



Annual Report 2020-21

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 Calendar 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.



5 Star Rating Certificate for the Year 2019 – 20



NRCM has established Institution'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 and plan the activities for the First Quarter for the year 20-21. 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.M.Jawahar	Teaching	Convener
4	Dr.P.Senthilkumar	Teaching	Innovation Activity Coordinator
5	Mr. P. Hanumantha Rao	Teaching	Internship Coordinator
6	Dr.M.Babu	Teaching	IPR & NIRF Coordinator
7	Mr. Lingam Gajjela	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

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.



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 institute							
Department / Center / Unit Name	Type of Department / Center / Unit	Mechan. Be./Status/ Discipline / Sector of Focus	Department / Center / Unit Level	Program Type	Student / Faculty Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff strength (2019-20)
Department of Computer Science and Engineering	Academic Department with IAB Facility	Computer Science	UG / PG / PHD	Technical	642	35	2
Department of Electronics and Communication Engineering	Academic Department with IAB Facility	Electronics and Communication Engineering	UG / PG / PHD	Technical	369	24	1
Department of Civil Engineering	Academic Department with IAB Facility	Civil Engineering	UG / PG / PHD	Technical	185	12	1
Department of Electrical and Electronics Engineering	Academic Department with IAB Facility	Electrical and Electronics Engineering	UG / PG / PHD	Technical	178	10	1
Department of Mechanical Engineering	Academic Department with IAB Facility	Mechanical Engineering	UG / PG / PHD	Technical	274	27	4
Narsimha Reddy Engineering College Incubation Centre	Incubation Unit	CSE, IIT, EEE, ECE, Mechanical, Civil	UG / PG / PHD	Technical	96	24	7
Non EDC Cell	Industry Institute Interface Unit	CSE, EEE, ECE, Mechanical, Civil	UG / PG / PHD	Both	56	12	0
Non IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	CSE, EEE, ECE, Mechanical, Civil	UG / PG / PHD	Technical	56	28	0
Department of Management Studies	Academic Department with IAB Facility	Management Studies	UG / PG / PHD	Both	72	10	1
Department of Humanities and Science	Academic Department with IAB 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 of the HEI		Yes	Not Required				
Establishment of Institutions Innovation Council (IIC) at HEI		Yes	IIC Registration ID - IC201810047				
Trained Innovation Ambassadors at HEI		Yes	Not Required				
Participation in Smart India Hackathon (SIH)		No	Not Required				
Facilitated listing start-up/technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MoE		Yes	Not Required				

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

S.No	Activity
1.	IIC Council formation or upgradation (of existing council) at Institute level
2.	Workshop on “Entrepreneurship and Innovation as Career Opportunity”
3.	My Story - Motivational Session by Successful Innovators
4.	My Story - Motivational Session by Successful Entrepreneur/Startup founder.
5.	Session on Problem Solving and Ideation Workshop
6.	Pitching workshop & linkage of innovators with Innovation Ambassadors
7.	Panel Discussion on Atmanirbhar Bharat- Vocal for Local, Make In India for

	the world.
8.	Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship)
9.	Seminar On Cyber Security
10.	Guest Lecture on Machine Learning
11.	Innovation Day
12.	Motivational speech on Entrepreneurship Startup
13.	Orientation Program to encourage various skills of the students
14.	Work Shop On Industrial Automation & Entrepreneurship
15.	Guest Lecture on Machine Learning
16.	Innovation Day
17.	Motivational speech on Entrepreneurship Startup
18.	Orientation Program to encourage various skills of the students
19.	Work Shop On Industrial Automation & Entrepreneurship

Activity Planner for Quarter II

October to January

Thrust Area: Validation and Concept Development

S.No	Activity
1.	KAPILA: Kalam Program for IP Literacy and Awareness
2.	Seminar on Mobile Communication
3.	Orientation Session on National Innovation and Startup Policy (NISIP)
4.	IKS Orientation Session
5.	Orientation session for all students & faculties of Institute by Innovation Ambassador
6.	Session on identifying Intellectual Property component at the early stage of Innovation
7.	Workshop on Entrepreneurship Development Phases
8.	Design Validation through various model of design validation
9.	Workshop on Design Thinking, Critical thinking and Innovation Design

10.	Session on Process of Innovation Development
11.	IIC Council Meeting- Review of Q1 progress and Planning for Q2.
12.	Webinar on Designing Drugs Against Corona Virus
13.	Webinar on The future of Cryptocurrency
14.	Workshop on Green and Clean Energy

Activity Planner for Quarter III

February to April

Thrust Area: Prototype, Design, Process Development for Business Model/
Process/ Services

S.No	Activity
1.	Mentorship Session for Innovators (or) Student Entrepreneurs through experts and (or) Innovation Ambassadors/Innovation Agent
2.	All Students & Faculties of Institute by Innovation Ambassador
3.	Workshop on Intellectual Property Rights (IPRs) and IP management for start up
4.	Interactive Session/Mentoring Session with "Successful Start-up founders" (Entrepreneurs in Campus)
5.	mentoring session on "How to plan for Start-up and Legal & Ethical Steps"
6.	Business Plan/Prototype Competition to Invite Innovative Business Models from Students
7.	talk on "From your Ph.D./ Masters Thesis to a start-up"
8.	IIC Council Meeting- Review of Q2 progress and Planning of Q3.
9.	Session on Why IP is important in academia?
10.	Business Model Canvas (BMC)
11.	Workshop on Prototype/ Process Design & Development- Prototyping
12.	Becoming a Woman Entrepreneur
13.	Law Relating to Intellectual Property
14.	Creativity and Innovation in Science and Technology
15.	Creativity, Innovation and Transformation

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your roots to success...

Mentorship Session for Innovation

Date : 08-01-2021

Speaker



Mrs.A.SRAVANTHI, Associate Professor / CS
 Trained Innovation Ambassadors
 Narsimha Reddy Engineering College

Zoom Meeting Controls: Mute, Start Video, Security, Participants (161), New Share, Pause Share, Annotate, More

Participants (161)

ID	Name	Status
1S	18X01A0502 Sai Naveena	Muted
	18X01A0508-- K.Sravani	Muted
1R	18X01A0514 Richa Reddy	Muted
1D	18X01A0517Nikhitha Daram	Muted
1S	18X01A0527 Siri Sujana	Muted
	18X01A0528,k.sujanasree Reddy	Muted
	18X01A0531 Bhavya	Muted
	18X01A0533 -(Chandhu)	Muted
1L	18X01A0534-T Laxmi prasanna	Muted
1V	18X01A0537 varun	Muted
1	18X01A0544-(swethareddy)	Muted
1V	18X01A0553 Vijitha	Muted
1	19X05A0506(C.monika)	Muted
1V	Vedick (18X01A0559)	Muted

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your roots to success...

Institution's Innovation Council

Orientation Session
 for

**All Students & Faculties of Institute
 by Innovation Ambassador**

Speaker



Dr.M.JAWAHAR
 PROFESSOR/CSE
 Narsimha Reddy Engineering College

Date : 23-01-2021

Time : 10.00AM

Join Zoom Meeting
<https://us02web.zoom.us/j/89189423504?pwd=OVRhdGhlam8KVGVZNXN0FYdzlkdlRBU T09>

Zoom Meeting Controls: Mute, Start Video, Security, Participants (161), New Share, Pause Share, Annotate, More



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Department of Computer Science and Engineering
and
Institution Innovation Council (IIC)



Jointly organize A Webinar on Intellectual Property Rights & IP Management for Innovation and Start-up

SPEAKER



Date : 06-02-2021
Time : 9.30 AM



Join Zoom Meeting
<https://us02web.zoom.us/j/81502530800?pwd=eU9TR3BodVRiT2dMOODFCZ1NY1NUUT09>

DR. SHAIENDRA YADAV, MBA, PHD
PROFESSOR, DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION
NARSIMHA REDDY ENGINEERING COLLEGE

"INNOVATION IS TAKING TWO THINGS THAT ALREADY EXIST AND PUTTING THEM TOGETHER IN A NEW WAY."
TOM FRESTON

GOOD DESIGN CAN'T FIX BROKEN BUSINESS MODELS

"Creativity is taking existing things and doing new things."

Quote:
"Business Model Innovation comes from creatives only. It comes from business models and learning."
Patrick van der Pijl, Producer Business Model Generation

Participants (168)

Name	Avatar	Mute	Video
B. Akhila 18X01A05C5		🔇	📷
HE Harsha E3		🔇	📷
JK Jaahnavi (5G0)		🔇	📷
MS Merugu Sandhya(5F2)		🔇	📷
SK Sai keerthana 18X01A05D9		🔇	📷
V5 Vayshnavi 5F4		🔇	📷
VR Vyna reddy 5f3		🔇	📷
D1 Deekshitha 18X01A05F8		🔇	📷
Devendar 18Y71A0460		🔇	📷
B Harini 18X01A05C6		🔇	📷
MS mahitha 5E5		🔇	📷
Pooja Reddy 18X01A05G4		🔇	📷
S swathi dulam (5D5)		🔇	📷

Zoom Control Bar: Mute, Start Video, Security, Participants (168), Manage Participants (All+U), Pause Share, Annotate, More

Notifications: You are screen sharing, Stop Share



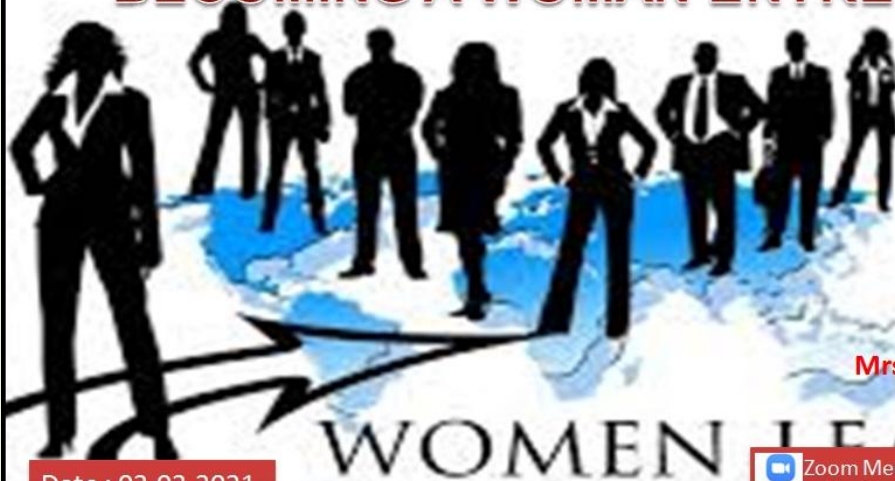
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Entrepreneurship Development Cell

Presents online Workshop on

BECOMING A WOMAN ENTREPRENEUR



Speaker



Mrs. U. PADMAVATH, MBA
Assistant Professor,
NRCM

Date : 03.03.2021
Time : 10.00 AM

Zoom Meeting
<https://us02web.zoom.us/j/86971481593?pwd=WVp3Y2Z5dEhKocEwzQTNuQT09>

Activity Planner for Quarter IV

May to July

Thrust Area: Awareness about Startup and related Ecosystem

S.No	Activity
1.	Semester Break: Internship at Startup
2.	Ambassador Orientation session for all students & faculties of Institute by Innovation
3.	Session on Building an Innovation/ product fit for market
4.	Organise Session on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp (or) Mentoring Session
5.	Session on Accelerators/Incubation - Opportunities for the Students & Faculties - Early Stage Entrepreneurs
6.	Session on Prototype Validation - Converting Prototype into a Start-up

7.	IIC Council Meeting- Review of Q3 progress and Planning of Q4
8.	“Startup & Entrepreneurship Awareness Workshop”
9.	Seminor on Innovation Ecosystem for Digital Startups
10.	Workshop on "Product Market Fit Frameworks for Lean Product Development"
11.	Guest Lecture on Funding oppurtunites for stratups
12.	National Webinar on Research, Innovation and Ranking
13.	World Entrepreneur Day



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Institution's Innovation Council

Organizing Guest Lecture on

FUNDING OPPORTUNITIES FOR STARTUPS



Guest Speaker

Dr. KarthiKeyan P
Associate Professor / CSE
Jain (Deemed-to-be University), Bangalore

Date : 19-06-2021
Time : 10.00AM



**Meeting ID:
284 492 7593**





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Institution's Innovation Council

Orientation Session
for

Students & Faculties of Institute by
Innovation Ambassador



Date : 29-04-2021

Time : 10.00AM

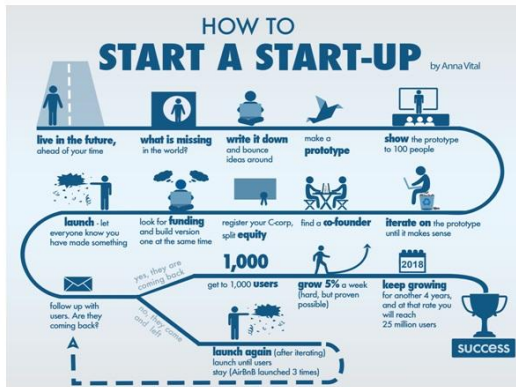
Speaker



Mr.G. LINGAM, AP/CSE
Innovation Ambassador
Narsimha Reddy Engineering College, Secundrabad

Join Zoom Meeting

<https://us02web.zoom.us/j/88327459409?pwd=aFMranBLNWxDREF5cm9LUWJDTDNzQT09>



Participants (151)

Q Find a participant

Waiting Room (1) Message

18 18X01A0516 Bhargav varma

In the Meeting (151)

Rajagopal R (Host, me)

15 18X01A0502 Sai Naveena

18X01A0508-- K.Sravani

10 18X01A0517Nikhitha Daram

15 18X01A0527 Siri Sujana

18X01A0531 Bhavya

11 18X01A0534-T Laxmi prasanna

18X01A0535-Anusha

1C 18X01A0536- Chandrika

1M 18X01A0537 M.VARUN

1 18X01A0544-(swethareddy)

You are screen sharing Stop Share

Mute Start Video Security Participants 151 Manage Participants (Alt+U) Pause Share Annotate Remote Control More

How to build a Minimum Viable Product

The illustration shows a progression of vehicles: a skateboard, a kick scooter, a bicycle, a motor scooter, and a car.

Mute Start Video Security Participants 163 Chat New Share Pause Share Annotate R

Manage Participants (Alt+U) Stop Share

Participants (163)

Q Find a participant

1R 18X01A0544-(Swetha Reddy)

16 18X01A0545- Ganesh

1 18X01A0554(UJJAL)

KS K.Navya sri (18X-590)

Rachana (18X-579)

S Saikumar(18X01A05A8)

S Shivani(18X-577)

S SIRICHANDANA

S sonika(18X-591)

S Sushma(18X01A0567)

V Varsha(18X01A05B1)

VS vishnu sai (1701A0547)

K Krishna kumari(18X-588)

VK Vamshi Kalyan (18X01A0592)

Invite Mute All