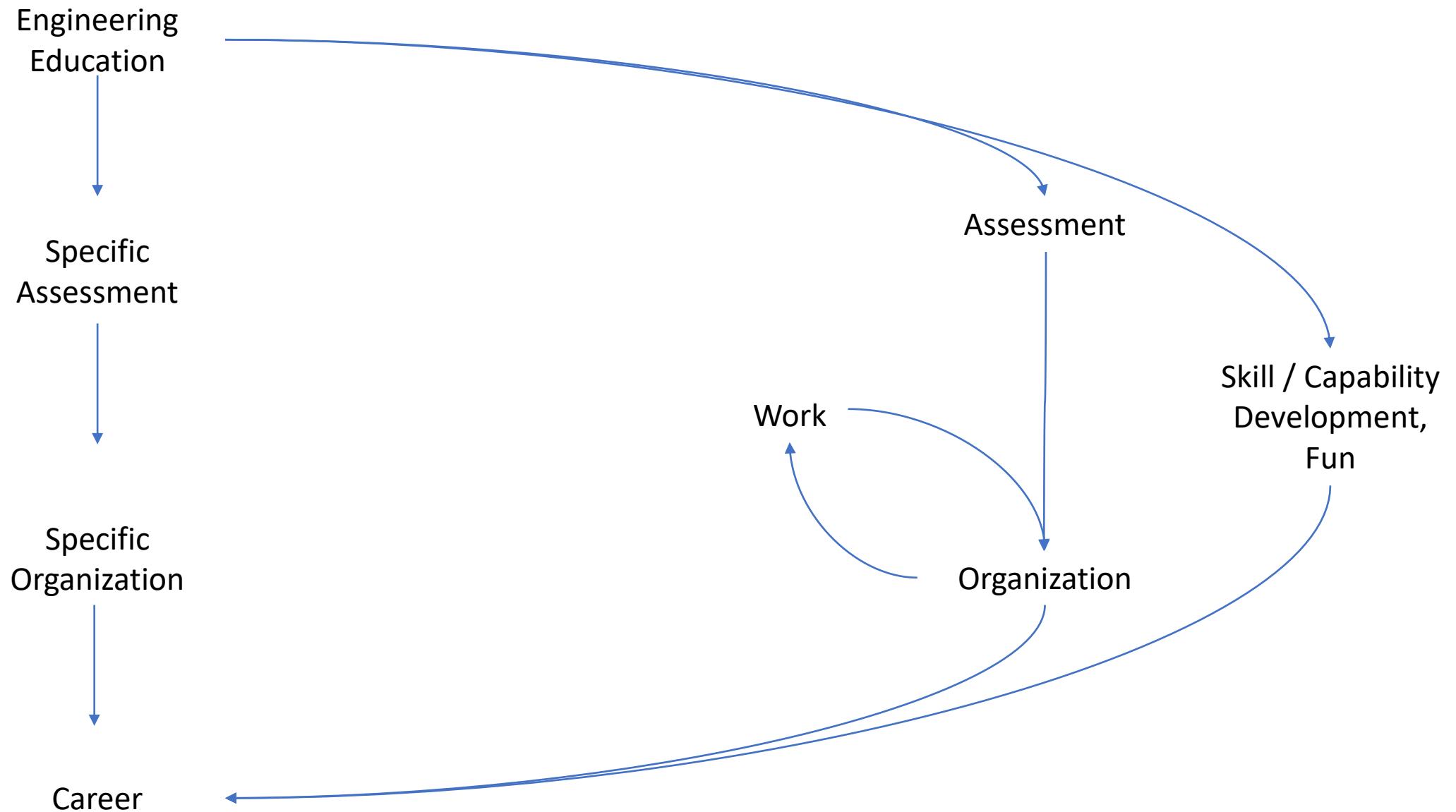
Specific
Assessment

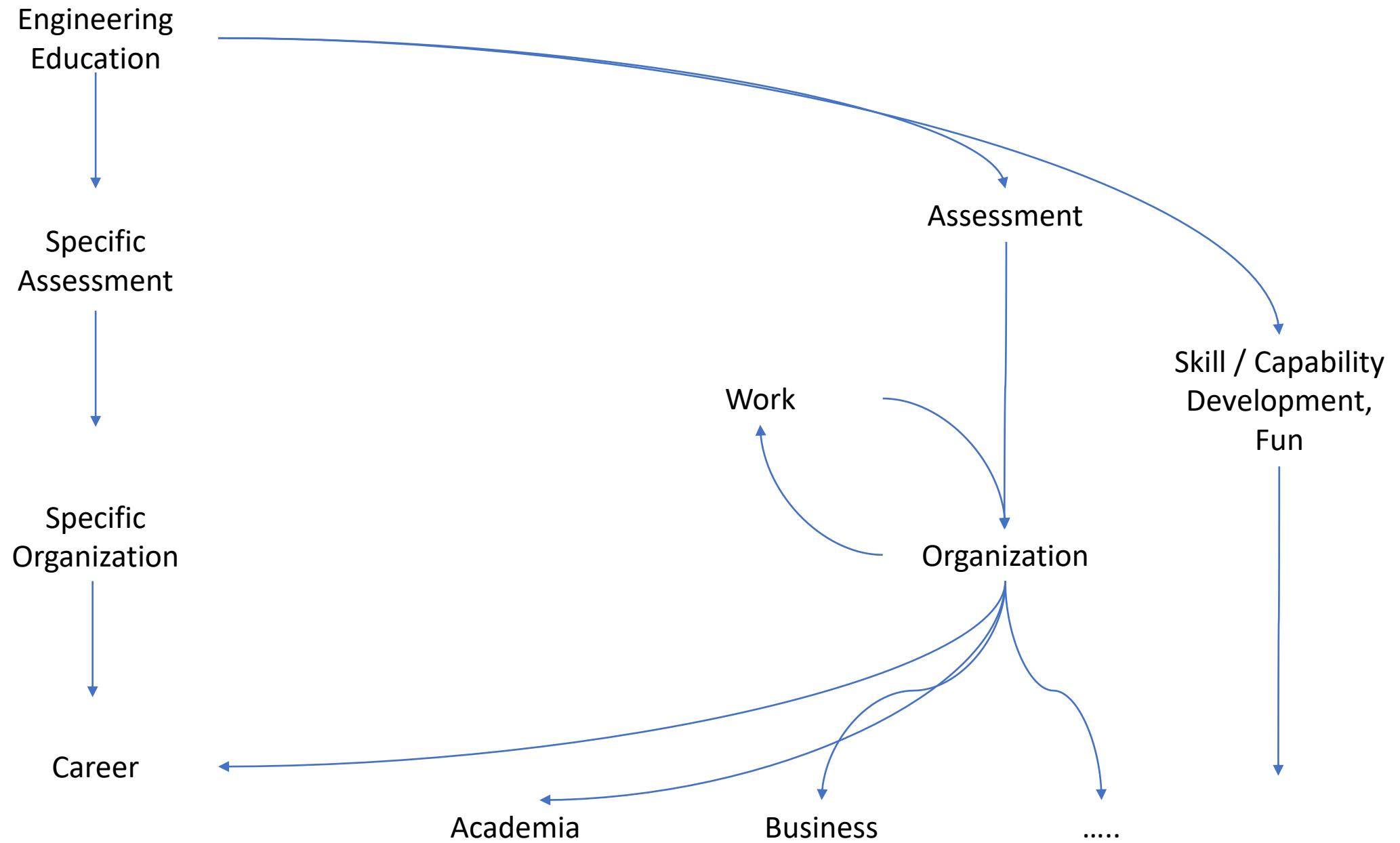


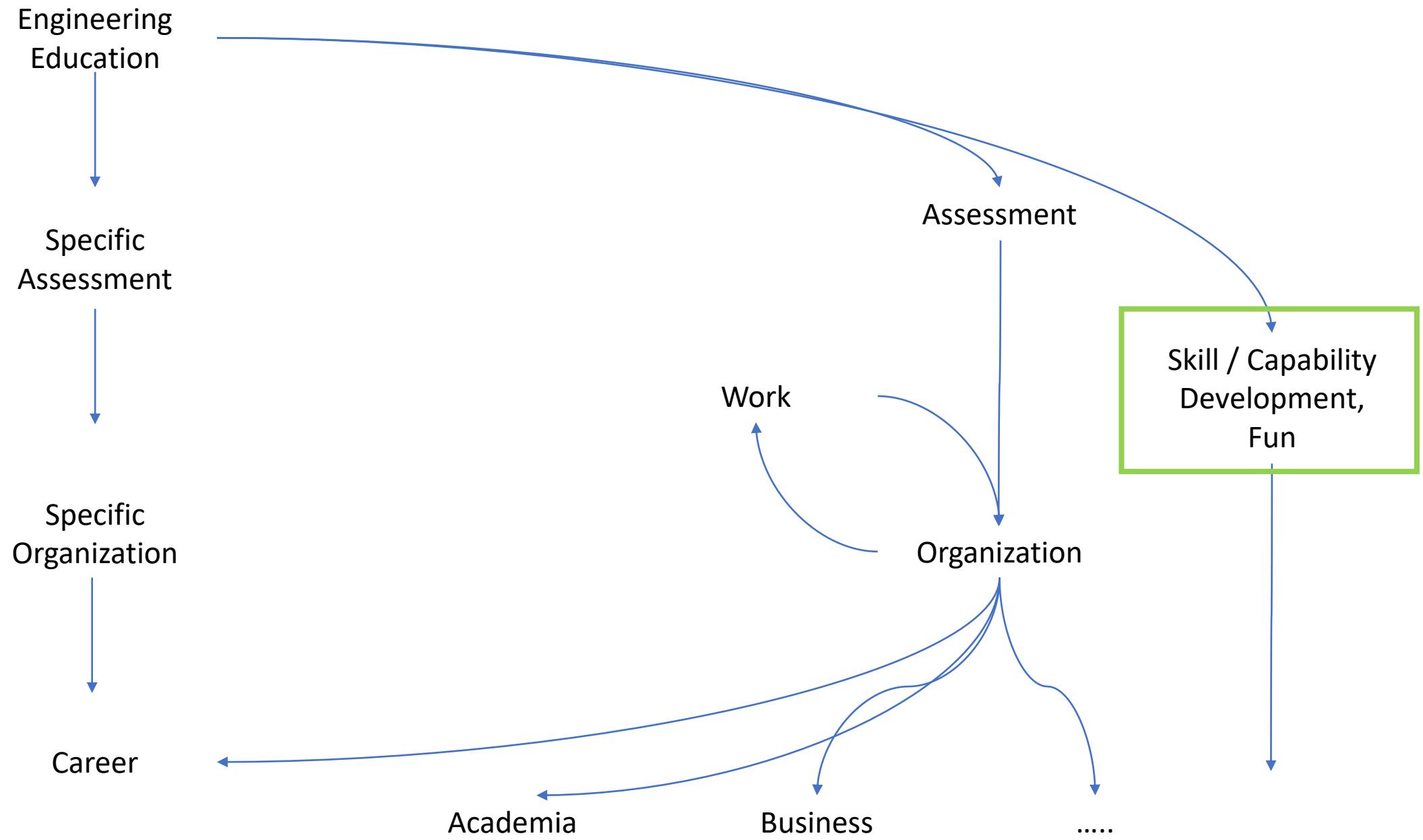
Specific
Organization



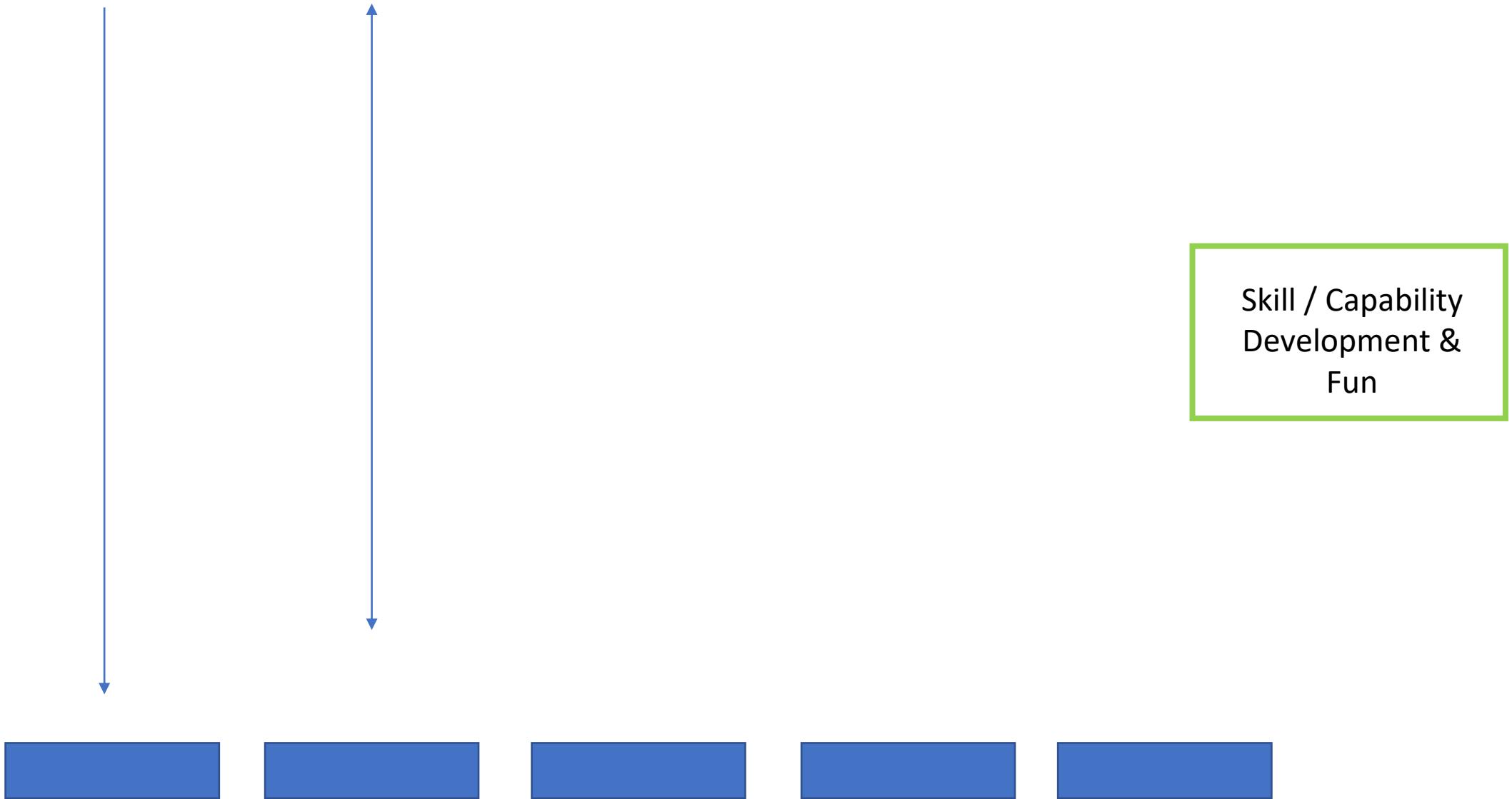
Career







Engineering Education





भाग १

Background

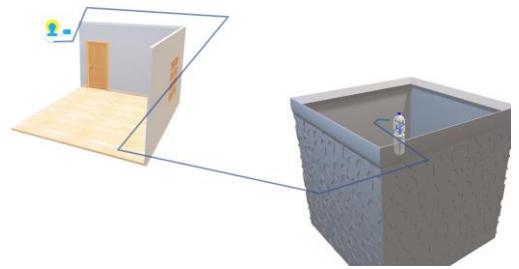


भाग २

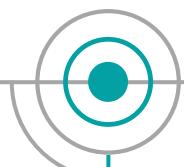
Project based skill development

Long Term Project Based Skill Development

दीर्घकालीन प्रकल्प
आधारित कौशल विकास



2006



8th

Keshavraj Vidyalay Latur

10th



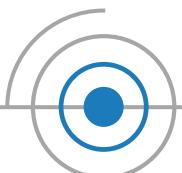
2008

2010

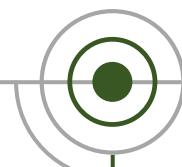


•

2012



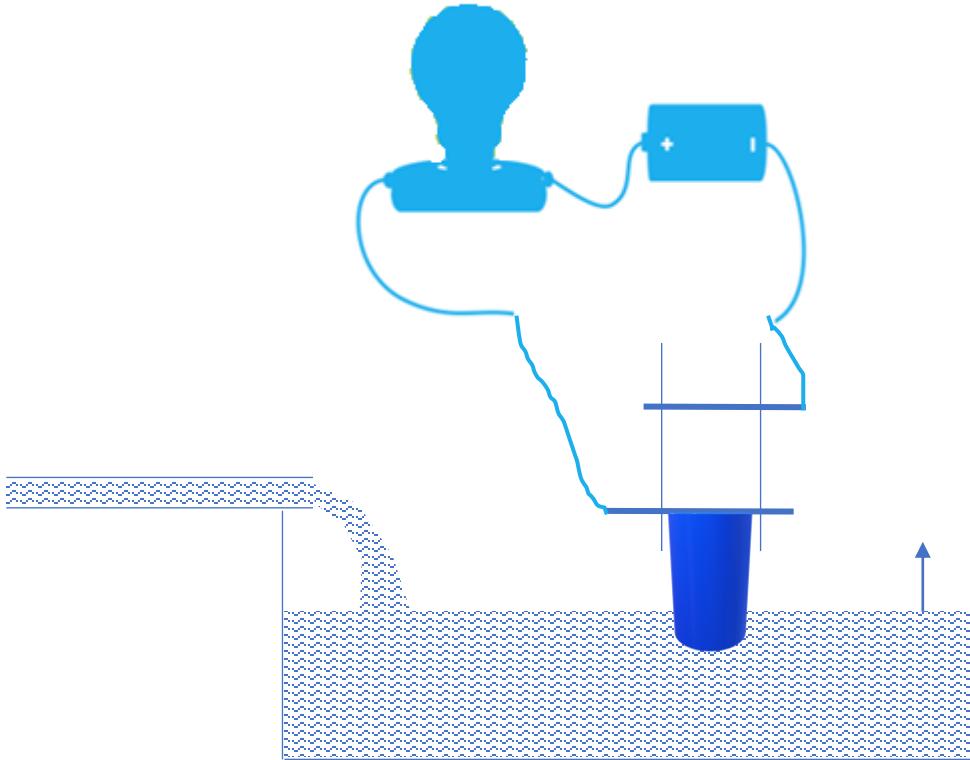
2014



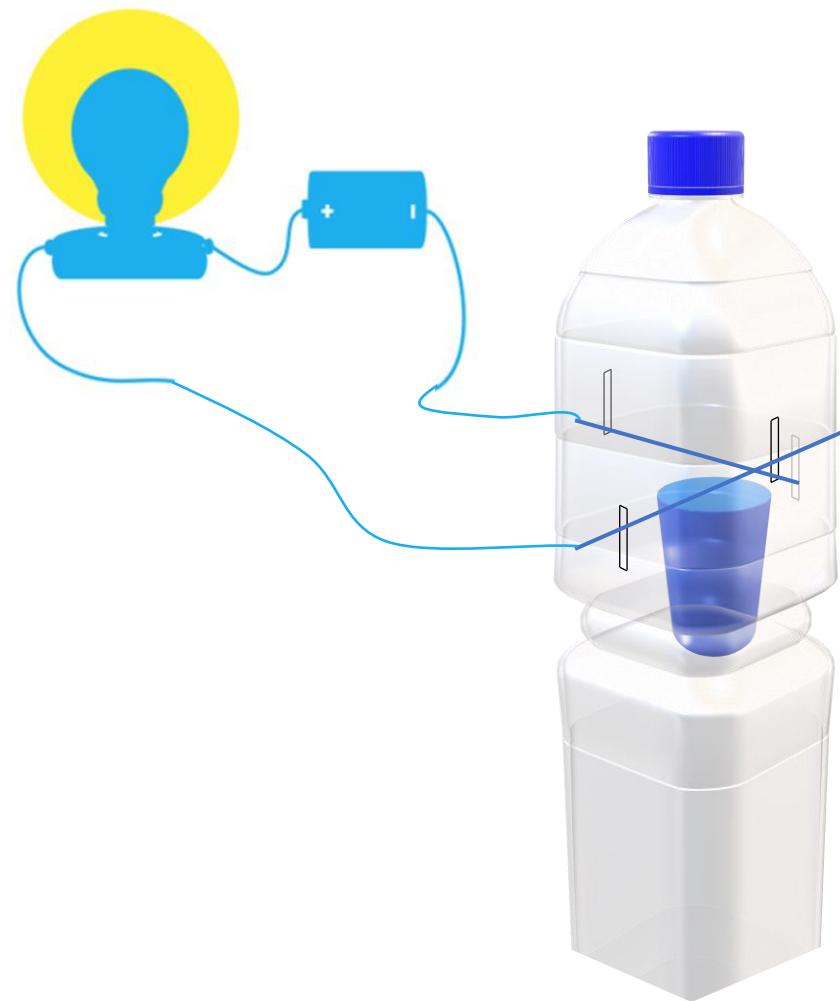
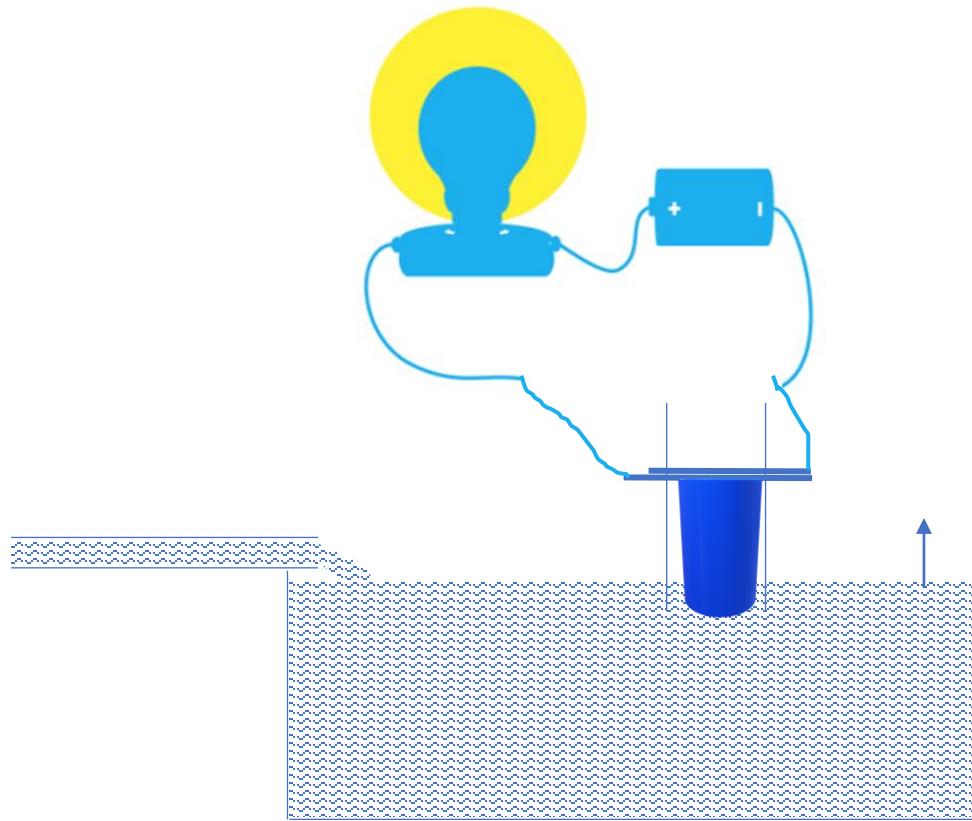
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BE Mechanical Engineering, M. S. Bidve Engineering College Latur

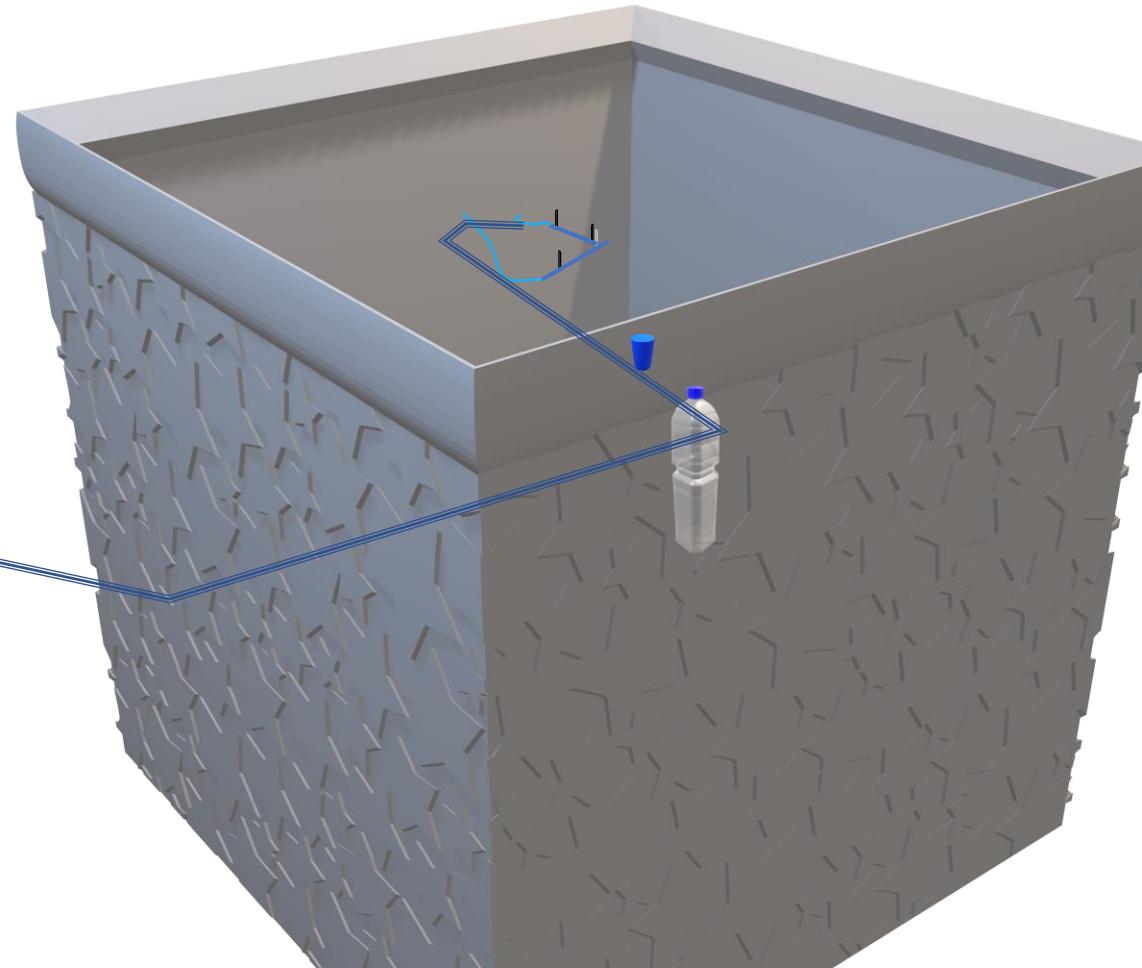
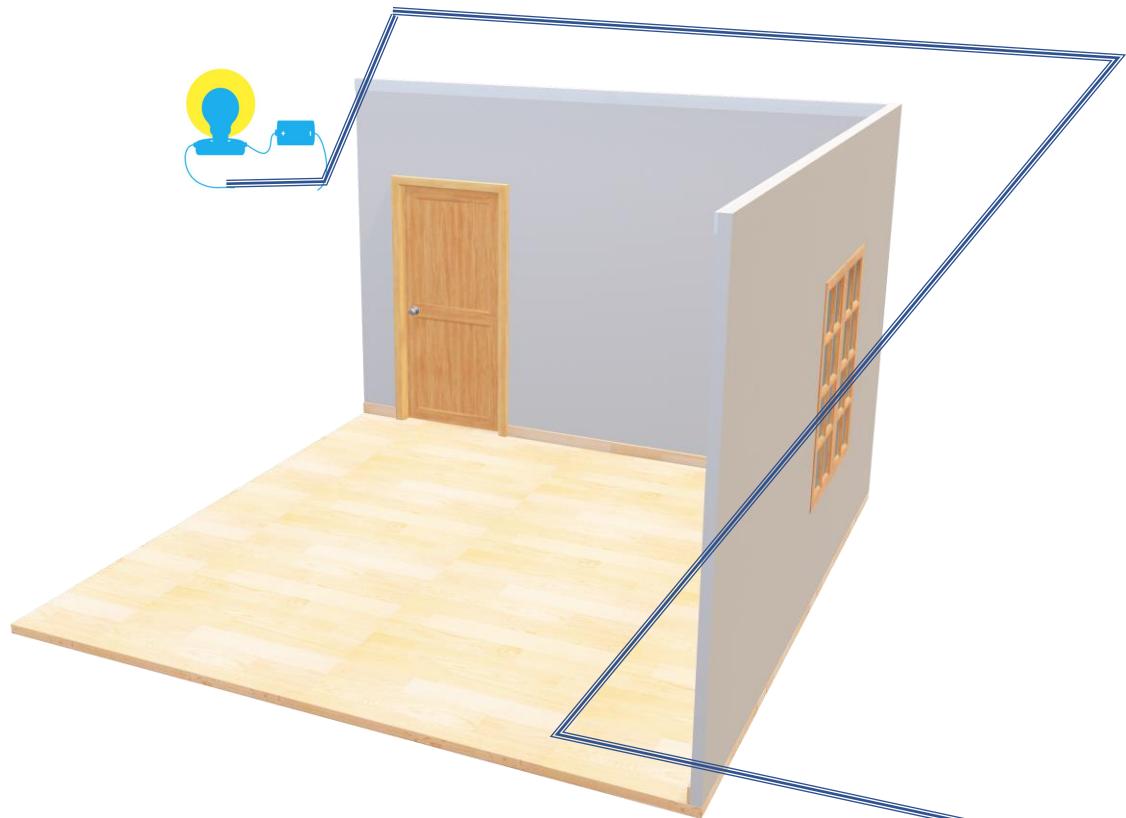
पूर सुचक यंत्र



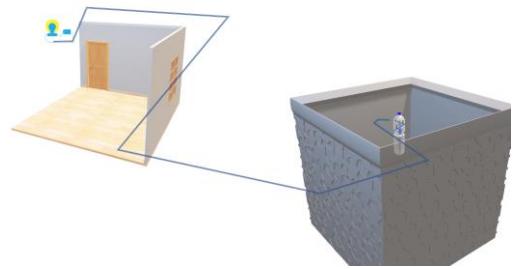
पूर सुचक यंत्र



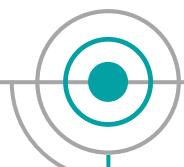
Study Archimedes Principle -> Book Project -> Project Relevant for People Near You -> Simple Commercialization



पूर सुचक यंत्र → पानी की टंकी भरने की सुचना देने के लिए



2006



8th

Keshavraj Vidyalay Latur

10th



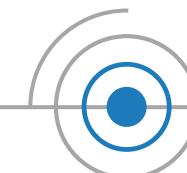
2008

2010



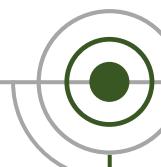
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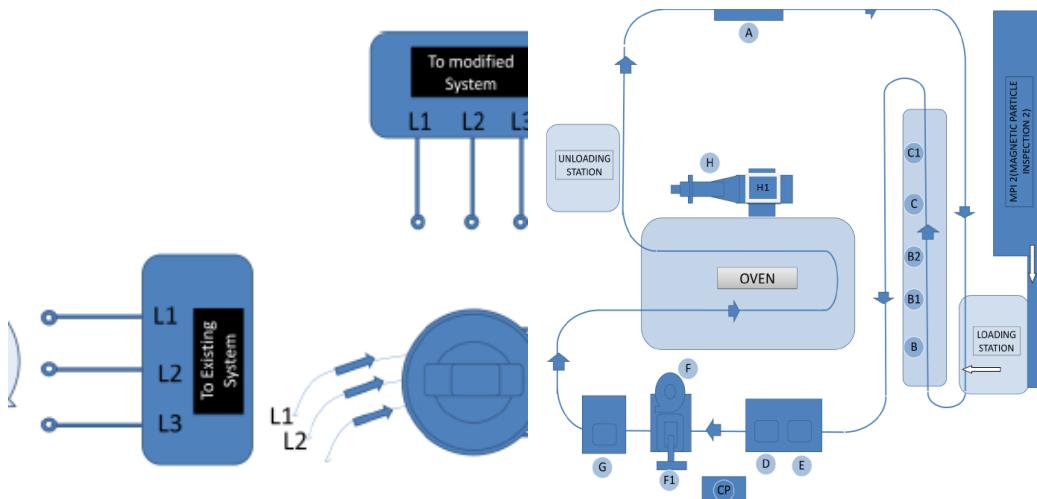
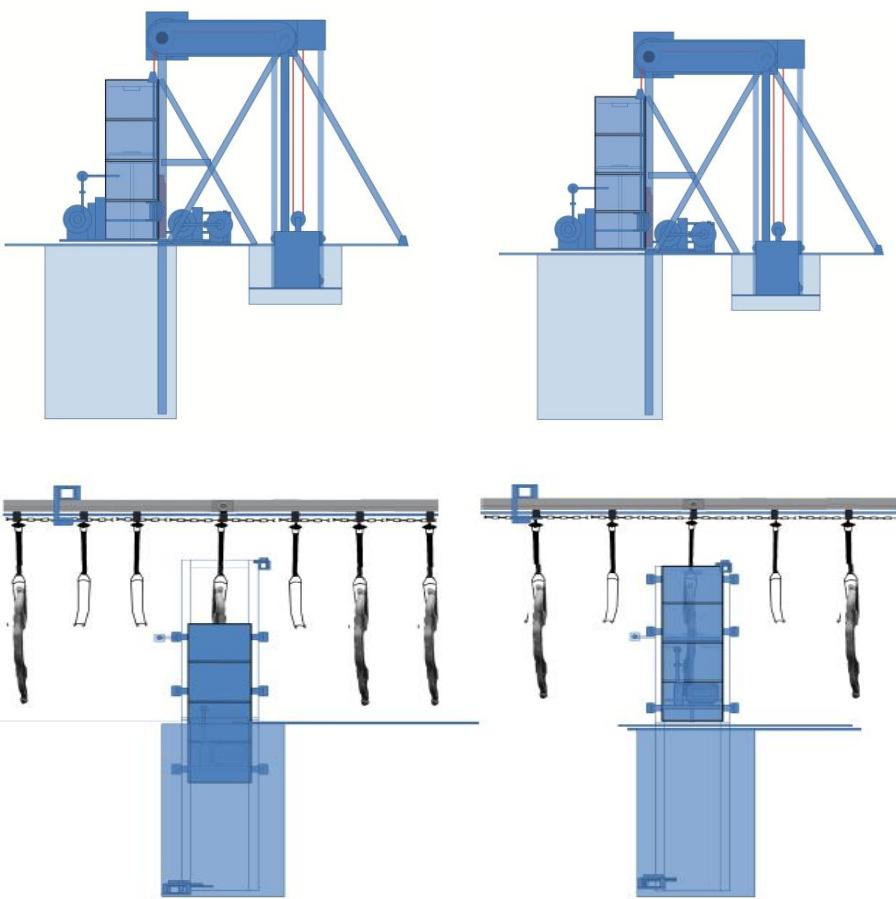
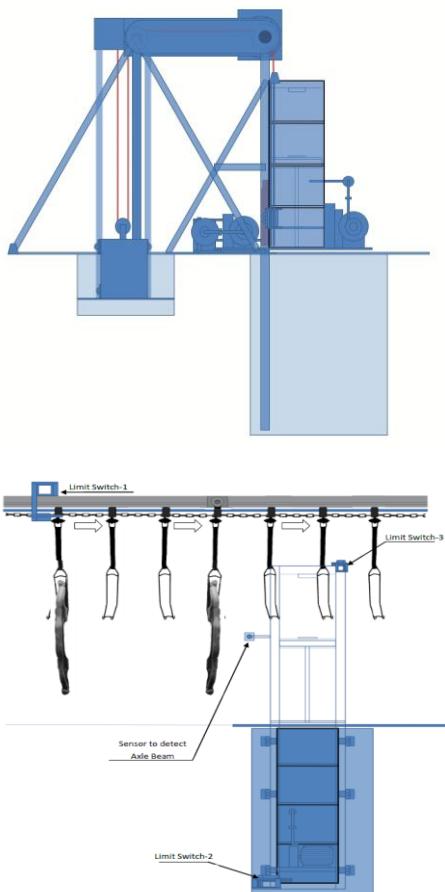
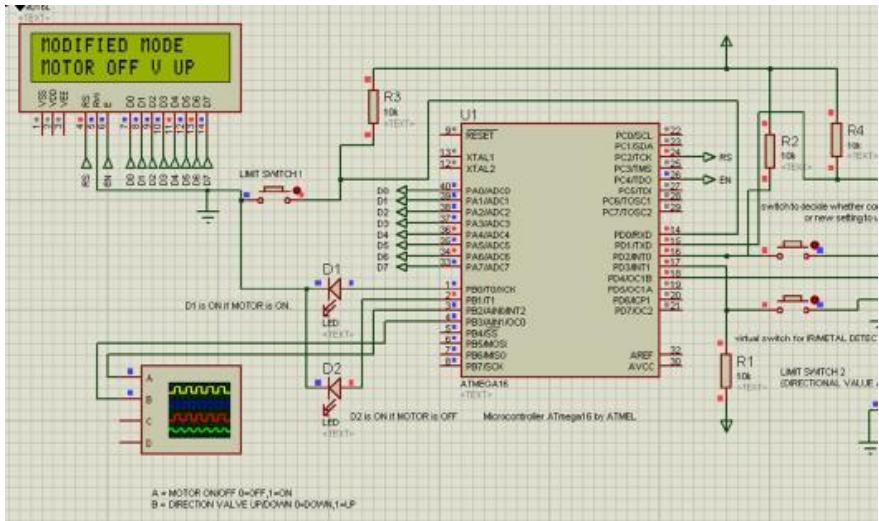
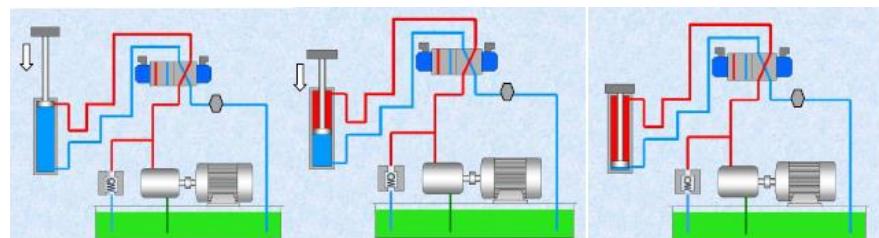


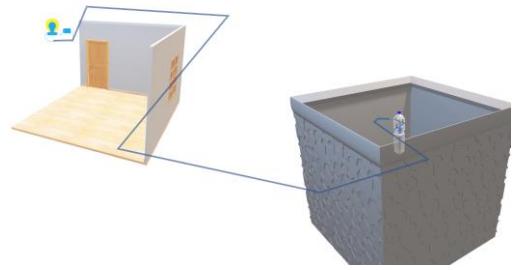
2012

2014

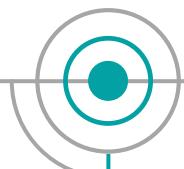


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2006



8th

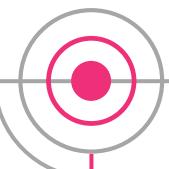
Keshavraj Vidyalay Latur

10th



2008

2010

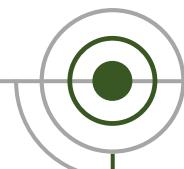


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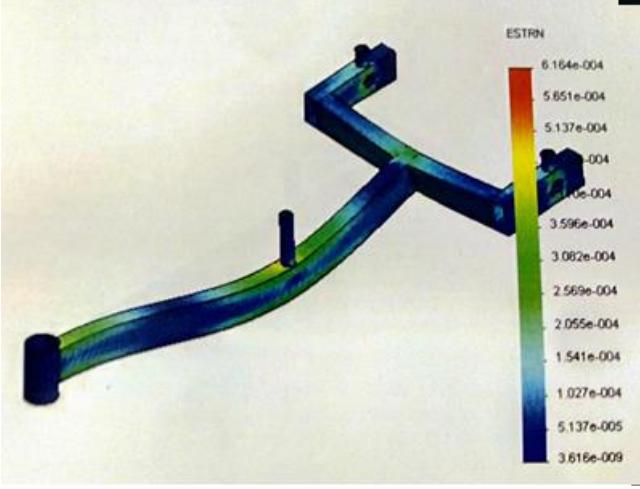
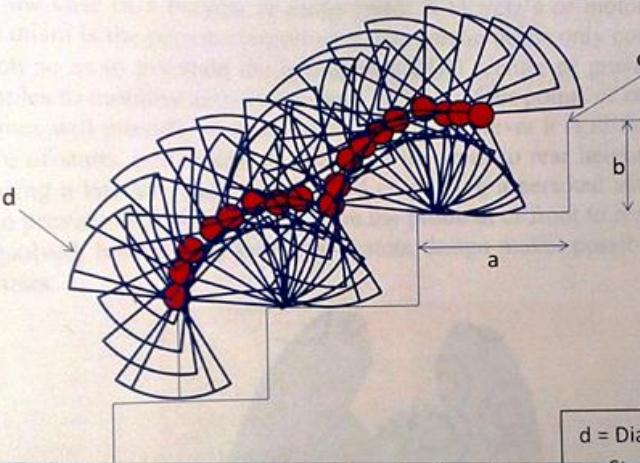
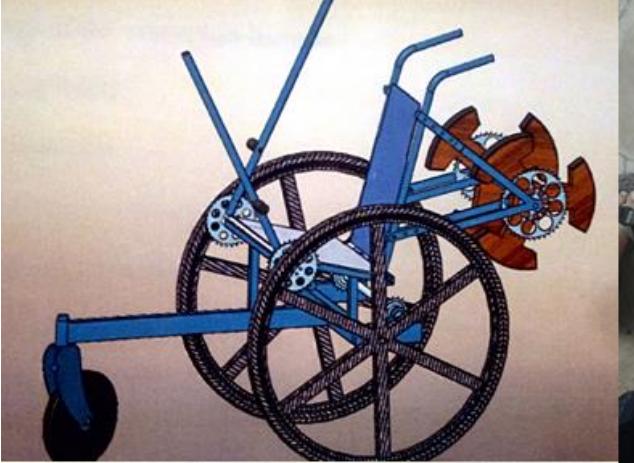
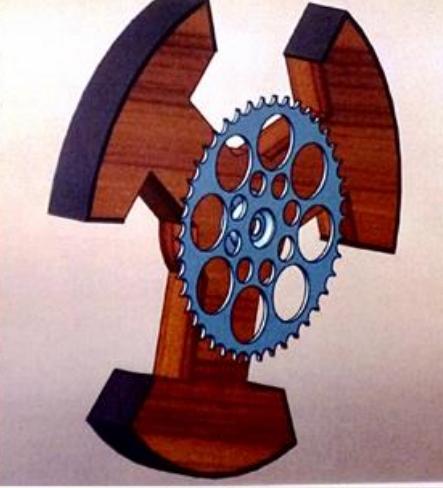
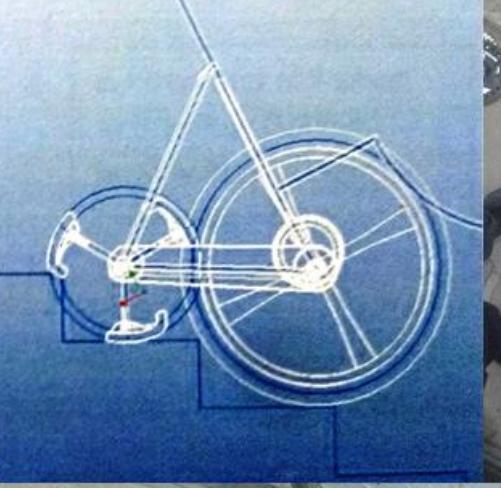
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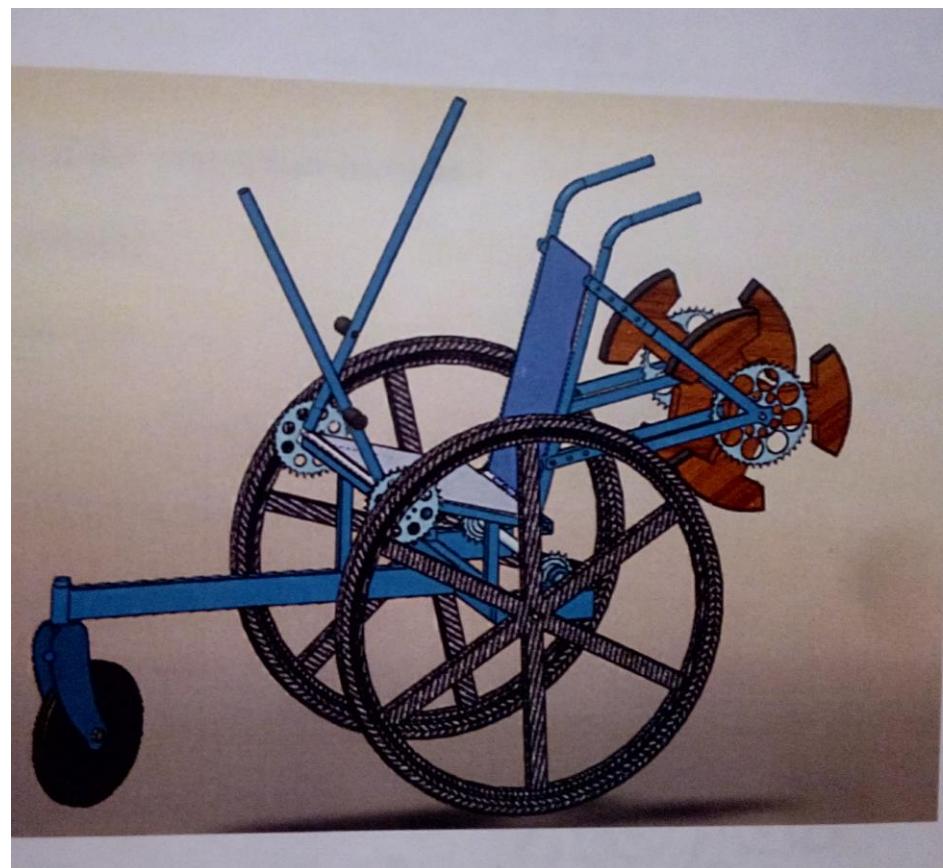


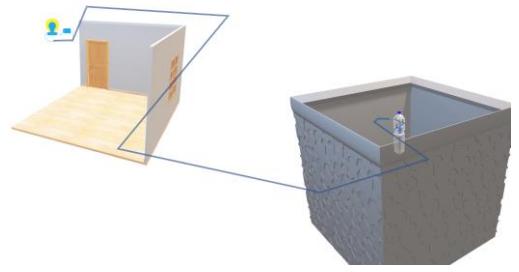
2014



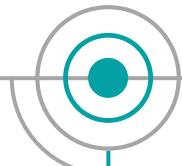
2012







2006



8th

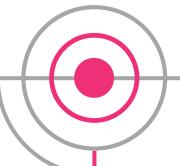
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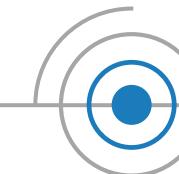


2008

2010



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2012



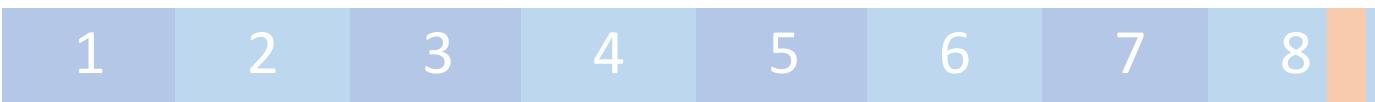
2014



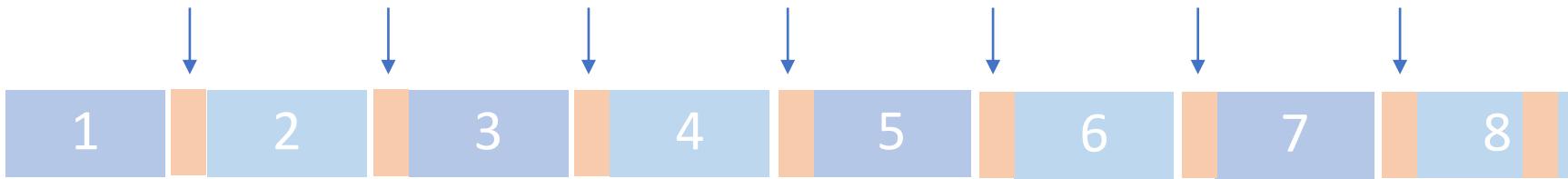


Academic projects are an integral part of curriculum for most students at most levels

- No specified curriculum constrains
- Opportunity to innovate and practice creativity for students
- Possibility to infuse interest









Interviewer

They will see

What you did in the past

Evidence

What kind of people you want to hire

Government – private

Look problems nearby

solution-oriented attitude

situations
Look ~~problems~~ nearby

solution-oriented attitude

**LONG
TERM**

प्रकल्प

Objective is to provide dedicated vibrant digital communities to participant towards solving societal situations in their own way

- Climate change
- Agriculture
- Dying art forms
- Rural education
- Elderly care
- Promote Sports
- Healthcare
- ...

सर्व

SARW |
Systems for
All Round
Wellbeing

Home

FAQ

Feedback

Webinars

Climate Change and Agriculture

Entertainment and Education

Robots for Social Situations

Languages and Cultures

Arts and Healthcare

Sports and Sociology

Now

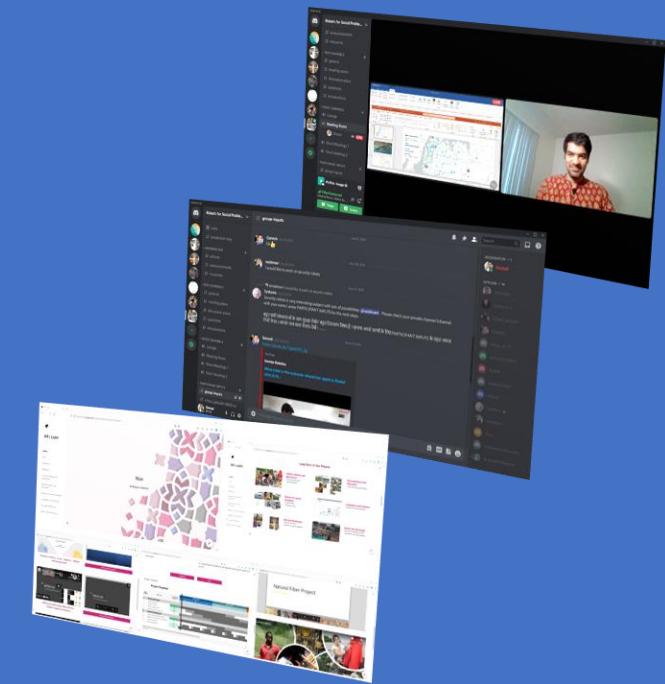
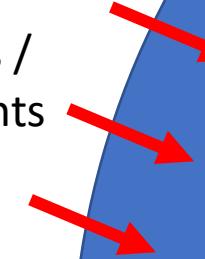
Working on Solutions

https://www.sarw.life



Bring people on board

Students /
Participants



Platform

Individuals and
entities working
on solutions
(Public/Private)



- Tree Plantation Groups
- River Cleaning Groups
- Groups supporting educations
- Industry or Gov entities working on solutions
- ...

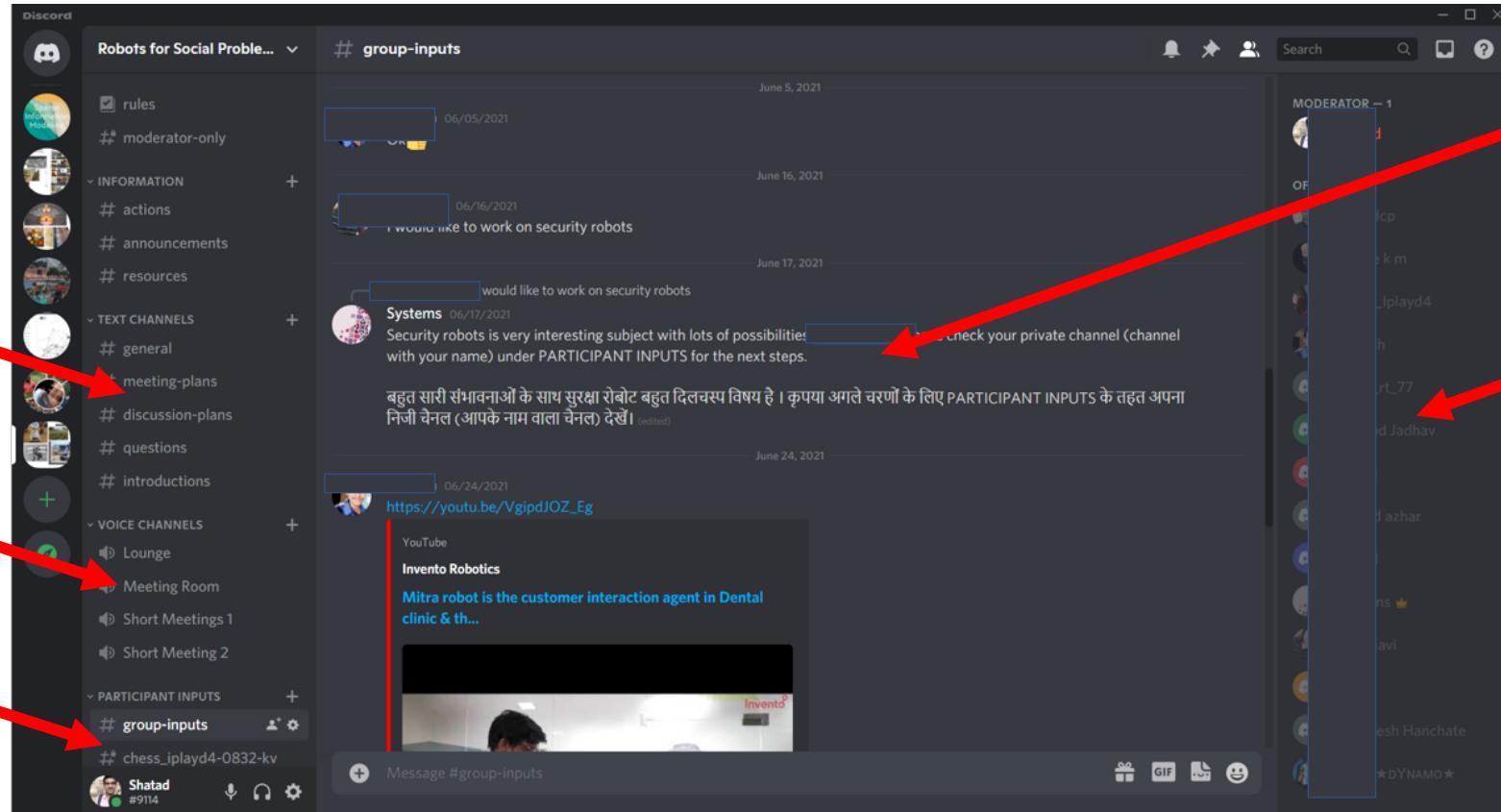
Mentors – Industry, Academia, Government



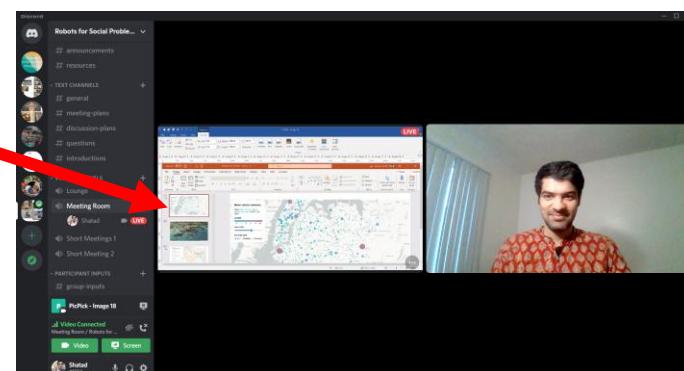
Timeline for specific channel

Members of the community

Text Channels
Voice Channels
Participants' Private Channels



Screen Sharing and Video



Timeline for specific channel

Members of the community

This screenshot shows a Discord server interface. On the left, there's a sidebar with categories: rules, INFORMATION, actions, resources, TECH CHANNELS (general, meeting-plans, discussion-plans, questions, introductions), VOICE CHANNELS (Meeting Room, Short Meetings 1, Short Meeting 2), and PARTICIPANT INPUTS (group-inputs). The main area displays messages from users like 'Systems' and 'Shatad'. A message from 'Systems' is highlighted with a red arrow, pointing to the text 'would like to work on security robots'. Another message from 'Shatad' is also highlighted with a red arrow, pointing to the text 'would like to work on security robots'. The interface includes a video player showing a YouTube video by 'Invento Robotics' about their robot 'Mitra'.

SARW Website

Text Channels

Voice Channels

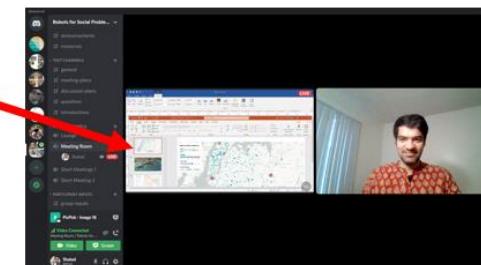
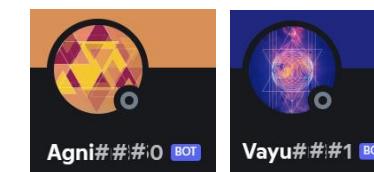
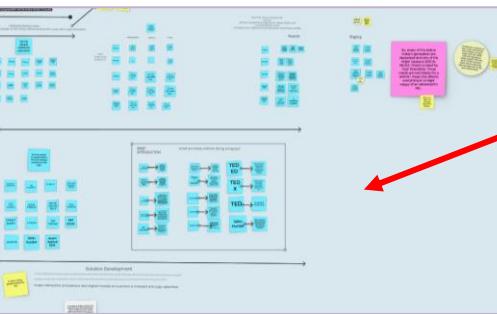
Participants' Private Channels

Collaborative Whiteboards

Project Management Bots

Mobile App Access

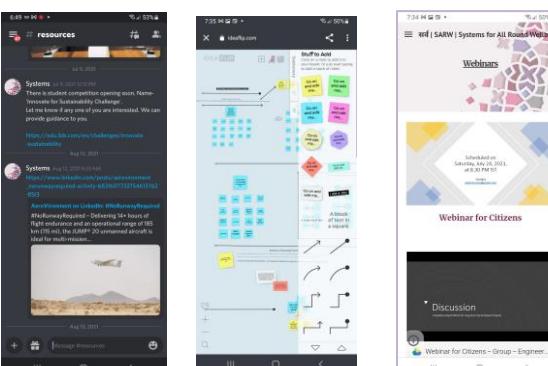
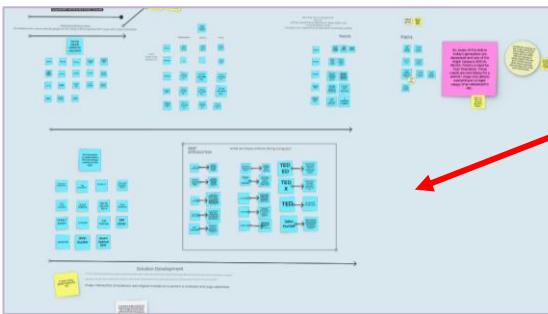
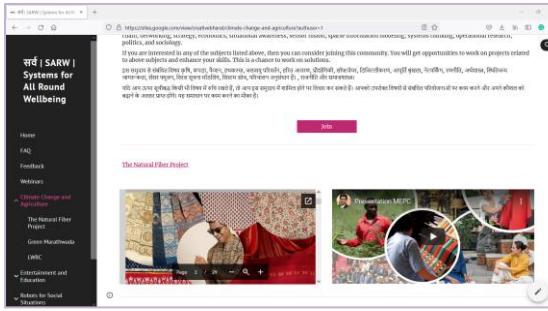
Screen Sharing and Video



Interactive Timelines

Project Template

WBS NUMBER	TASK TITLE	PCT OF TASK COMPLETE	PHASE ONE			PHASE TWO			PHASE THREE			PHASE FOUR		
			A	B	C	D	E	F	G	H	I	J	K	
1 Problem Definition														
1.1	Inquire status-quo	4%												
1.2	Study Ecosystem	2%												
1.3	Identify Opportunities	2%												
1.4	Develop System Architecture	1%												
2 Solution Development														
2.1	Develop Supporting Infrastructure	4%												
2.2	Implement Solution and/or Prototypes	1%												
2.3	Present and Review	2%												
2.4	Build Competencies	2%												

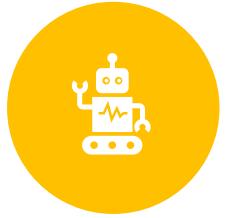




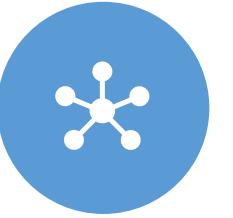
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AND AGRICULTURE



ENTERTAINMENT
AND EDUCATION



ROBOTS FOR
SOCIAL SITUATIONS



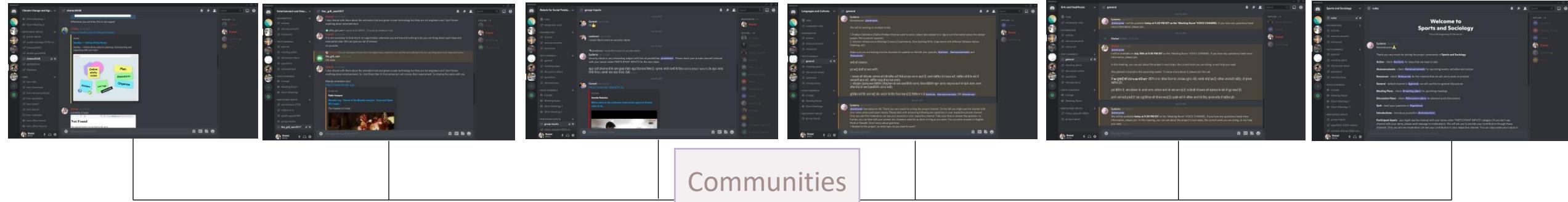
LANGUAGES AND
CULTURES



ARTS AND
HEALTHCARE



SPORTS AND
SOCIOLOGY



Communities

All of Us



Databases

Timelines

Whiteboards

Experiences

Ideas

Algorithms

Models

Notifications

Forms

Analytics

Bots

Info

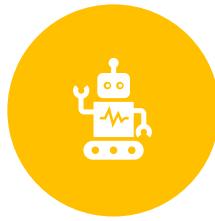
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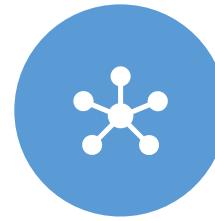
NATURAL FIBER
PROJECT



GAMES AND
ANIMATIONS FOR
ITIHASA



ROBOTS FOR SOCIAL
PROBLEMS



SOCIAL NETWORK
PLATFORM FOR
DIFFERENT LANGUAGE



SYSTEMS FOR ART
FORMS



SPORTS EVENT
MANAGEMENT
SYSTEM

High-level Tasks / Activities

The Gantt chart illustrates the timeline of the Project Management Life Cycle, divided into four main phases:

- Problem Definition:** This phase includes activities such as Inquire status-quo, Study Ecosystem, Identify Opportunities, and Develop System Architecture. The timeline for this phase spans from week 1 to week 10.
- Solution Development:** This phase includes activities such as Develop Supporting Infrastructure, Implement Solution and-or Prototypes, Present and Review, and Build Competencies. The timeline for this phase spans from week 11 to week 18.
- Solution Deployment:** This phase includes activities such as Go-Live, Monitor Performance, and Optimize. The timeline for this phase spans from week 19 to week 22.
- Post-Launch Review:** This phase includes activities such as Evaluate Outcomes, Document Lessons Learned, and Update Knowledge Base. The timeline for this phase spans from week 23 to week 26.

The chart uses a color-coded legend to represent different project components: Blue for Problem Definition, Teal for Solution Development, Green for Solution Deployment, and Orange for Post-Launch Review.

How to start with projects

Competitions | Academics

Competitions



hero^x

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hero^x

Booz Allen facebook Forbes NBC XPRIZE

BIRAC SPARSH Social Innovate

BIRAC Ignite Innovate Involve IIM CALCUTTA INNOVATION INCUBATOR Sparsh

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Top hackathon themes

Theme	Hackathons	Total prizes
Beginner Friendly	40	\$106,000

german innovation implemented by giz

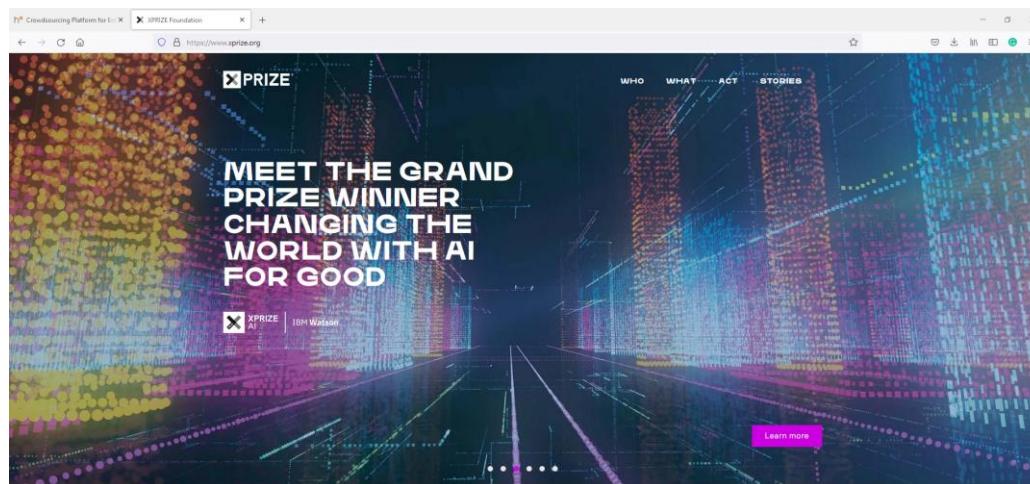
#HerTimelsNOW STORIES OF ENTREPRENEURS FROM THE NORTH EASTERN REGION 

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HER & NOW MENU

XPRIZE

MEET THE GRAND PRIZE WINNER CHANGING THE WORLD WITH AI FOR GOOD

XPRIZE AI IBM Watson 

WHO WHAT ACT STORIES

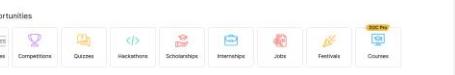
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Gamifying Learning, Engagements and Hiring while connecting students, professionals, companies, colleges, educators and learners 

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DASSAULT SYSTEMES La Fondation 

Seed The Future Entrepreneurs Under Students Entrepreneurs Program Season 2021

Program for Schools by La Fondation Dassault Systemes, India In collaboration with Atal Innovation Mission – Government of India



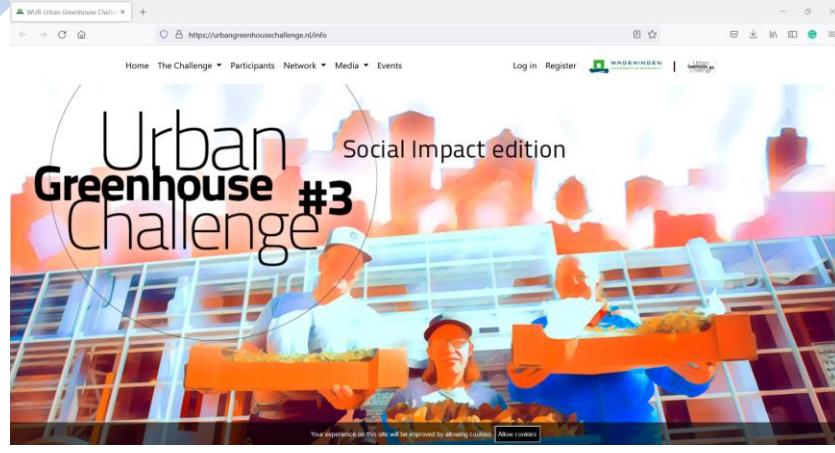
Creating Culture of Innovation and Entrepreneurship amongst school students

Project implemented and developed in India by La Fondation Dassault Systemes et la Fondation Europe 

DS FONDATION La main à la pâte

2021 Wrigley Sustainability Prize

USC Dornsife 
Wrigley Institute for Environmental Studies



A screenshot of the USC Viterbi Maseeh Entrepreneurship Prize Competition website. It highlights the competition's focus on social impact challenges like food security, health education, and environment. It mentions a \$50,000 grand prize and a virtual pitch competition on April 16, 2021. A "2021 MPP REGISTRATION" button is visible.

A screenshot of the Solar Decathlon India website. It features a collage of images related to the competition, including team members and the Solar Decathlon logo. A large "28 Organisations" graphic is prominent, along with a circular diagram illustrating the contribution to Sustainable Development Goals.

A screenshot of the University of Southern California Blackstone LaunchPad by StartupTree Ideas Competition website. It shows the competition details, including the start date (September 27, 2021), deadline (October 21, 2021), and that it's a virtual competition. It also lists upcoming events like the Grief Center Meet the Neighbors: StartEngine and The Queen's Entrepreneurs' Competition.

A screenshot of the MedTech Open Challenge Program 2.0 (OCP 2.0) website. It features sections for MEDI ELECTRONICS, HEALTH INFORMATICS, and 10+ HEALTH CARE. The "Open Challenge Program 2.0" section is highlighted.

A screenshot of the Faculty Development Programme for Faculty Mentors website. It discusses the programme's goal of preparing faculty mentors for the 2021-22 challenge. It features a video player showing a discussion between faculty members and students.

A screenshot of the MeITY Tide 2.0 website. It features a large banner with the text "MEITY TIDE 2.0" and illustrations of people interacting with technology. The page is associated with the Ministry of Electronics and Information Technology, Government of India, and IMCALTA.

How to start
with projects

Competitions

- National
- International
- Local

Academics

The Scratch interface is shown, featuring a script editor on the left with various blocks (Motion, Looks, Sound, Events, Control, Sensing, Operators, Variables, My Blocks) and a stage area with a cat sprite in the center.

khanacademy

The Khan Academy website is displayed, showing a user profile for "shatadpurohit" and a list of courses under "My courses". Courses include Computer programming, Electrical engineering, and Differential equations.

Scratch

edx

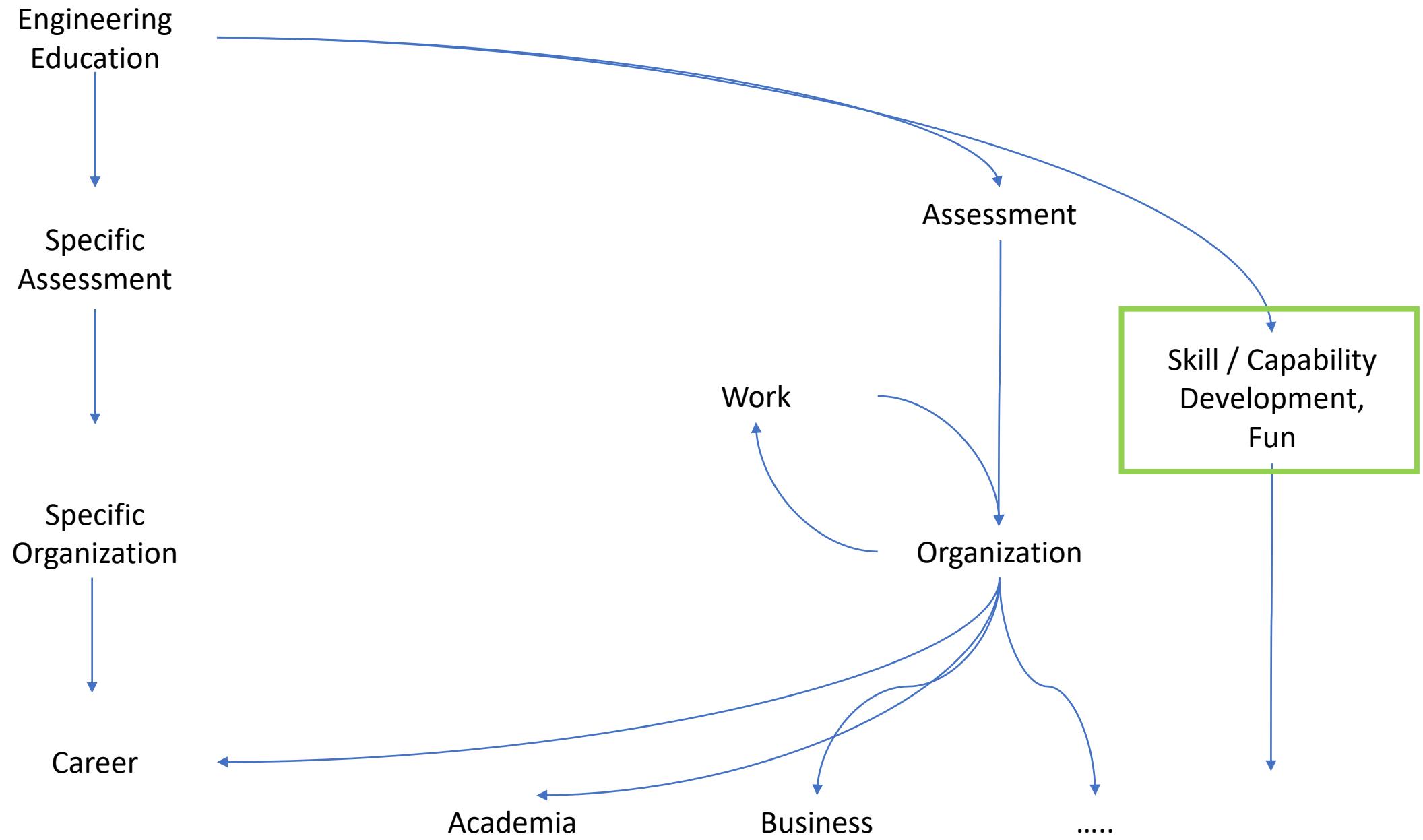
The edX search results page for "Robotics" is shown, displaying various courses from different universities like ColumbiaX, ETHx, and UCIx.

coursera

The Coursera search results page for "Physical Science and Engineering" is shown, displaying courses from the University of Colorado Boulder, University of Michigan, and University of California, Davis.

MITOCW

Course #	Course Title	Level
2.003	Modeling Dynamics and Control I (Spring 2005)	Undergraduate
2.003J	Dynamics and Vibration (13.013J) (Fall 2002)	Undergraduate
2.003L	Dynamics and Control I (Spring 2007)	Undergraduate
2.003M	Dynamics and Control I (Fall 2007)	Undergraduate
2.004	Modeling Dynamics and Control II (Spring 2003)	Undergraduate
2.004J	Dynamics and Control II (Fall 2007)	Undergraduate
2.004L	Dynamics and Control II (Spring 2008)	Undergraduate
2.004M	Dynamics and Control II (Fall 2008)	Undergraduate
2.004N	Dynamics (Fall 2004)	Graduate
2.004P	Systems and Controls (Spring 2013)	Undergraduate
2.12	Introduction to Robotics (Fall 2005)	Undergraduate
2.14	Analysis and Design of Feedback Control Systems (Spring 2014)	Undergraduate
2.141	Modeling and Simulation of Dynamic Systems (Fall 2006)	Graduate
2.154	Maneuvering and Control of Surface and Underwater Vehicles (13.49) (Fall 2004)	Graduate
2.160	Identification, Estimation, and Learning (Spring 2006)	Graduate
2.161	Signal Processing: Continuous and Discrete (Fall 2008)	Graduate
2.171	Analysis and Design of Digital Control Systems (Fall 2006)	Graduate
2.18	Biomechanical Feedback Systems (Spring 2015)	Undergraduate
2.737	Mechatronics (Fall 2014)	Graduate
10.450	Process Dynamics, Operations, and Control (Spring 2006)	Undergraduate
16.07	Dynamics (Fall 2009)	Undergraduate
16.81	Aerospace Dynamics (Spring 2003)	Undergraduate
22.921	Nuclear Power Plant Dynamics and Control (January IAP 2006)	Undergraduate



Preliminary objectives

- Build Interest towards solutions
- Train participants
- Provide guidance on academic projects



Intermediate Objectives

Equip

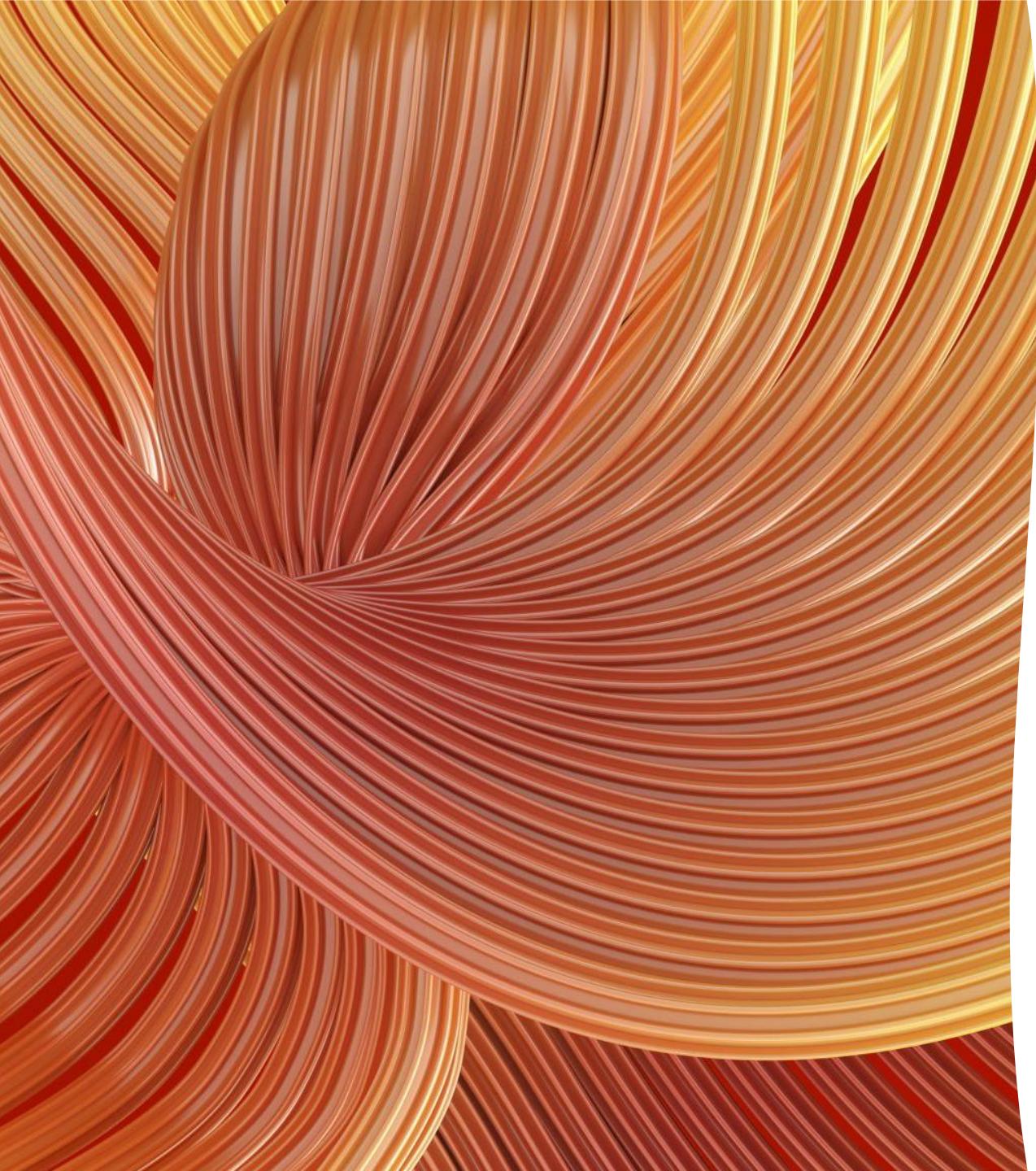
Equip participants with state-of-the-art in technology, business, etc

Network

Network individuals

Support

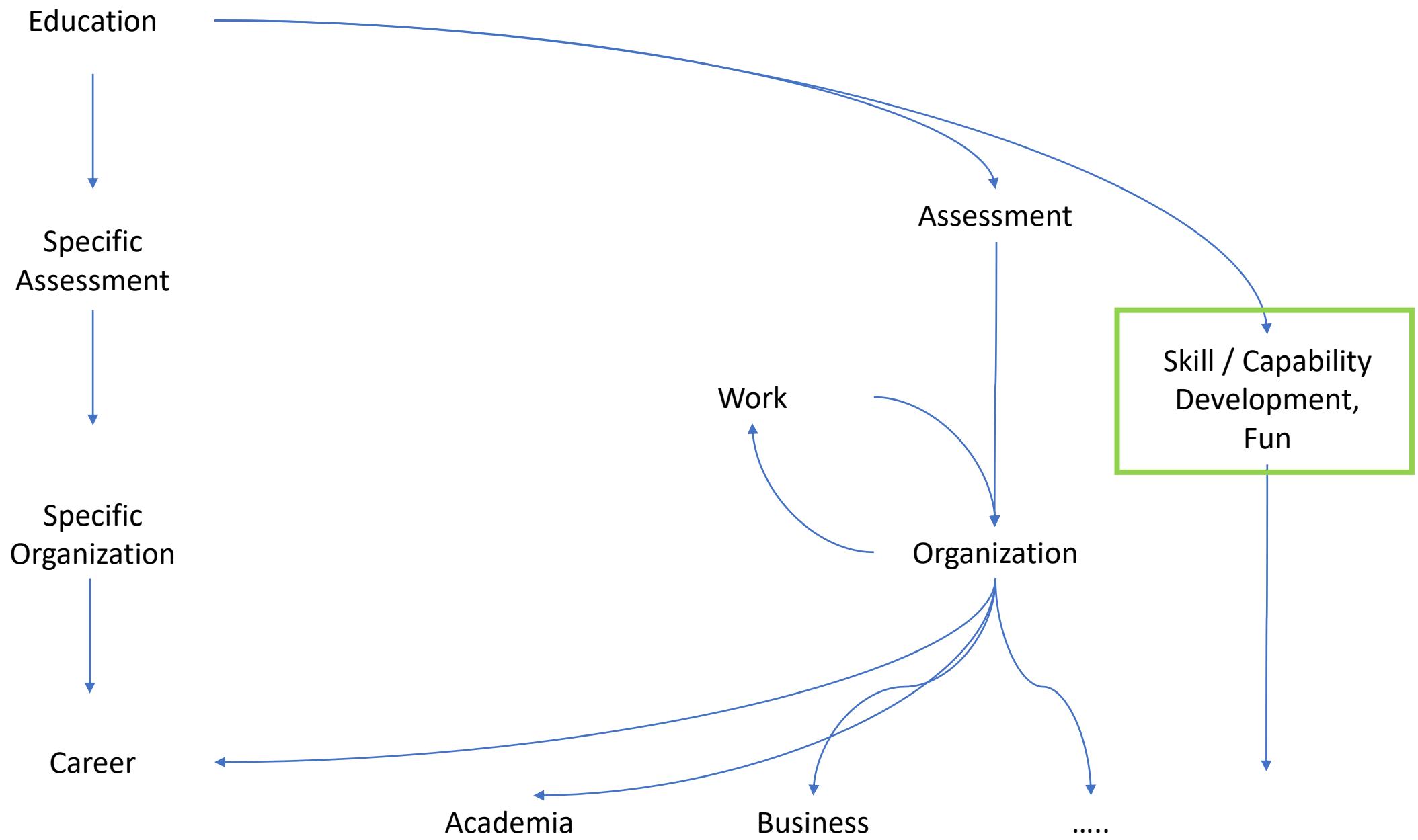
Support participants for project competition

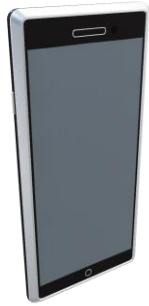


Advanced objectives

Implement
solutions, scale,
and extend

Generate
economic activities
from enterprises





Long Term Project Based Skill Development

दीर्घकालीन प्रकल्प आधारित कौशल विकास

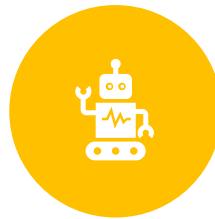
6 COMMUNITIES OF SARW PLATFORM



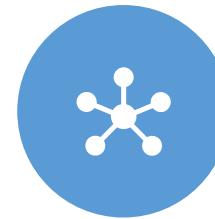
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AND AGRICULTURE



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AND EDUCATION



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LANGUAGES AND
CULTURES



ARTS AND
HEALTHCARE



SPORTS AND
SOCIOLOGY

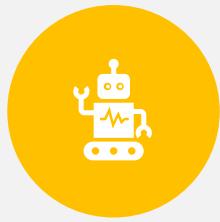
6 COMMUNITIES OF SARW PLATFORM



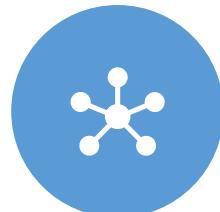
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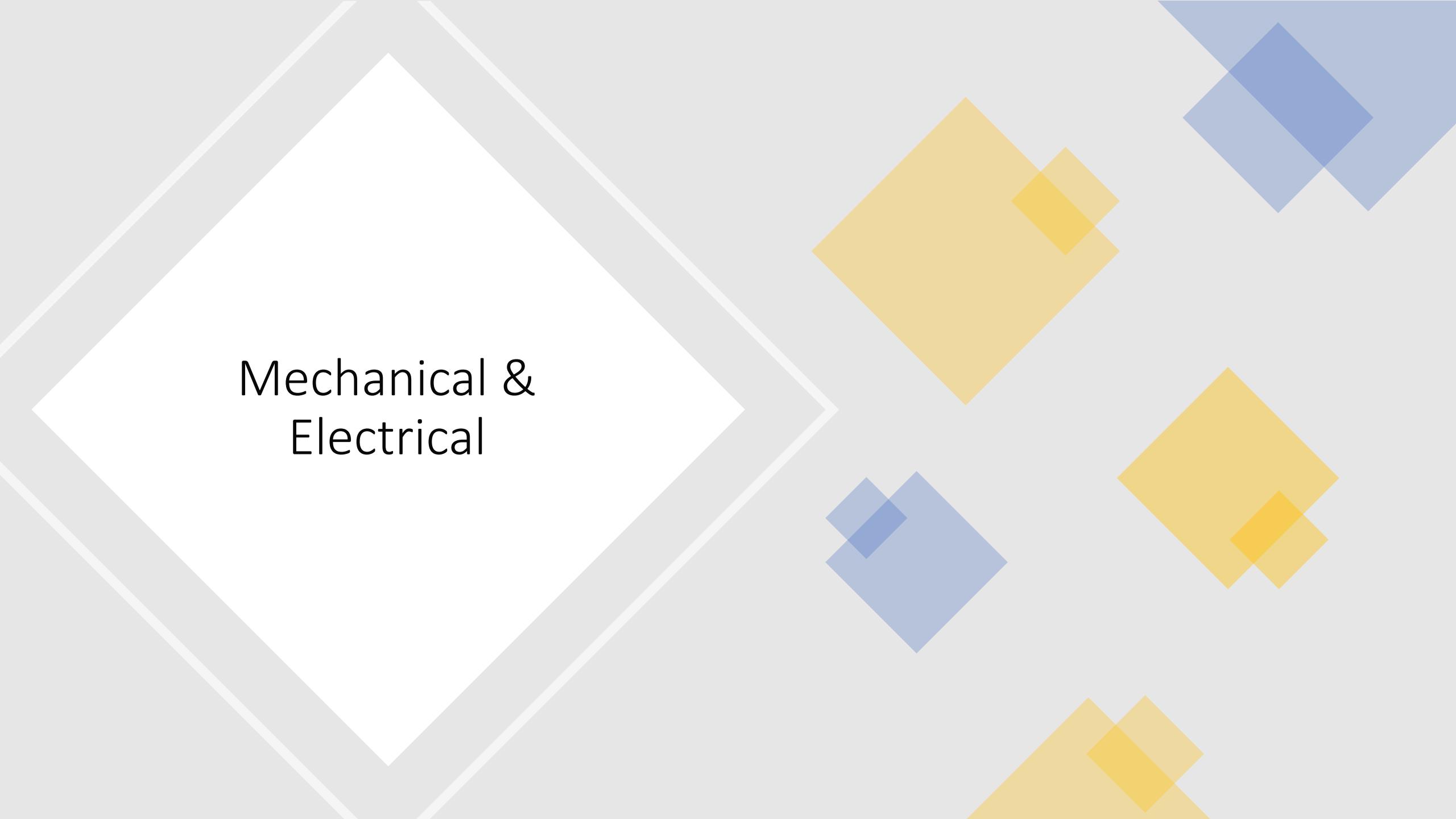
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CULTURES



ARTS AND
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SPORTS AND
SOCIOLOGY



Mechanical &
Electrical

Mechanical & Electrical

Robots for Social Good – Surveillance,
Agriculture, Healthcare

Renewable Energy – Solar

HVAC – Smart Infrastructure

Operational Research - Supply Chain

www.sarw.life

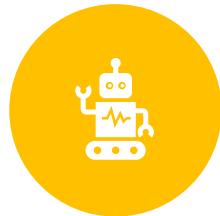
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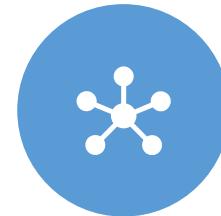
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SOCIOLOGY

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Green
Marathwada

The Natural
Fiber Project

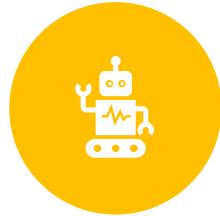
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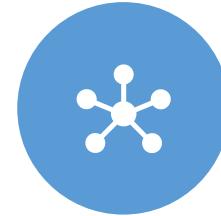
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PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

Visit **Climate Change and Agriculture** community page on SARW website

<https://www.sarw.life/climate-change-and-agriculture>

...

Green
Marathwada

Group of MSBECL alumni bringing in corporate CSR for
Marathwada

The Natural
Fiber Project

Proposed System for Promoting Natural Fiber Based
Textiles – To increase farmer's income, increase green
cover and conserve cultures



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...

Green
Marathwada

The Natural
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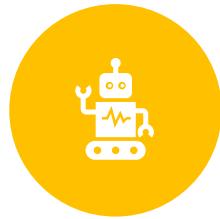
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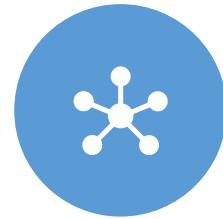
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PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

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Animations for Itihasa

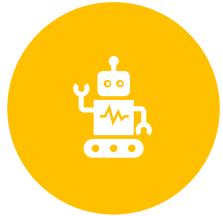
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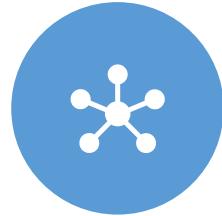
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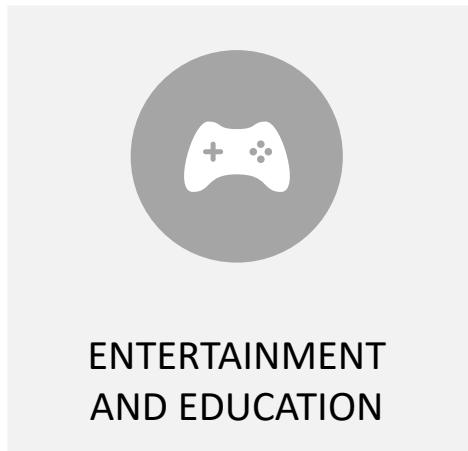
<https://www.sarw.life/entertainment-and-education>

...

Games and
Animations for Itihasa

Proposed project to bind animation and game dev tools
to Bhartiya Itihasa of thousands of years

...



गेम आणि ऑनिमेशन डेव्हलपमेंट टेक्नोलॉजीज
Game and Animation Development Technologies

Before After

हजारों साल का इतिहास Itihasa of Thousands of Years

राष्ट्रकूट वंश
Rashtrakoot dynasty

देहरां वंश
Dehara dynasty

चालुक्य वंश
Chalukya dynasty

पल्लव वंश
Pallava dynasty

सातवाहन वंश
Satavahan dynasty

विजयनगर साम्राज्य
Vijayanagar Empire

पाण्ड्या वंश
Pandya dynasty

गद्यवंशी
Gadwyas

गृहिणा राजवंश
Gruhinya Rajvansh

...
....

PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

...

Games and
Animations for Itihasa

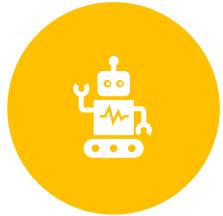
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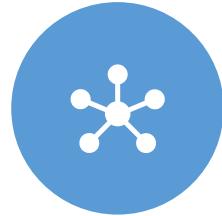
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PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

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Healthcare Robot

Surveillance Swarm

...



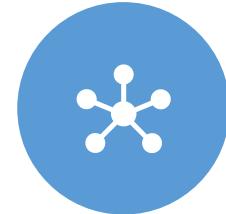
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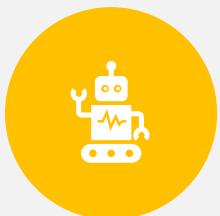
<https://www.sarw.life/robots-for-social-situations>

...

Healthcare Robot

Surveillance Swarm

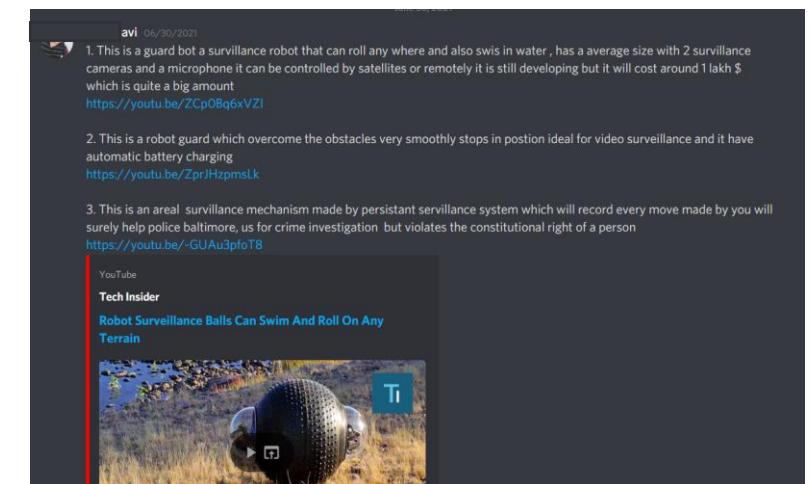
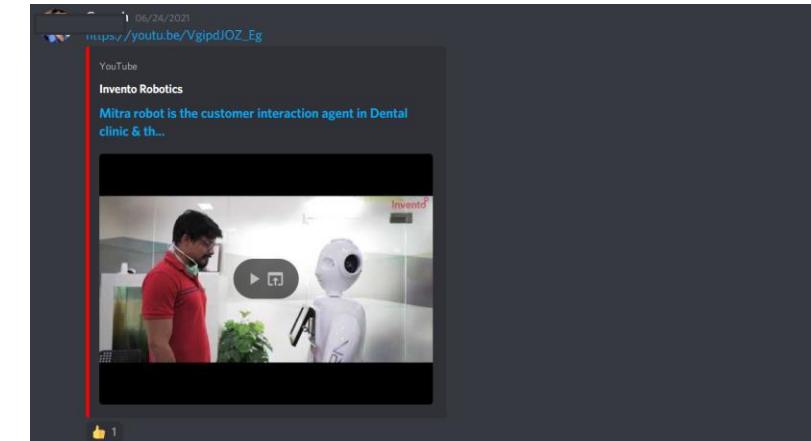
...



ROBOTS FOR
SOCIAL SITUATIONS

2nd year Mech student
considering healthcare
robot for a project

10th standard student
started looking into
application of robots in
surveillance



PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

...

Healthcare Robot

Surveillance Swarm

...



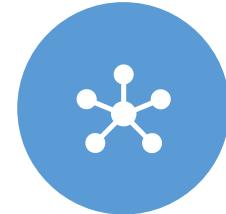
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ROBOTS FOR
SOCIAL SITUATIONS



LANGUAGES AND
CULTURES



ARTS AND
HEALTHCARE



SPORTS AND
SOCIOLOGY

PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

...

Sanskrit Social
Network Platform

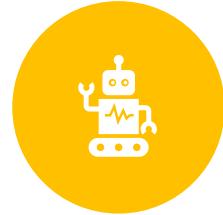
...



CLIMATE CHANGE
AND AGRICULTURE



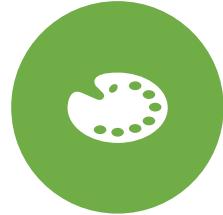
ENTERTAINMENT
AND EDUCATION



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PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

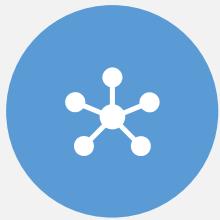
Visit **Languages and Cultures** community page on SARW website

<https://www.sarw.life/languages-and-cultures>

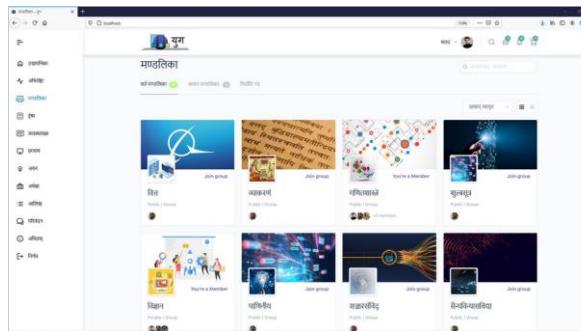
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Sanskrit Social
Network Platform

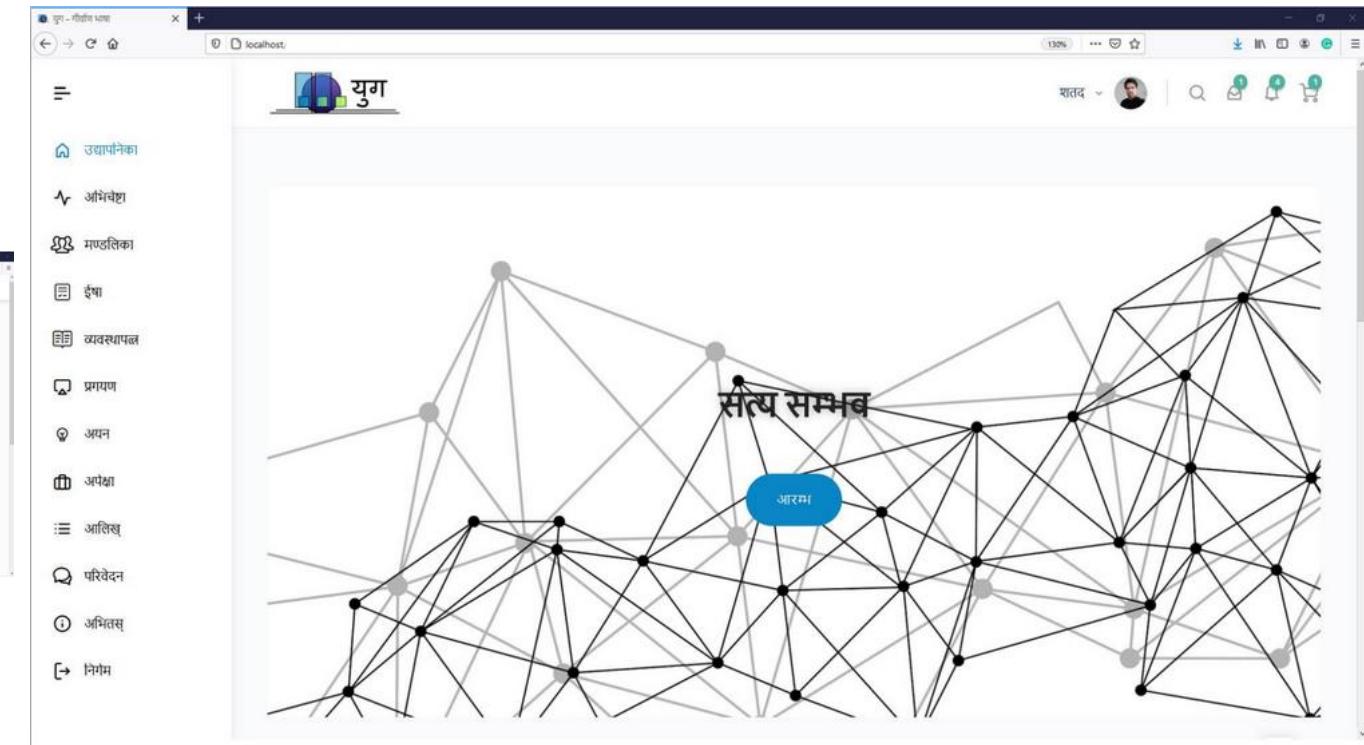
...



LANGUAGES AND
CULTURES



Project proposal to build Samskrit
Social Network Platform



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Sanskrit Social
Network Platform

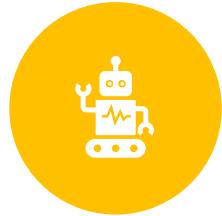
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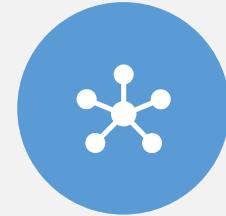
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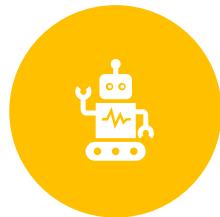
PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:



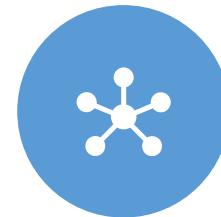
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SPORTS AND
SOCIOLOGY

...

Systems for Art Forms

TB System-of-systems
Dashboard

...

PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

Visit **Arts and Healthcare** community page on SARW website

<https://www.sarw.life/arts-and-healthcare>

...

TB System-of-systems
Dashboard

Proposed project to build SoS healthcare
dashboard for semi-gov organizations

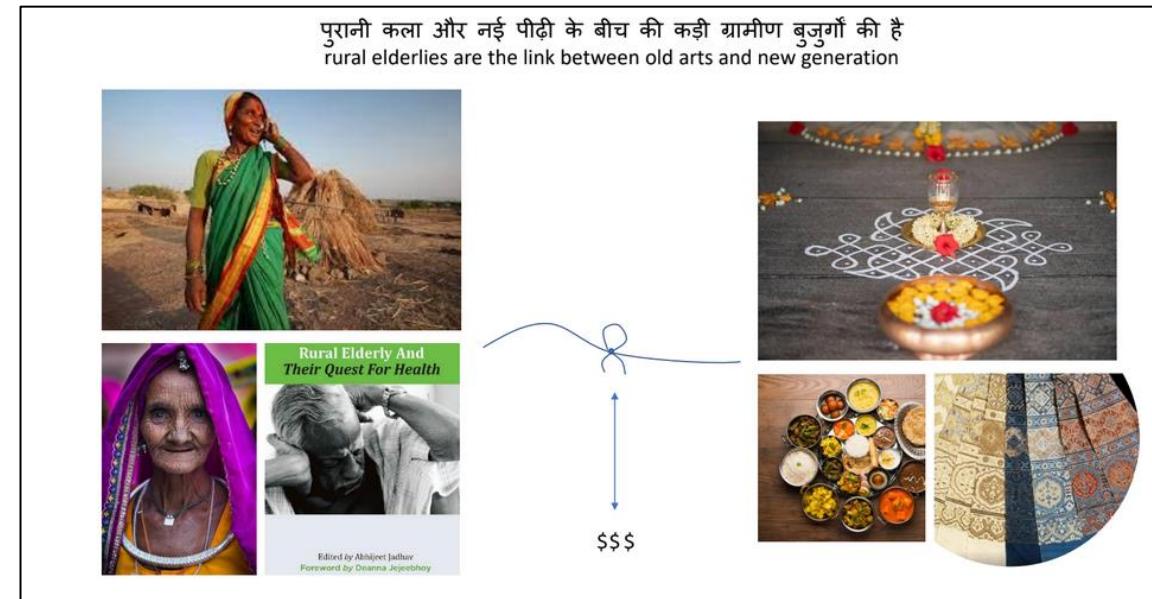
Systems for Art Forms

Proposed System to connect antient
Bhartiya dying artform with business

...



ARTS AND
HEALTHCARE



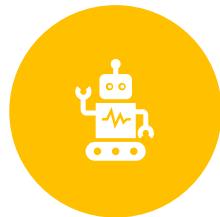
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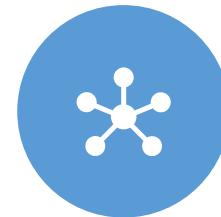
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PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

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Indapur Eco Tour

Sports Event
Management System

Maharashtra Forts'
Digital Mapping

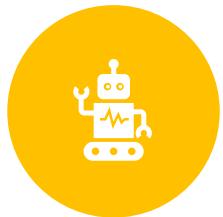
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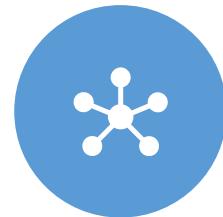
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PROJECTS THAT ARE UTILIZING THE SARW PLATFORM ARE:

Visit **Sports and Sociology** community page on SARW website

<https://www.sarw.life/sports-and-sociology>

...

Indapur Eco Tour

Travelling and Tourism professional building
a website related to Indapur Tourism

Sports Event
Management System

Maharashtra Forts'
Digital Mapping

...



SPORTS AND
SOCIOLOGY



Proposed project to tie event management and sports to promote outdoor activities. Use sports as a means to unite rural populations.

Proposed Project to
digitally map Maharashtra's
forts



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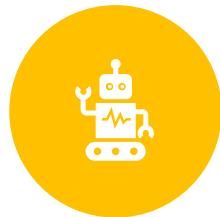
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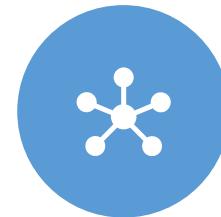
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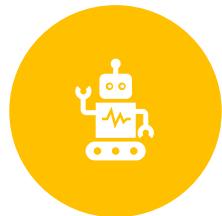
What situations you want to solve?



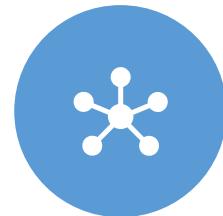
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