

KITS **KKR&KSR Institute of Technology and Sciences**
(AUTONOMOUS)

Vinjanampadu, Guntur, Andhra Pradesh-522017

Approved by AICTE, New Delhi and Permanent Affiliation from JNTUK, Kakinada
Accredited with “A” Grade by NAAC & NBA

Details of Incubation Centers and Startups

KKR & KSR Institute of Technology And Sciences is popularly known as KITS and was established in the year 2008, by GSR & KKR Educational Society in Vinjanampadu village, Guntur District, Andhra Pradesh.

The college has MHRD – IIC (Institution Innovation Council), Skill Development Centre by APSSDC, Center of Excellence by Dell-EMC, MSME Idea Incubation Centre Sponsored by MSME, Govt. of India and NSIC – Training Cum Incubation Centre Sponsored by Govt. of India. KITS also has Pre Incubation facilities like CIRD (Centre for Innovation, Research and Development) and Makers’ Space for supporting and strengthening the Innovation and entrepreneurial ecosystem in campus. The entrepreneurial ecosystem will play key role in identifying, mentoring, nurturing innovative and entrepreneurial potential of students, faculty and staff and transforming them into start-up entrepreneurs by provided avenues of funding, investment opportunities and networking support to make the innovation and venture successful.

1. Details of Innovation Cell

Ministry of Human Resource Development, Govt. of India has established an ‘**Innovation cell**’ (MIC) with a purpose of systematically fostering the culture of Innovation in all Higher Education Institutions (HEIs) across the country. MIC has envisioned encouraging creation of ‘**Institution’s Innovation Council (IICs)**’ across selected HEIs. They have selected our Institution and established **KITS – Institution Innovation Council (IIC)** on **21st November, 2018** by Ministry of Human Resource and Development, Government of India under MHRD-MIC. KITS-IIC is mainly established to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. As a part of it, KITS-IIC with the support of MHRD conducted the following events and stood as one of the **Top IIC (50 IICs Selected)** in India among 950 IICs in 2018-19.



Establishment Certificate issued by MHRD-MIC



Inauguration of IIC at KITS

2. Activities Organized in KITS under KITS-IIC 1.0

- A. First India Leadership Talk Series by Eminent Leaders of India Like
- Shri Anand Mahindra, Chairman,
 - Mahindra Group,
 - Dr. Anand Deshpande, Founder, Chairman & MD Persistent Systems Limited
 - Shri Ajit Doval Ji, National Security Advisor
 - Prof Anil.D. Sahasrabudhe, Chairman, AICTE, New Delhi .
- B. Online and Offline Work Shops on IPR
- C. Design Thinking Work Shops on Cognitive Skills
- D. D Work Shops on Technical Skills
- E. **Internal Hackathons, Ideathons, Boot Camps on latest Technologies**
- F. **Smart India Hackathon on 2nd & 3rd March 2019** - 122 Batches participated and presented their ideas both for Software and Hardware editions
- G. **Idea Competitions**
- H. **PoC (Proof of Concept) Competitions**
- I. **Work Shops on Entrepreneurship / StartUP**
- J. Participation of Students to National Innovation Contest 1.0 (An initiative of AICTE & MHRD)

K. National Innovation Contest:

The National Innovation Contest is an initiation of **AICTE & MHRD- Innovation Cell- Annual Innovation Contest for IIC Institutes** and which is going to provide 360-degree cycle of learning and understanding the process of innovation and start-up. It is designed in a way that, each team will traverse a path from problem identification and ideation to building business model and finally entering the phase of Enterprise development in a time period of one year. **As a part of it Following competitions are organized at our IIC**

- Idea Competition on 29th March, 2019 -86 Batches Presented their Ideas
- Design Thinking Work Shop (30 Days, June 2019) – For all Batches
- Proof of Concept Exhibition (15th June, 2019) -82 Batches Exhibited their PoC
- 20 Best Projects are selected and uploaded to MHRD-IIC Portal
- 4 Ideas are selected for Regional Exhibition at Hyderabad , Central University

and exhibited their ideas . They are

1. **Chilly Cutter (Cutting Chillies and Protecting Them While Drying During Rain Fall Automatically)**
2. **Smart Dust Bin with Wet and Dry Waste Segregator.**
3. **Smart Trolley.**
4. **Green Book**

Various Events Organized under KITS-IIC

Online Session on IPR



Internal Hackathon



Smart India Hackathon



Work Shop on Entrepreneurship



National Innovation Contest 1.0 Events at College Level

An initiation of AICTE & MHRD- Innovation Cell- Annual Innovation Contest for IIC Institutes – As a part of it Following competitions are organized at our IIC

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 3. **Smart Trolley.**
 4. **Green Book**



Idea Competition on 29th March, 2019



Proof of Concept Exhibition on 15th June, 2019



National Innovation Exhibition- Participation at AICTE, New Delhi

- Among 1650 PoC (Proof of Concepts) from 700 IICs across 17 Regional centers – 42 Best Projects are selected and invited for National Exhibition at AICTE Head Quarters, New Delhi.
- For that exhibition our Institution is the only one institution selected from the state of Andhra Pradesh for the Prototype developed by Dasari Anitha and her Team **Chilly Cutter (Cutting Chillies and Protecting Them While Drying During Rain Fall Automatically)**

Our Team in National Exhibition with Prof Anil.D. Sahasrabudhe, Chairman, AICTE, New Delhi



Our Team with Chief Innovation Officer, Prof. Abhay Jere



3. KITS-IIC1.0 (Institution Innovation Cell Achievements in 2018-19)

1. **An Innovation Project (PoC- Proof of Concept) “Chilly Cutter and Protecting Cover during Rainy Season ”** submitted by Dasari Anitha and Deepthi to National Innovation Contest NIC 1.0 organized by AICTE-MHRD is selected and nominated for National level Boot camp and exhibited their product on 11th September, 2019. Among 1640 projects from various states in India, this is the only project selected from Andhra Pradesh.
2. KITS-Institution Innovation Council (IIC) stood as one of Top Rated Council in India. As a part of it AICTE-MHRD invited for two days National works shop on **"Mentorship Skill Development on Innovation and Entrepreneurship"** scheduled on 9th and 10th September 2019 at New Delhi.
3. **Voting Awareness campaign** sent by KKR & KSR Institute of Technology and Sciences to MHRD's Innovation Cell and AICTE, New Delhi is selected as best Campaign among India in 2019 as a part of IIC.

Star Rating Certificate for the Year 2018- 2019





Appreciation Certificate Received from AICTE - MHRD-MIC

4. Various Activities of KITS-IIC 2.0 (2019-20)

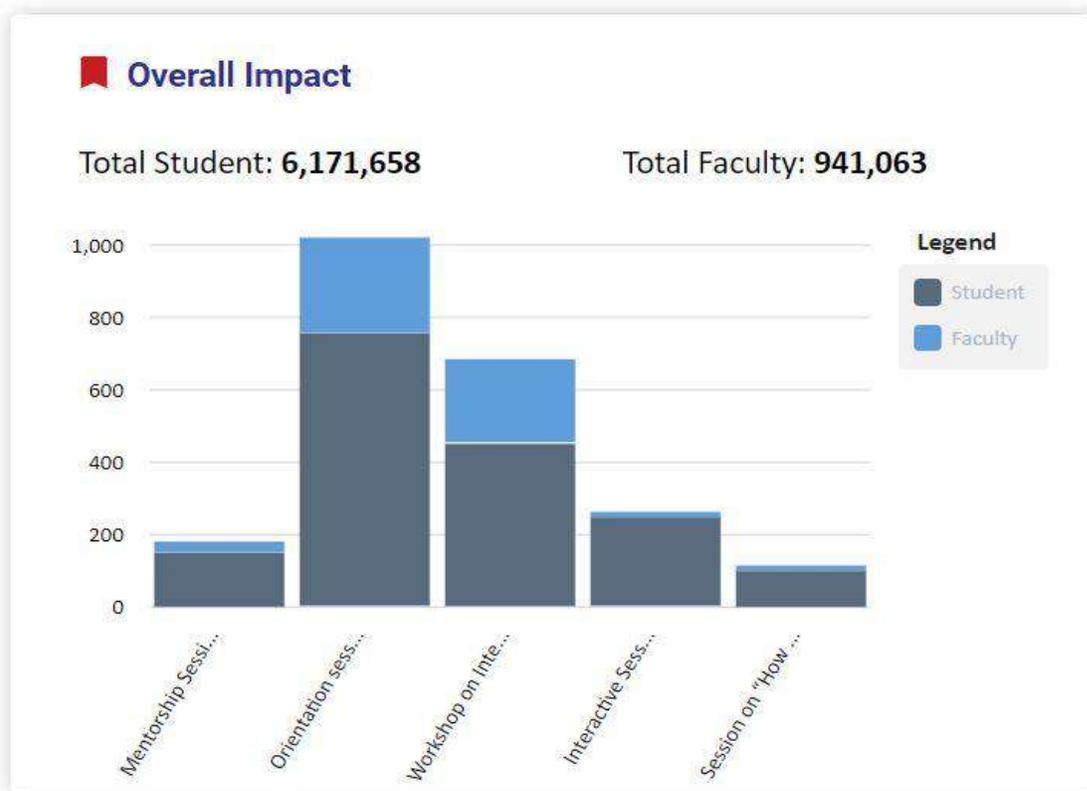
AICTE-MHRD, Government of India upgraded Institutional Innovation Councils as Version 2.0 with 20 Faculty members and 50 Student members. The total Academic year is divided into 4-Quarters as per the instructions given to conduct Entrepreneurship, Innovation and StartUp Activities. IIC 2.0 version categorized all activities into 3 categories. They are

1. **IIC Calendar Activities** – These are the List of activities given by MHRD- MIC
2. **MIC Driven Activities** – These are the sudden activities given by MHRD-MIC only.
3. **Self Driven Activities** – List of activities organized and planned to organize by each Department of our Institution as a part of IIC.
4. **Smart India Hackathon** - As per the Instructions given by MHRD
5. **Innovation Day** - Innovation, StartUp and Entrepreneurship Competitions from 5th October to 15th October, 2019 as per the guidelines given by AICTE-MHRD-MIC
6. **National Science Day** - 28th February, 2020

5. List of Activities conducted in IIC 2.0 (2019-20)

Quarter	Self Driven Activities	IIC Driven Activities	MIC Driven Activities	National Innovation Contest Activities
1	19	6	4	Idea Competition-64
2	20	7	2	PoC Competition-65
3	24	7	13	Prototype Competition-65
4	34	4	27	Regional Mentoring Session-5
Total	93	24	46	Selected Projects National Level Exhibition, International Level Exhibition- Start Up and Incubation Funding

9. Overall Impact of IIC 2.0 (2019-20)



6. Achievements of KITS-IIC 2.0

- Ranked as 5- Star Rating Institution – Highest Rating

- Selected as one of the Top Performing IIC in India – Only one IIC selected from the State of Andhra Pradesh from SCRO Region. (Among 1700 Plus Institution Innovation Councils’ AICTE in Association with Ministry of Education (MoE), Govt. of India selected 40 IICs’ as Top Performing IICs’ in India. KITS-IIC is one among 40 and which is the only one selected from the State of Andhra Pradesh)

40 -Top Performing Institution Innovation Councils in India

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)		INSTITUTION'S INNOVATION COUNCIL (AICTE)		AICTE	
Top Performer IICs- Five Institutes from each zone					
SN	IIC ID	IIC Name	City	State	Zone
1	IC201810405	PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT & RESEARCH	INDORE	Madhya Pradesh	Central/CRO
2	IC201811638	MEDI-CAPS UNIVERSITY, INDORE	INDORE	Madhya Pradesh	Central/CRO
3	IC201810710	IFS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE, INDORE (MP)	INDORE	Madhya Pradesh	Central/CRO
4	IC201912602	Oriental College of Technology	Bhopal	Madhya Pradesh	Central/CRO
5	IC201811640	Amity University Chhattisgarh	Raipur	Chhattisgarh	Central/CRO
6	IC201810289	NARULA INSTITUTE OF TECHNOLOGY	KOLKATA	West Bengal	Eastern/ERO
7	IC201810334	JIS COLLEGE OF ENGINEERING	KALYANI	West Bengal	Eastern/ERO
8	IC201810374	GURUNANAK INSTITUTE OF TECHNOLOGY	KOLKATA	West Bengal	Eastern/ERO
9	IC201912710	Neraji Subhash Engineering College 109	KOLKATA	West Bengal	Eastern/ERO
10	IC201810172	TECHNO INDIA UNIVERSITY, WEST BENGAL	SALT LAKE	West Bengal	Eastern/ERO
11	IC201810625	IT'S ENGINEERING COLLEGE	GREATER NOIDA	Uttar Pradesh	Northern/NRO
12	IC201810120	Amity University Uttar Pradesh	Gautam Buddha Nagar	Uttar Pradesh	Northern/NRO
13	IC201810213	G.L. BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT	GREATER NOIDA	Uttar Pradesh	Northern/NRO
14	IC201811222	Banaras Hindu University Varanasi	VARANASI	Uttar Pradesh	Northern/NRO
15	IC201912626	Jaypee Institute of Information Technology, Noida	Noida	Uttar Pradesh	Northern/NRO
16	IC201810562	Lovely Professional University	Phagwara	Punjab	North-West/NWRO
17	IC201912452	Chandigarh Business school of Administration, Landran	SAS Nagar (Mohali)	Punjab	North-West/NWRO
18	IC201810200	Indira Gandhi National Open University	New Delhi	Delhi	North-West/NWRO
19	IC201912536	JK LAKSHMIPAT UNIVERSITY	Jaipur	Rajasthan	North-West/NWRO
20	IC201811516	CULZAR GROUP OF INSTITUTIONS	LUDHLANA	Punjab	North-West/NWRO

SN	IIC ID	IIC Name	City	State	Zone
21	IC201810476	GURU NANAK INSTITUTE OF TECHNOLOGY	IBRAHIMPATNAM	Telangana	South-Central/SCRO
22	IC201811654	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES	VINJANAMPADU	Andhra Pradesh	South-Central/SCRO
23	IC201811959	GURU NANAK INSTITUTIONS TECHNICAL CAMPUS	IBRAHIMPATNAM	Telangana	South-Central/SCRO
24	IC201810860	MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY	SECUNDERABAD	Telangana	South-Central/SCRO
25	IC201811515	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY	HYDERABAD	Telangana	South-Central/SCRO
26	IC201810347	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	COIMBATORE	Tamil Nadu	Southern/SRO
27	IC201810467	NEW PRINCE SHRI BHAVANI COLLEGE OF ENGG & TECH	CHENNAI	Tamil Nadu	Southern/SRO
28	IC201811089	SRI SAJ RAM INSTITUTE OF TECHNOLOGY	CHENNAI	Tamil Nadu	Southern/SRO
29	IC201810371	SRI VENKATESWARA COLLEGE OF ENGINEERING, Chennai	CHENNAI	Tamil Nadu	Southern/SRO
30	IC201810363	SRI KRISHNA ARTS AND SCIENCE COLLEGE	COIMBATORE	Tamil Nadu	Southern/SRO
31	IC201811190	CMR INSTITUTE OF TECHNOLOGY	BANGALORE	Karnataka	South-West/SWRO
32	IC201811957	NEW HORIZON COLLEGE OF ENGINEERING (E&T)	BANGALORE	Karnataka	South-West/SWRO
33	IC201810534	SRI SAIRAM COLLEGE OF ENGINEERING	BANGALORE	Karnataka	South-West/SWRO
34	IC201810969	CAMBRIDGE INSTITUTE OF TECHNOLOGY	BANGALORE	Karnataka	South-West/SWRO
35	IC201912186	REVA UNIVERSITY, BANGALORE	BANGALORE	Karnataka	South-West/SWRO
36	IC201810739	R.D. & S. H. National College of Arts and Commerce and S.W.A Science College		Maharashtra	Western/WRO
37	IC201811183	SHRI VILE PARLE KELAVANI MANDALS DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING	MUMBAI	Maharashtra	Western/WRO
38	IC201811397	K.J. SOMAIYA INSTITUTE OF ENGINEERING & INFORMATION TECHNOLOGY	MUMBAI	Maharashtra	Western/WRO
39	IC201811085	BHARATTIYA VIDYA BHAYANS SARDAR PATEL INSTITUTE OF TECHNOLOGY	MUMBAI	Maharashtra	Western/WRO
40	IC201811236	PRIN. L.N. WELINGKAR INSTITUTE OF MANAGEMENT DEVELOPMENT & RESEARCH	MUMBAI	Maharashtra	Western/WRO

5- Star Rated Certificate for IIC 2.0 for the Year 2019-20



National Innovation Contest Events 2.0 : National Innovation Context is an initiation of AICTE-MoE, Govt. of India. The National Innovation Contest is going to provide 360-degree cycle of learning and understanding the process of innovation and start-up. It is designed in a way that, each team will traverse a path from problem identification and ideation to building business model and finally entering the phase of Enterprise development in a time period of one year.

- **Idea Competition** - 64 Batches Presented their Idea

SNO	Title	Theme	Lead Name
1	EYEDEEP	Healthcare & Biomedical devices.	Sk. Ibrahim khalilulla
2	Innovation	IoT based technologies)	Muvva sri sai Ram

3	Monitoring of real time crop health system	Agriculture & Rural Development.	Pavuluri Sravani
4	Bomb Sensing and Removing by using Drone	Robotics and Drones.	Kuraganti Manoj Kumar
5	Nirvana(Tourism Application)	Augmentation and Virtual Reality	Vasihanvi Manogna

- **PoC Competition** - 65 Batches developed their Proof of Concepts and submitted to NIC.
- **Prototype Competition** – 65 Batches developed their Prototypes and Submitted for National Innovation Contest 2.0.

Among 65 Prototypes submitted for National Innovation Contest 5 Project Prototypes are selected for Regional Mentoring session and now they are attending mentoring sessions of **National Innovation Contest of AICTE & Ministry of Education (MoE).**

Achievements in NIC 2.0 (National Innovation Contest)

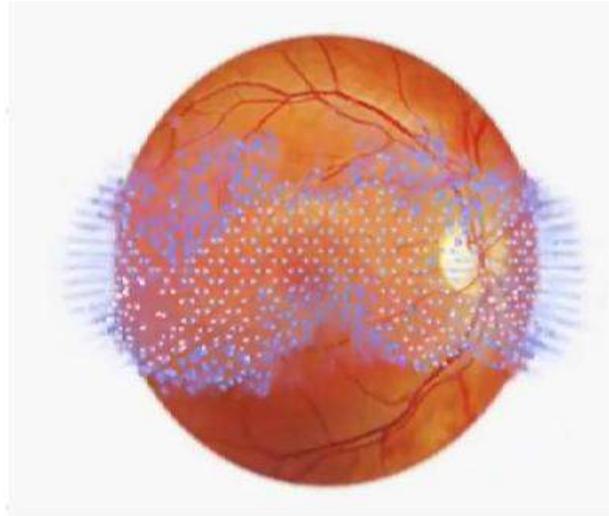
Totally 29000 ideas are submitted throughout India. **Among that one of our student's Innovative idea "EYE DEEP" is selected in Final Round of MoE-AICTE's National Innovations Contest 2.0 and for financial Assessment from Ministry of Education, Govt .of India.**

Start Up Under KITS-IIC and MSME, Govt. of India

Name of the Start Up: **The MADCREW Private Limited, Health Care Startup.**

The idea is selected in National Innovation Contest 2.0 for Financial Assessment of Rs.10 Lakhs. It is patented with an **Application Id: 202141012328** on 23rd March, 2021.

It is a Health Care and Bio Medical Device manufacturing company.



EYE DEEP

Now the team is in evaluation process. They will register the company within 10 days.

The main theme of this company is to develop a Health care and Bio-Medical Device used to identify different types health issues like Diabetics, Cardio vascular Diseases, Diseases related to lungs, Brain Tumors, different types of cancers, Jaundice by scanning and single though single snap shot of EYE Retina.

2. MSME –Idea Incubation

Ministry of Micro, Small & Medium Enterprises (MSME), Govt. of India under Incubation Scheme– has approved KKR & KSR Institute of Technology and Sciences as Host Institute for Idea Incubation with HI/BI Registration Number is: **HIBIAP000109**, on 10th January, 2020.

Under MSME – Idea Incubation the following Ideas are converted into startups.

Name of the Startup: AGRI-JAWAN INNOVATIONS PRIVATE LIMITED

S.No: 646-647, Vinjanampadu, Vatticherukuru, Guntur, Andhra Pradesh- 522017

AGRI-JAWAN INNOVATIONS PRIVATE LIMITED Registered with

CIN Number- U29219AP2021PTC118214 under the Companies Act, 2013 (18 of 2013)

The Corporate Identity Number of the Company is **U29219AP2021PTC118214**

TAN Number of the Company is **HYDA26858G**

Authorized share capital of Agri-Jawan Innovations Private Limited is Rs.1000000 and its paid up capital is Rs. 50000. It aspires to serve in manufacture of machinery and equipment n.e.c. activities across the India. AGRI-JAWAN INNOVATIONS PRIVATE LIMITED is involved in activities such as (Manufacture of machinery and equipment n.e.c.) Manufacture of other machinery and equipment for use in agriculture, horticulture or forestry, bee-keeping and fodder preparation (manufacture of hand tools used in agriculture, horticulture and forestry).



3. AVITHA Private Limited

Name of the Start Up: AVITHA Private Limited, Agriculture startup

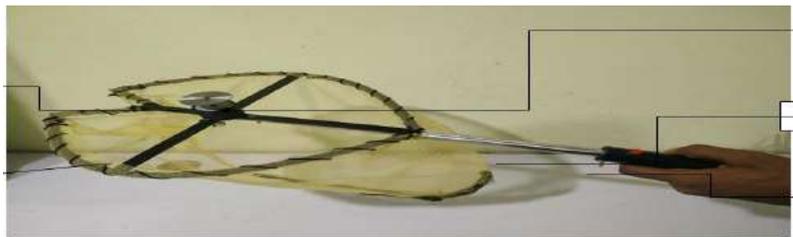
The idea developed under this Startup is **“Chilly Cutter and Automatic Protecting Cover during Rain Fall”**

The idea is patented with an Application ID: 202041053761 on 10th Dec,2020.

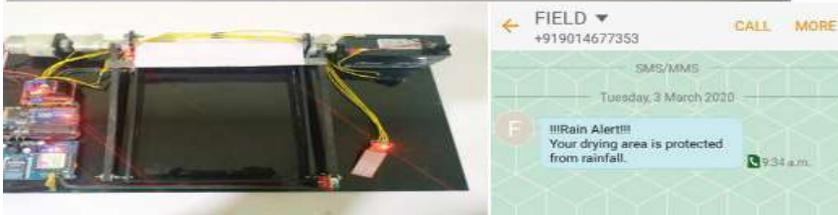
This idea is selected for financial support of Rs. 13, 00,000/- (Thirteen Lakhs) from MSME (Ministry of Small and Medium Enterprises), Govt of India to develop their product.

This product is developed to reduce the few difficulties which farmers are facing during Mirchi cultivation. The farmers have to dry the harvested crops under sunlight about 20 to 25 days. During this time if there is any rain fall, the farmers have to rush to the fields and by using man power they need to cover the drying harvested crop. This is a time taking process; in the meanwhile the rain may damage the crop. To overcome this problem this product is developed.

The Cover automatically covers the Crop and Soon after covering, the farmer will get a message as ”!!!Rain Alert!!Harvesting land is covered”. If there is no rain fall also if require the farmer can cover the crop voluntarily to protect it from other animals and from other problems. After some time he/she can uncover the cover by pressing the button of uncover. So this protector can also be used to cover other crops as well as other things whenever we want it to protect from rain or animals. The chilly cutter developed to cut either red or green chillies from plants consist of Cutting Blade, Motor and Switches. As per the instructions the blade works and cut the chillies from plants. . While cutting we can partition the bag 1 for red chillies and another for green chillies.



Chilly Cutter



Protecting Cover

AVITHA –Chilly Cutter and Protecting Cover

4. Name of the startup: NIRVANA Virtual Tour Guide

It is a Mobile Application Developed by a team of students with the technology of Virtual Reality. It is a tourism Guide developed for supporting tourists in native languages with animations. They developed the actual and real product (mobile app) covering most of the places in and around Amaravathi, Andhra Pradesh both in Telugu, Hindi and English.



The idea is patented with an Application Id: 20214102337 on 23rd March, 2021. This idea is also selected in Regional and National level of NIC -2.0 .

Our Institution Innovation Council is selected as Mentor Institution under the Scheme **Mentor-Mentee Program 2021-22 (With Funding Assistance from MIC/AICTE)**



**List of IIC Institutions Selected as Mentor Institutions
under the Mentor-Mentee Program 2021-22
(With Funding Assistance from MIC/AICTE)**

Sr No.	UserId	Institute Name	State	Zone
1	IC201810710	IPS Academy Institute of Engineering & Science	Madhya Pradesh	Central/CRO
2	IC201811648	AMITY UNIVERSITY	Chhattisgarh	Central/CRO
3	IC201810405	Prestige Institute of Engineering Management & Research	Madhya Pradesh	Central/CRO
4	IC201811638	MEDI-CAPS UNIVERSITY	Madhya Pradesh	Central/CRO
5	IC201810081	Silicon Institute of Technology	Odisha	Eastern/ERO
6	IC201810289	Narula Institute of Technology	West Bengal	Eastern/ERO
7	IC201810172	TECHNO INDIA UNIVERSITY	West Bengal	Eastern/ERO

8	IC201810625	I.T.S ENGINEERING COLLEGE	Uttar Pradesh	Northern/NRO
9	IC201811222	Banaras Hindu University	Uttar Pradesh	Northern/NRO
10	IC201810213	G.L.BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT	Uttar Pradesh	Northern/NRO
11	IC201810280	Indira Gandhi National Open University	Delhi	North-West/NWRO
12	IC201810690	Model Institute of Engg. & Technology	Jammu and Kashmir	North-West/NWRO
13	IC201912536	JK LAKSHMIPAT UNIVERSITY	Rajasthan	North-West/NWRO
14	IC201810562	Lovely Professional University	Punjab	North-West/NWRO
15	IC201810476	Guru Nanak Institute of Technology	Telangana	South-Central/SCRO
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17	IC201811654	KKR&KSR Institute of Technology & Sciences	Andhra Pradesh	South-Central/SCRO
18	IC201811515	Sreenidi Institute of Science & Technology	Telangana	South-Central/SCRO
19	IC201811501	PSG College of Arts and Science	Tamil Nadu	Southern/SRO

Totally 50 Institutions are selected as Mentor Institutions. One among those Institutions is KKR & KSR Institute of Technology and Sciences.