

JAN 2023

# PATH FINDER

Newsletter  
from  
HITAM



**HITAM**  
find your path



HITAM Scored 4 STAR rating for various activities of Institution's Innovation Council, prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-ups in the campus, during the IIC calendar year 2021-22.

**HYDERABAD INSTITUTE OF TECHNOLOGY & MANAGEMENT**

Accredited by NAAC, NBA[CSE, ECE], Approved by AICTE, Affiliated to JNTUH)

*Tremendous*

**22**  
YEARS

in running



## IN THE CUSP OF PROFOUND TRANSFORMATION

It is a great pleasure and honour for me to serve as the Principal of HITAM.

Hyderabad Institute of Technology and Management (HITAM) was established in 2002 to provide engineering education by means of 'Doing Engineering' concept and 'Project Based Learning'. Today, HITAM positioned itself as one of the top 10 ranked institutes in Hyderabad as per Times of India rankings and also received NAAC A+ accreditation and also NBA accredited CSE, ECE, EEE and ME branches.

HITAM is committed to create an ambience for nurturing innovation, creativity and entrepreneurship to its students. We at HITAM, strongly support interdisciplinary projects and their development through MOU with prestigious institutes like IIIT Hyderabad, RWTH AACHEN university, Germany and Woosong Unive South Korea.

We emphasize on developing holistic leadership skills through the exhaustive support of Toast Masters and IEEE. We are proud to say that HITAM is placed to exploit the synergy between faculty and students for the development of technology to the benefit of industry and society. We are confident that all our efforts will grow into significant epitomes of achievements in the larger academic parlance.

On final note, I request all of us to re-dedicate our selves to make HITAM as one of the best academic destinations of our Hyderabad city.

**Dr. P. RAJESH KUMAR**  
Principal, HITAM

## STAFF SPORTS MEET

HITAM organized a Staff Sports meet on the 25th- 26th of November 2022. Mr. Perumal Madhukaran, Hockey coach, Sports Authority of India - Hyderabad was invited as the Chief Guest for the event. His empowered speech encouraged all the players and uplifted their energy by playing Badminton with the participants. Sports such as Cricket, Volleyball, Badminton, Table Tennis, Carrom, Chess, Throw ball and Tennikoit; and 100 meters Racing were organized for the two days sports events.

Lots of Faculty and staff members participated with high energy in different events and made this event a grand success. The Event ended with aerobic dance by faculty and staff members. Abhinesh Bonkuri (HR Department), SNS Santosh, PD, and Rajkumar (Sports Department) were the event organizers.

Students from teams of respective games volunteered to be the referees and encouraged all the staff to play to their best.



## ORIENTATION DAY 2022

HITAM celebrated Orientation Day 2022 on 2nd November, heartily welcoming the incoming batch of AY 2022-23. The students and their parents actively participated in the event, making it a grand success. Over 900 guests were part of the event and got familiarised with the facilities and initiatives at HITAM. Both parents and students were appreciative of the Doing Engineering methodology followed at HITAM.

The students were addressed about how to be industry ready by eminent guests like :

- Prof. Sanjay Dhande (Former Director, IIT Kanpur)
- Dr. Sridevi (Prof of CSE at JNTU Hyderabad and Co-ordinator for Centre of Excellence in Cyber Security)
- Mr. Ramesh Mantana (Vice President - HR of Evoke Technologies)
- Mr. Ramana Anchuri (Senior Engineer, Education Group, MathWorks)

Students and parents were briefed about the best practices at HITAM by Dr. Rajesh Kumar (Principal of HITAM), Retd. Major General Mani Chandrasekhar (Chief Mentor) and Mr. Vamsi Koka (Dean – Strategy and Operations).



**Dr. Sridevi**  
Prof of CSE at JNTU Hyderabad  
and Co-ordinator for CoE in  
Cyber Security



**Dr. Rajesh Kumar**  
Principal, HITAM



**Mr. Ramana Anchuri**  
Senior Engineer, Education  
Group, Math Works



**Retd. Major General  
Mani Chandrasekhar**  
Chief Mentor, HITAM



**Mr. Vamsi Koka**  
Dean - Strategy and  
Operations, HITAM



**Mr. Ramesh Mantana**  
Vice President - HR of Evoke  
Technologies

# ENGINEERS DAY CELEBRATIONS

Engineers Day was celebrated in HITAM Campus on 15th September 2022. Er G. Siva Rama Krishna Reddy, Scientist F, DRDL, Hyderabad was the Chief Guest of the Day. There were around 37 faculty members and students who participated in the program. Dr. P. Rajesh Kumar, Principal, HITAM gave the welcome address to the students narrating the Achievements and Contributions of Sir Mokshagundam Visveraya, on his birth anniversary.



Followed by Dr. Rama Mohan, Academic Director, HITAM, who emphasized the current global challenges for Engineers, and Dr. S. Arvind, Dean-academics, HITAM shared his insights on the role of academics to meet the industry expectations. Finally, Er G. Siva Rama Krishna Reddy, the chief guest spoke the about the current trends in industries and skill development among engineers to address the challenges. A quiz competition was conducted for the HITAMIGHTS on Engineers Day.

## INDUSTRIAL VISITS

### A visit to We-HUB



EDC-HITAM visited We-HUB with the aim of EXPLORE-EDUCATE-EXECUTE. Around 50 students along with Ms. K.M. Sujatha, faculty, Department of Management visited We-HUB as part of an Industrial tour on 23rd September 2022. We-HUB stands for the women entrepreneurship hub in Telangana. The incubator focuses on women-led start-ups and plans to expand to various districts of Telangana and also planning to move internationally through its start-up exchange initiative.

As the aim of the visit was EXPLORE-EDUCATE-EXECUTE, the Students got a chance to explore the outside environment through this Industrial tour for more ideas, to educate their innovative minds for an impactful society, and to execute their ideas to be implemented. The motive of the visit was to inculcate knowledge of entrepreneurship and enable aspiring entrepreneurs to validate and gauge the feasibility of their ideas. And this was supported by Mr. Ganesh during his interaction with the students on Entrepreneurship. Who also highlighted on "characteristics of an entrepreneur".

### A visit to ICRISAT



EDC-HITAM organized an industrial visit to ICRISAT for students of the CSE AND ECE branches on 25th November 2022. The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) is an international non-profit organization that undertakes scientific research for development. It is the only Research institution in India located in Hyderabad that focuses on research specialty and Digital Agriculture. ICRISAT and its partners help empower poor people to overcome poverty, and hunger through better agriculture.

Its digital agriculture utilizes various emerging technologies in its agriculture fields, like Artificial Intelligence and Machine Learning. During the visit, Dr. Srikanth Rupavatharam (Research Scientist, ICRISAT) imparted essential knowledge on digital agricultural, Agri-tech based projects, problems, and goals of the ICRISAT to the students. Also, he motivated students to go for Agri-tech based learning.

## A visit to HBL



HITAM-EDC organized an industrial visit to the HBL Battery manufacturing industry for EEE branch students. 60 students along with T. Sireesha (Assistant Professor, Department of Electrical and Electronics Engineering) visited the industry on 28th December 2022.

The visit enabled the students to get practical knowledge in the field of manufacturing batteries. They get to know about various types of batteries such as THERMAL and NICKEL CADMIUM. Even they got to know the Applications of thermal batteries, missiles, and Bombs.

## A Visit to Quantum Energy



HITAM- IIC-EDC organized an industrial visit to Quantum Energy on 25th November 2022. 30 students of the Department of ECE and Ms. K.M. Sujatha (Faculty in-charge, EDC) visited the company.

The purpose of the visit was to enhance the student's knowledge of the manufacturing of EV (Electric Vehicles). Electric vehicles are good for the environment as well as human life.

# GALA NIGHT 5.0

FOR A CAUSE has Organized an annual fundraising event on 16th December 2022. Lasya Priya (founder, of FOR A CAUSE) gave an inaugural speech and interacted with the students. The vice president of FOR A CAUSE presented a PPT about the history of FOR A CAUSE. All the students and Faculty members present there gave Tribute to Morris Sir. Events such as Dance, Singing, Tug of War, and Certificates distributed to the volunteers and executive committee for the year 2021-2022. Apart from this, the crowd danced with DJ Betty and DJ Mark. With the campfire, the students enjoyed the movie "DON" till dawn.



## Graduation Day-2022

Every year the Graduation Day is conducted to celebrate with the fresh graduates of the institution and felicitate them with a certificate of accomplishment. This year the 18th Graduation Day was celebrated at HITAM on 10th Dec 2022 for the graduating batch of 2028-22. Padma Shri Professor Sanjay Govind Dhande, Former Director, IIT Kanpur graced the occasion as the Chief Guest along with Mr Govindraj Santhanam, CIO, Broadridge, India as the Guest of Honour.

The Graduation Ceremony commenced at 9:45 AM with great pomp and show. All the dignitaries were escorted from the administrative building by the HITAM NCC band. About 300 students along with their parents attended the programme. All the graduates received their certificates from the luminaries. A memento and certificate was presented to each branch topper and the batch topper. Batch topper KC Stefy from ECE branch gave the valedictory speech. Vote of thanks was proposed by Mr Col. A.V. Subramaniam, Registrar, HITAM. The Graduation Day Ceremony was concluded by the National Anthem followed by a group photo session. The Master of Ceremony were Ms Vanaja and Ms Lavanya, Faculty, Department of S&H.



Padma Shri Professor Sanjay Govind Dhande  
Former Director, IIT Kanpur



Mr. Govindraj Santhanam  
CIO of Broadridge India

## H-Ones' Day<sup>2022</sup>

HITAM welcomed freshers to the campus on 10th December 2022. Hones' day gives opportunity to the students to get bond and unite to celebrate being part of the college. Senior students arranged many activities for freshers including cultural events where everyone got a chance to showcase their talent. The celebrations started with the warm welcome of all the dignitaries and freshers. Dr. P. Rajesh Kumar, Principal-HITAM and Dr.B.Lokeswara Rao, Dean Freshman-HITAM welcomed the freshers with their words of wisdom. The cultural event went with different performances by students on dance, song, stand-up comedy, Ramp walk, Rap Song, Mr. & Ms. Freshers, and Mr. & Ms. Popular. The day ended with the tunes of the DJ.



## NATIONAL ENERGY CONSERVATION DAY

The Department of Electrical and Electronic Engineering, HITAM Celebrated National Energy Conservation Day on 14th December 2022 to drive mass awareness about the importance of energy efficiency and conservation. On this occasion Dr. Lokeshwar Rao, Dean Freshman-HITAM took a session on the topic "Importance of National Energy Conservation Day". He also highlighted "Energy Conservation". Dr. O.P. Suresh, HOD-EEE, HITAM, also spoke at the Session to give more technical parameters on Energy conservation in the area of Electrical Energy conservation. Three Students from 3rd year EEE presented a poster that gave details about BEE ratings and the importance of National Energy Conservation Day which is observed every year on December 14th.



## WEBINAR ON "INNOVATION/PROTOTYPE VALIDATION - CONVERTING INNOVATION INTO A START-UP"

A Webinar was organized by HITAM-IIIC on "Innovation/Prototype Validation - Converting Innovation into a Start-up" on 3rd August 2022. Dr. Ashish Gupta, who is a Master Trainer at Edunet Foundation was the key speaker for the same. The program was conducted to educate faculty and students about the importance of start-ups and how we can convert our ideas into start-ups. Also, it includes how to develop a zeal for innovation, convert innovation into a start-up, and create a business model.

By  
**DR. ASHISH GUPTA**  
Master Trainer at  
Edunet Foundation



## EXHIBITION/DEMO DAY OF PROTOTYPE DEVELOPED & LINKAGE WITH INNOVATION AMBASSADORS FOR MENTORSHIP SUPPORT

HITAM-IIC organized an "Exhibition / Demo Day of Prototype developed & linkage with Innovation Ambassadors for mentorship support" in the month of August. It encouraged the participants to showcase their ideas/start-ups to get desired support or external visibility with the support of the Institute Innovation Ambassadors. It gave a platform to expose the state-of-the-art perspectives, ideas, concepts, and solutions related to the design and execution of innovation-driven projects using design thinking principles. Two events were conducted under this program.

1. Poster presentation on "Start-ups developed & linked with Innovation Ambassadors for mentorship support" on 17th August 2022.
2. Demo Day of "Prototype Developed & Linkage with Innovation Ambassadors for Mentorship Support" during 25th -27th August 2022.



## WORKSHOP ON “IDEA VALIDATION BY WE-HUB ON REAL-TIME START-UP PROJECTS”

HITAM - EDC-IIIC organized a workshop on “Idea Validation by We-HUB on Real-time Start-up projects” on 13th October 2022. Ms. Steffi Xavier was the Chief Guest as well as the Speaker of the Workshop. Ms. Steffi works as a Program Manager at Start-up Vertical. HITAM students in Teams of 10 along with their ideas participated in the one-day workshop. Ms. Steffi Xavier gave her input to the students for implementing their ideas. She also suggested valid platforms to learn about their ideas.

## FDP ON RECENT DEVELOPMENTS IN RENEWABLE ENERGY TECHNOLOGIES

A three-day faculty development program on “the recent developments in renewable energy technologies” was conducted during 28th – 30th July 2022 by the Department of Electrical and Electronics Engineering, and Mechanical Engineering. The eminent speakers for the three days FDP are mentioned below:

1. Dr. Ravikumar Bhimasingu, IIT Hyderabad
2. Mr. G. Surya Prakash, CEO, Archimedes Green Energy Pvt. Ltd.
3. Dr. Pawan Kumar Chauhan, HITAM, Hyderabad.
4. Dr. Madhuri Bayya, Geetanjali College of Engineering & Technology, Hyderabad.
5. Dr. Kiran Kumar N, Vardhamaan College of Engineering, Hyderabad



The industry expert underlined the integration of renewable energy sources like wind and solar has shown their effectiveness in achieving the aforesaid targets within their limits with the adoption and development of more advanced technology.

### WORKSHOP ON DESIGN THINKING

On 6th July 2022, HITAM-IIC conducted a workshop on Design Thinking with the title, “Cultivating the cognitive capabilities to spark ideation and drive innovation”. The Key Speaker of the workshop was Dr. William Oakes (Director, EPICS Program and Professor, Engineering Education, USA). The workshop focused on achieving practical results and solutions that are feasible technically, economically, and desirable for the user.

### SEMINAR ON ENTREPRENEURSHIP AS A PANACEA FOR THE DEVELOPMENT OF THE COUNTRY”

HITAM - EDC-IIIC organized a seminar on “Entrepreneurship is a Panacea for the development of the country” on 21st September 2022. The Speaker of the seminar was Ms. Supriya Gholat, an international transformation speaker and coach. Also, she is an author of an unconventional book named “40 seconds”. Around 80 HITAMights registered and attended the seminar. The main aim of this event was to enhance the knowledge bar on Entrepreneurship, Learn Goal setting skills, and make a broad vision for students’ bright future. The Patron of the Seminar was Dr. Sugandha Singh, Dean, HITAM-IIIC, and the Convenor of the Seminar was Ms. K.M. Sujatha, faculty-in-charge, EDC.

### SEMINAR ON “SUCCESSFUL WOMEN ENTREPRENEURS IN INDIA”

HITAM-EDC-IIIC organized a seminar on “Successful women entrepreneurs in India” on 26th August 2022. Around 30 Faculty members and students participated in the session. The session was taken by Ms. Manchu Deepa, CEO, of Trendy Jute Bags. Ms. M. Deepa is a woman entrepreneur who started her Jute bags business in 2016 and she became a successful woman entrepreneur. Within a short span of time, she was able to reach 50 lakhs turnover. In the Session, Ms. Deepa shared knowledge of start-ups and how to do market research.



## SEMINARS AT HITAM

1. A Seminar on the topic, "Start-up ecosystem enablers from the region/state/national level" was conducted on 24th August 2022 by Mr. Sanjay Kumar Singh (Founder of Vijai Jyoti Group).
2. A Seminar on the topic, "Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs" was conducted on 08th September 2022 by Ms. K. M. Sujatha (Assistant Professor and EDC in-charge, HITAM).
3. Seminar on the topic, "Accerlators/Incubation - Opportunities for Students & Faculties – Early-Stage Entrepreneurs" on 6th September 2022 by Mr. B.P. Pattnaik (CEO, CGU University, Odisha).

## FACULTY ACHIEVEMENTS

1. R. Umamaheswara Singh (Associate professor, Physics) delivered a guest lecture on the topic "Universal Human Values" as part of the Induction Program for Freshmen Engineering Students at KG Reddy Engineering College on 4th November 2022.
2. R. Umamaheswara Singh (Associate professor, Physics) delivered a guest lecture on the topic "Nanotechnology" for II B.SC Students conducted by the Department of Physics at Sri Sai Degree College, Affiliated to Kakatiya University, Bhadrachalam on 10th December 2022.
3. R. Umamaheswara Singh (Associate professor, Physics) presented a Paper at Virtual International Conference on Functional Material & Applied Physics (FMAP=2022) organized by the Department of Physics, S.V National Institute of Technology, NIT, Surat during 14th -15th October 2022.
4. R. Umamaheswara Singh (Associate professor, Physics) presented a Paper titled, "A Case Study on the Impact of Peer Tutoring in the Education of Freshmen Engineering" at ICTIIE-2023, and the paper got published in the Special Issue of the Journal of Engineering Education Transformations (JEET).
5. R. Umamaheswara Singh (Associate professor, Physics) published a paper titled, "Effect of MoO<sub>3</sub> on Na<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub>-CdO-ZnO glasses: Applications in optoelectronics, communication devices, and radiation shielding" in Scopus indexed Ceramics International Journal on 10th December 2022.
6. Mr. S.V. Sathyanarayana (Assistant Professor, EEE) participated in the winter school theme sensors for industry 4.0: Roles, Challenges and applications organized by the IEEE sensors council, Hyderabad Chapter, held on 20-21st Dec at IITH, Hyderabad.
7. Dr. Padmaja (Associate Professor, Department of Computer Science and Engineering) have been awarded as Uttam Adhyapika, AICTE chairman, Andhra Pradesh

## STUDENTS ACHIEVEMENTS

1. D. Anil Sai, M.Soumith, V. Vamsi Krishna, and Shaik Abdul Adil, students from 3rd year B.Tech, the Department of EEE got 3rd prize for their project 'Mini E-Scooter' in the Project Expo conducted in BVRIT as a National level Technical Symposium, Promethean 2k22 in the month of October 22.
2. M.MANASA(4th year), B.Vishwanth, V. Sai Akanaksha, and D.Anil Sai from and 3rd-year B.Tech, the Department of EEE got 2nd prize in the competition with the title IoT-based college Bus Tracking and Monitoring System in the Project Expo conducted in IARE as a Project Expo-Consortium in the month on November 22.

# HITAM XPLORE

## ACHIEVEMENTS

- HITAM has secured a 4-star ranking (Highest in 2020-21) in Institutions' Innovation Council (IIC) 4.0 (2021-22) Annual Performance: Institution Category, under MINISTRY OF EDUCATION, GOVERNMENT OF INDIA, AICTE, and Ministry of Education, Innovation Cell.



- XPLORE - EWB HITAM Students - Nandini Reddy, Shiva Rakshitha, Deepthisri Reddy, Neha Saw & D Pavani team participated in EWB Global World Engineers Day Hackathon & Selected in the top 9 finalists globally India, China, Canada, Kenya, Australia, Philippines, Canada.



From left to right: Shiva Rakshitha, Deepthisri Reddy, Neha Saw, D Pavani

- XPLORE – 14 Students received IUCEE Mini NEP Course Certification
- XPLORE – 05 Students selected as Committee members in IUCEE Student Summit 2022
- XPLORE – TSIC Intinta Innovator Award Certificate Hyderabad District, Krishna, Pavan (ECE Alumni), Shaista (CSE-4th year), Sohel (ECE-4th year) Varsha, Madhu (AI&ML- 3rd year)
- XPLORE –EWB HITAM Current President D Pavani invited as a speaker in TSIC
- XPLORE –Selected in Ag Innovation at AgHub, PJTSAU - Rural Innovators Exhibition
- XPLORE –successfully organized IUCEE EWB HITAM Annual Ceremony & Investiture Ceremony



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