Annual Report 2021-22

Narsimha Reddy Engineering College, Secunderabad has established institution innovation council (IIC) as per the norms of Innovation cell, Ministry of HRD, Govt. Of India during IIC Calender year 2018-19.

To promote innovation and start-up in campus during the IIC calendar year 2018-19 the institution got two star rating. The IIC cell and entrepreneurship Cell undertakes various activities prescribed by Innovation cell, Ministry of Education, Govt. Of India to promote Innovation and start-up in campus during the IIC calendar year 2019-20 the institute got five stars rating.

4 Star Rating Certificate for the Year 2020 – 21

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL

CERTIFICATE

Institution Innovation Council (IIC) established at

Narsimha Reddy Engineering College , SECUNDERABAD

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2019-20.

Prof.Anil D.Sahasrabudhe
Chairman, AICTE

Sh. Amit Khare
Secretary, Department of Higher Education, MOE

Dr. Abhay Jere
CIO, MOE, Innovation Cell

Certificate No : 274

Issued On : 2020-09-22

5 Star Rating Certificate for the Year 2019 – 20

MHRD'S INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL

CERTIFICATE

Institution Innovation Council (IIC) established at

Narsimha Reddy Engineering College , SECUNDERABAD

had undertaken various activities prescribed by Innovation Cell, Ministry of HRD, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2018-19.

Prof.Anil D.Sahasrabudhe
Chairman, AICTE

Shri. R. Subrahmanyam
Secretary, MHRD

Dr. Abhay Jere
CIO, MHRD, Innovation Cell

Certificate No : 274

Issued On : 2019-11-06

NRCM has established Instiution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell (MIC)' in the year 2018-19. The initiative was to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish function ecosystem for scouting ideas and pre-incubation of ideas and to develop better cognitive ability for technology students. NRCM IIC is actively involved in organizing and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship bootcamps, Idea competitions etc. for its students and faculties.

After the success of IIC 2.0, the Institution's Innovation Council up-gradation meeting was held on 27th September, 2019 on an online mode. The meeting was called upon by IIC President Dr. Dr. U.M.FERNANDES DIMLO Professor & Head /CSE to congratulate all for attaining 5 Star Rating for the academic year 2019-20, 4 star rating for academic year 2020-21 and plan the activities for the First Quarter for the year 2021-22. The IIC member details for the academic year 2020-21 are as follows:

Sr. No.	Name of Member	Member Type (Teaching/ Non-teaching / External Expert)	Key Role/ Position assigned in IIC
1	Dr.U.M.Fernandes Dimlo	Teaching	President
2	Dr. Tiwari DP Honey	Teaching	Vice President
3	Dr.R.Rajagopal	Teaching	Convener
4	Dr.Raman	Teaching	Innovation Activity Coordinator
5	Dr. Murugesan	Teaching	Internship Coordinator
6	Dr. K.Eswaramoorthy	Teaching	IPR & NIRF Coordinator
7	Mrs. Ch.Srilakshmi	Teaching	Social Media Coordinator
8	Mrs. A.Sravanthi	Teaching	Startup Coordinator
9	V. Bhakar Reddy	External Expert	Industry Expert
10	G.Saritha	External Expert	Industry Expert
11	P.Akansha	Student	Members
12	B.Pavani	Student	IPR Coordinator
13	k.Hemalatha	Student	Social Media Coordinator
14	M.Chaitanya Achutha	Student	Internship Coordinator
15	P.Swarna Darshini	Student	Startup Coordinator
16	G. Abhishek	Student	Innovation Coordinator

The Institution's Innovation council of MHRD's Innovation Cell organised a series of training programs exclusively for IIC members. During the current academic year, six of the faculty members have completed these training sessions and are designated as "IIC - Innovation Ambassador". They are trained to play a role of mentor or guide for young minds in their pursuit of innovation and entrepreneurship.

This is to certify that

Dr.R.Rajagopal

of

Narsimha Reddy Engineering College , Telangana

has undergone Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.

Prof.Anil D.Sahasrabudhe
Chairman, AICTE

Dr. Abhay Jere
CIO, MoE's, Innovation Cell

Date of Issue: 30-07-2021

E-certificate No : 7385

CERTIFICATE OF PARTICIPATION

Mrs.A.SRAVANTHI

Narsimha Reddy Engineering College

Successfully Completed Training on "IPR & Technology Transfer" conducted as part of

IIC Innovation Ambassador Training Series

Organized by Institution's Innovation Council of MHRD's Innovation Cell, AICTE held at MLR Institute of Technology, Hyderabad, Telangana on 6-7 February 2020.

Prof. Anil D. Sahasrabudhe
Chairman
AICTE

Prof. M.P. Poonia
Vice Chairman
AICTE

Dr. Abhay Jere
Chief Innovation Officer
MHRD's Innovation Cell

scan to verify

eCertificate No : 1154

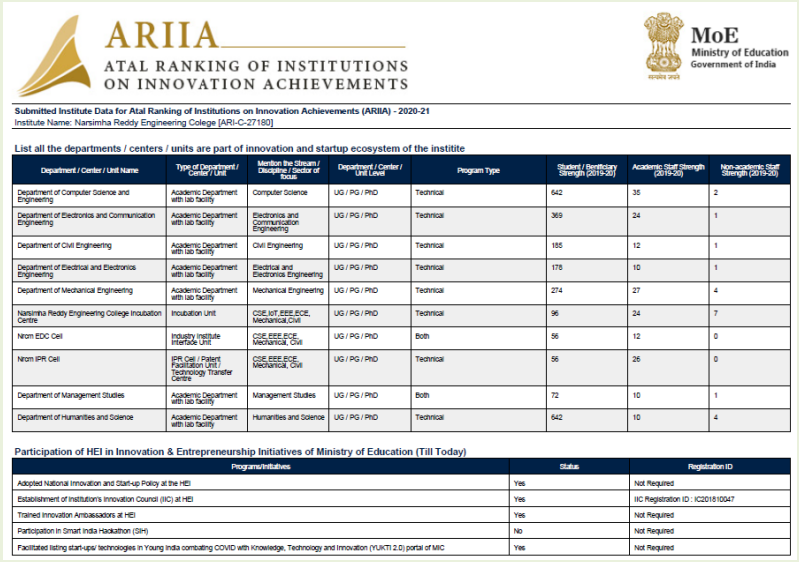
Date of issue: 15-02-2020

Detail of Social Media & Connections of IIC institute
https://www.facebook.com/NarasimhaReddyEngineeringCollege.NRCM/
https://twitter.com/nrcm_college?lang=en
https://www.instagram.com/narsimhareddycollege_nrcm/?hl=en

The IIC Calendar Activities are distributed in four quarters. Every quarter comprises IIC Calendar activity, MIC Driven Activity and Self Driven activity. IIC Calendar activity and Self driven activities are planned and conducted by the IIC members for the benefit of its students and faculty members

The Faculty Innovation Ambassador online training 2020-21 completed are:
Dr. Tiwari Durgaprasad Honey
Dr.R.Rajagopal

The institute has every year participated in various programs of Central and Stage Govt. programs like ARIIA Ranking, Smart India Hackathon etc.



ARIIA
ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

MoE
Ministry of Education
Government of India

Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21
Institute Name: Narsimha Reddy Engineering College [ARI-C-27180]

List all the departments / centers / units are part of innovation and startup ecosystem of the institite

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	642	35	2
Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	369	24	1
Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	185	12	1
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	178	10	1
Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	274	27	4
Narsimha Reddy Engineering College Incubation Centre	Incubation Unit	CSE,IoT,EEE,ECE, Mechanical,Civil	UG / PG / PhD	Technical	96	24	7
Nrcm EDC Cell	Industry Institute Interface Unit	CSE,EEE,ECE, Mechanical, Civil	UG / PG / PhD	Both	56	12	0
Nrcm IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	CSE,EEE,ECE, Mechanical, Civil	UG / PG / PhD	Technical	56	26	0
Department of Management Studies	Academic Department with lab facility	Management Studies	UG / PG / PhD	Both	72	10	1
Department of Humanities and Science	Academic Department with lab facility	Humanities and Science	UG / PG / PhD	Technical	642	10	4

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC20181004?
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required

IIC Regional Meet held on 12th Aug 2022 @ Sreenidhi Institute of Science and Technology, Hyderabad. 4 Faculty Members were attended, it's a Knowledge sharing session on IIC, NISP, ARIIA and IP and Technology Transfer also explained the features of YUKTI in the IIC Regional Meet.

Azadi Ka Amrit Mahotsav
MoE's INNOVATION CELL (GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
SREENIDHI EDUCATIONAL GROUP
SNIST
Regional Meet
Institutions' Innovation Council
MoE's Innovation Cell
Certificate of Participation
Dr.Poli Reddy
Narsimha Reddy Engineering College , Telangana
has participated in the regional meet held on 12th Aug 2022 at
Sreenidhi Institute of Science and Technology, Hyderabad.
Dr.Shruti Bhargava Choubey
IIC President,
Sreenidhi Institute of Science
and Technology, Hyderabad
Mr. Dipan Sahu
Assistant Innovation Director
MoE's Innovation Cell

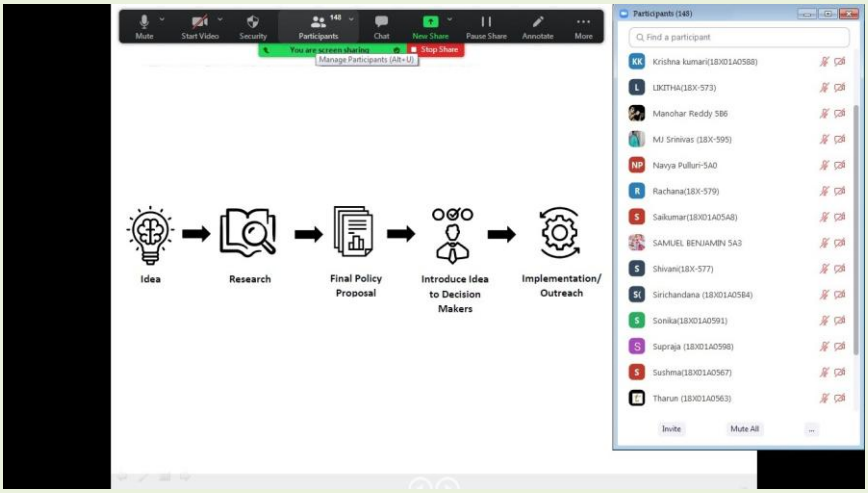
Azadi Ka Amrit Mahotsav
MoE's INNOVATION CELL (GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
SREENIDHI EDUCATIONAL GROUP
SNIST
Regional Meet
Institutions' Innovation Council
MoE's Innovation Cell
Certificate of Participation
Dr.R.Rajagopal
Narsimha Reddy Engineering College , Telangana
has participated in the regional meet held on 12th Aug 2022 at
Sreenidhi Institute of Science and Technology, Hyderabad.
Dr.Shruti Bhargava Choubey
IIC President,
Sreenidhi Institute of Science
and Technology, Hyderabad
Mr. Dipan Sahu
Assistant Innovation Director
MoE's Innovation Cell

Azadi Ka Amrit Mahotsav
MoE's INNOVATION CELL (GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
SREENIDHI EDUCATIONAL GROUP
SNIST
Regional Meet
Institutions' Innovation Council
MoE's Innovation Cell
Certificate of Participation
Dr.C.R.Raman
Narsimha Reddy Engineering College , Andhra Pradesh
has participated in the regional meet held on 12th Aug 2022 at
Sreenidhi Institute of Science and Technology, Hyderabad.
Dr.Shruti Bhargava Choubey
IIC President,
Sreenidhi Institute of Science and Technology, Hyderabad
Mr. Dipan Sahu
Assistant Innovation Director
MoE's Innovation Cell

Azadi Ka Amrit Mahotsav
MoE's INNOVATION CELL (GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
SREENIDHI EDUCATIONAL GROUP
SNIST
Regional Meet
Institutions' Innovation Council
MoE's Innovation Cell
Certificate of Participation
DrK Eswaramoorthy
Narsimha Reddy Engineering College , Telangana
has participated in the regional meet held on 12th Aug 2022 at
Sreenidhi Institute of Science and Technology, Hyderabad.
Dr.Shruti Bhargava Choubey
IIC President,
Sreenidhi Institute of Science and Technology, Hyderabad
Mr. Dipan Sahu
Assistant Innovation Director
MoE's Innovation Cell

Activity Planner for Quarter I
Thrust Area: Inspiration, Motivation and Ideation

S.No	Activity
1.	IIC Council formation or upgradation (of existing council) at Institute level
2.	Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for mentorship support
3.	Session on Problem Solving and Ideation Workshop
4.	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.
5.	"Entrepreneurship and Innovation as Career Opportunity
6.	My Story - Motivational Session by Successful Innovators.
7.	Change by Design: How Design Thinking Transforms Organizations and Inspires innovation
8.	Idea Stormers: How to Lead and Inspire Creative Breakthroughs
9.	The Innovation Mode: How to Transform Your Organization into an Innovation Powerhouse
10.	Creativity and Innovation in Organizations
11.	National Innovation Day
12.	**National Innovation Day**
13.	**India Startup Day**



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ACCREDITED BY NBA & NAAC WITH A-GRADE, UGC 2(f) & 12 (B)

Institutions Innovation Council (IIC)

Presents Online Webinar

on

" My Story - Motivational Session by Successful Entrepreneur/Start-up founder."

Mr. G. Vinoth

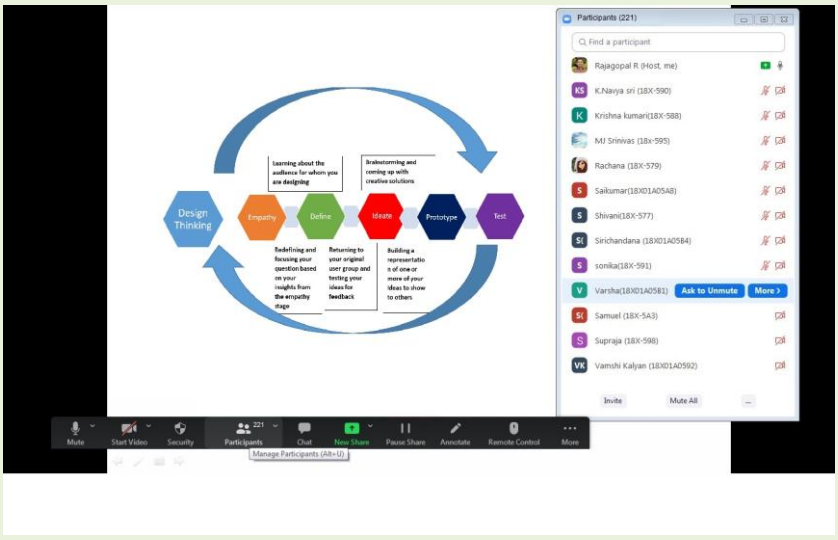
Motivational Speaker, Technical Leader at Cisco

Date: 09.10.2021 Time: 10.00AM

Meeting ID: 943 758 8294

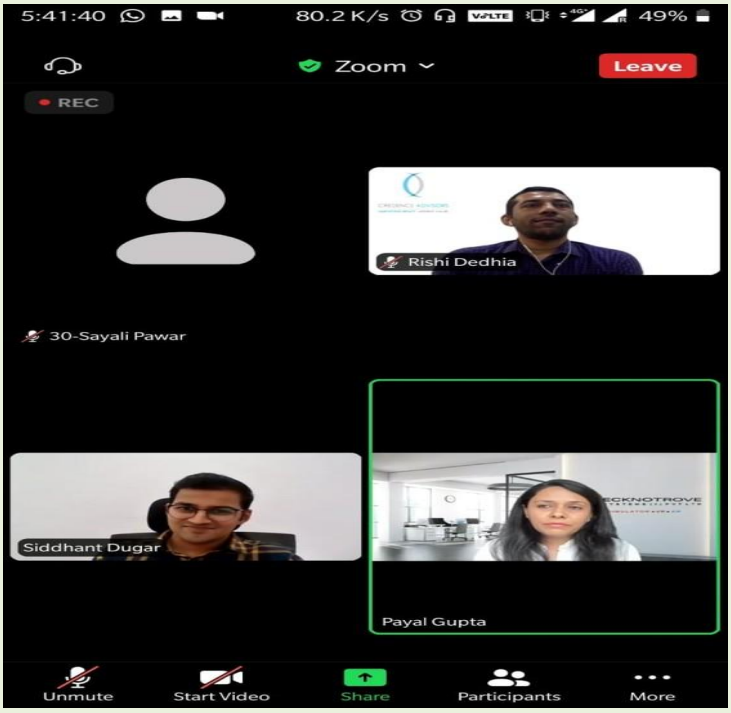
Activity Planner for Quarter II
Thrust Area: Validation and Concept Development

S.No	Activity
1.	Workshop on Design Thinking, Critical thinking and Innovation Design
2.	Workshop on Entrepreneurship Skill, Attitude and behaviour development
3.	Session on Achieving Problem-Solution Fit & Product-Market Fit
4.	Workshop on “Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercilation of Lab Technologies”
5.	Session on Process of Innovation Development
6.	Session on identifying Intellectual Property component at the early stage of Innovation
7.	Workshop on Entrepreneurship Development Phases
8.	Seminor on Innovative Idea Generation
9.	E-Symposium on Building Innovation Ecosystem in Educational Institutions- Day 1 (11th Jan 2022)
10.	E-Symposium on Building Innovation Ecosystem in Educational Institutions- Day 2
11.	Orientation Session on IIC 4.0 & Features
12.	National Science Day
13.	National Energy Conservation Day
14.	National Pollution Control Day



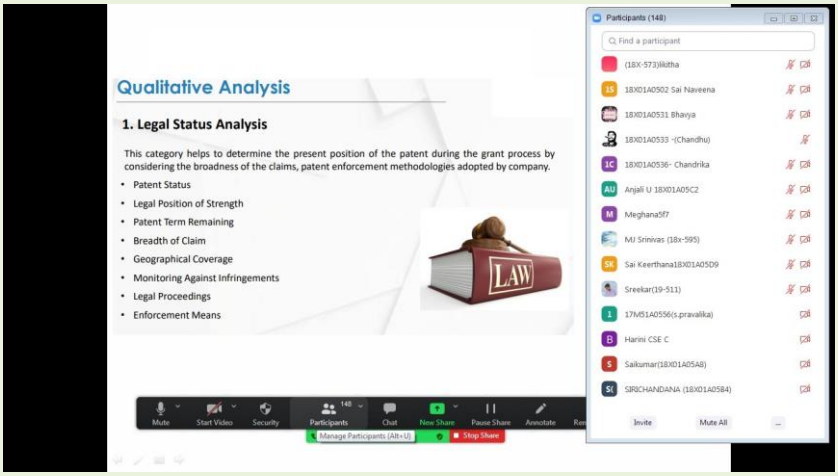
8 STEPS TO BECOME MORE RESILIENT
1 Accept change
2 Become a continuous learner
3 Take charge
4 Find your sense of purpose
8 Skill shift
7 Reflect
6 Cultivate relationships
5 Pay attention to self-identity
Participants (148)

Entrepreneurship
Brings all the factors of production together in a profitable way
Characteristics of an entrepreneur
Trustworthy
Enthusiastic
Risk taker
Professional
Honest
Hard working
Energetic
Passionate
Anatomy of an Entrepreneur
Participants (151)


5:41:40
80.2 K/s
49%
Zoom
Leave
REC
Rishi Dedhia
30-Sayali Pawar
Siddhant Dugar
Payal Gupta
Unmute
Start Video
Share
Participants
More

Activity Planner for Quarter III
Thrust Area: Validation and Innovation & Business Model Development

S.No	Activity
1.	Workshop on Intellectual Property Rights (IPRs) and IP management for start up
2.	Session on "How to plan for Start-up and legal & Ethical Steps"
3.	Workshop on Business Model Canvas (BMC)
4.	Workshop on Prototype/Process Design and Development - Prototyping
5.	Seminar on Creativity in Product Innovation
6.	Session on Business Model Innovation in the Era of the Internet of Things
7.	workshop on Business Model Innovation: Concepts, Analysis, and Cases
8.	webinar on Business Models-Innovation, Digital Transformation, and Analytics


Qualitative Analysis
1. Legal Status Analysis
This category helps to determine the present position of the patent during the grant process by considering the broadness of the claims, patent enforcement methodologies adopted by company.
• Patent Status
• Legal Position of Strength
• Patent Term Remaining
• Breadth of Claim
• Geographical Coverage
• Monitoring Against Infringements
• Legal Proceedings
• Enforcement Means
LAW
Participants (148)
Find a participant
(18X-573)Ikitha
18X01A0502 Sai Naveena
18X01A0531 Bhavya
18X01A0533 -(Chandhu)
18X01A0536- Chandrika
Anjali U 18X01A05C2
Meghana5f7
MJ Srinivas (18x-595)
Sai Keerthana18X01A05D9
Sreekar(19-511)
17M51A0556(s.pravalika)
Harini CSE C
Saikumar(18X01A05A8)
SIRICHANDANA (18X01A0584)
Invite
Mute All
Mute
Start Video
Security
Participants
Chat
New Share
Pause Share
Annotate
Manage Participants (Alt+U)
Stop Share

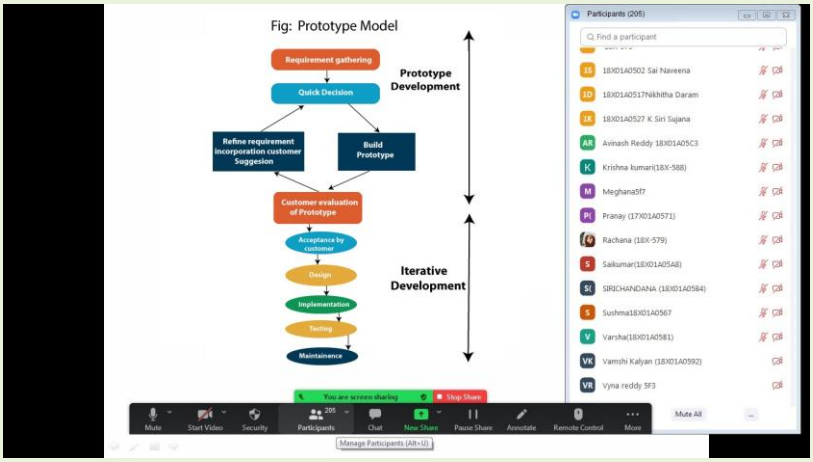
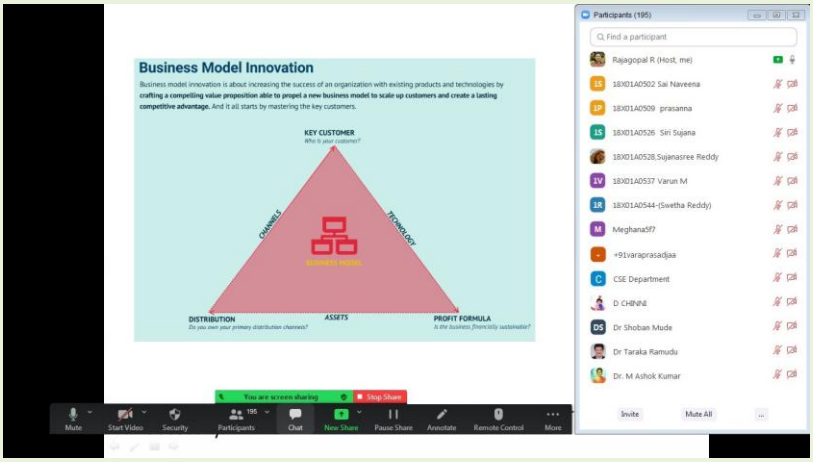
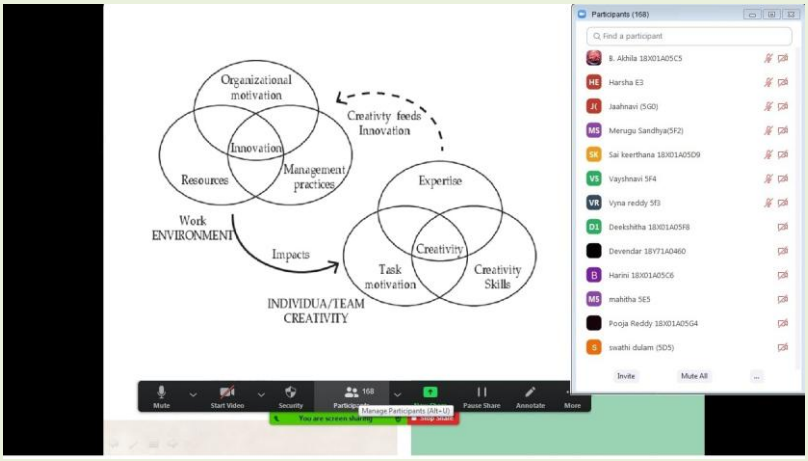


Fig: Prototype Model
Requirement gathering
Quick Decision
Refine requirement incorporation customer Suggesion
Build Prototype
Customer evaluation of Prototype
Acceptance by customer
Design
Implementation
Testing
Maintainence
Prototype Development
Iterative Development
Participants (205)
Find a participant
18X01A0502 Sai Naveena
18X01A0517Nikhitha Daram
18X01A0527 K Siri Sujana
Avinash Reddy 18X01A05C3
Krishna kumari(18X-588)
Meghana5f7
Pranay (17X01A0571)
Rachana (18X-579)
Saikumar(18X01A05A8)
SIRICHANDANA (18X01A0584)
Sushma18X01A0567
Varsha(18X01A0581)
Vamshi Kalyan (18X01A0592)
Vyna reddy 5F3
You are screen sharing
Stop Share
Mute
Start Video
Security
Participants
Chat
New Share
Pause Share
Annotate
Remote Control
More
Mute All
Manage Participants (Alt+U)


Business Model Innovation
Business model innovation is about increasing the success of an organization with existing products and technologies by crafting a compelling value proposition able to propel a new business model to scale up customers and create a lasting competitive advantage. And it all starts by mastering the key customers.
KEY CUSTOMER
Who is your customer?
CHANNELS
TECHNOLOGY
BUSINESS MODEL
DISTRIBUTION
Do you own your primary distribution channels?
ASSETS
PROFIT FORMULA
Is the business financially sustainable?
Participants (195)
Find a participant
Rajagopal R (Host, me)
18X01A0502 Sai Naveena
18X01A0509 prasanna
18X01A0526 Siri Sujana
18X01A0528,Sujanasree Reddy
18X01A0537 Varun M
18X01A0544-(Swetha Reddy)
Meghana5f7
+91varaprasadjaa
CSE Department
D CHINNI
Dr Shoban Mude
Dr Taraka Ramudu
Dr. M Ashok Kumar
Invite
Mute All
You are screen sharing
Stop Share
Mute
Start Video
Security
Participants
Chat
New Share
Pause Share
Annotate
Remote Control
More

Activity Planner for Quarter IV
Thrust Area: Validation and Start-up Development

S.No	Activity
1.	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs.
2.	Organise Session on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp (or) Mentoring Session
3.	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs
4.	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit"
5.	Building Institute Level YUKTI - National Innovation Repository (NIR)
6.	Participation of IIC Institutions in IIC Regional Meets
7.	session on "Out of the box thinking for problem solving"
8.	How to Validate Your Startup Business Idea
9.	Digital Business Models
10.	Build Products Businesses Wanted
11.	Lean Startups for Social Change & Marketing Strategy for Startups



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ACCREDITED BY NBA & NAAC WITH A-GRADE, UGC 2(f) & 12 (B)

Department of Mechanical Engineering & Institution's Innovation Council

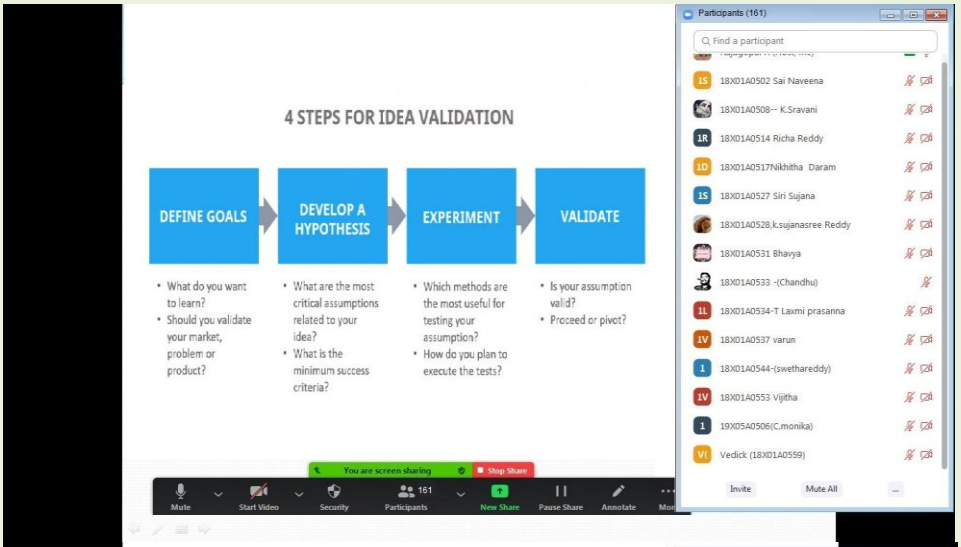
Organizing Workshop

on

"Lean Start-up & Minimum Viable Product/Business"- Mentoring Session

Date : 18-06-2022

Time : 10.00AM

Zoom ID
394 718 5168

Dr.M.JAWAHAR
PROFESSOR/CSE
Malla Reddy College of Engineering