LEVERAGE THE POWER OF 'DOING ENGINEERING'?

HITAM’s unique and fine-tuned learning methodology that is hands-on, industry-interactive and moulds you into technically SKILLED, professionally COMPETENT, industry READY and globally RELEVANT engineer!

Are you ready now for DOING ENGINEERING?

HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT

» AUTONOMOUS COLLEGE
» A+ RATING BY NAAC
» ACCREDITED BY NAAC, NBA
» APPROVED BY AICTE
» AFFILIATED TO JNTUH
» 22 YEARS IN RUNNING
Each of us have choices to make all the time. If the choice you made brought joy, success, praise and benefits, you take it as the right one. At a stage when the decision you take is going to define the career, and in extension the future of your life, it is but natural that a student should think, enquire, verify and analyze the various options at hand.

When it comes to choosing an institution for Engineering education, there is a plethora of options. There are many claims, promises and pronouncements all around. Mostly for ‘Studying Engineering’! But there are a very few who tread a different Path, placing a premium on student-centric, hands-on and Industry-interactive way of going about it.

At HITAM, we call it ‘DOING ENGINEERING’! It’s a different and distinct Path that we have adopted, regardless of the challenges and have been steadfast in our commitment to pursue the Path, with unwavering passion and integrity.

The Path ahead now is brightly illuminated and the destination appears clear! HITAM is now AUTONOMOUS! Charting its own cherished destiny and taking the students along the Path to glory has become more pronounced. We’re well on our path… it’s also time you FIND YOUR PATH!

A Path that can make all the difference!

---

I shall be telling this with a sigh
Somewhere ages and ages hence:
Two roads diverged in a wood, and
I took the one less traveled by, And
that has made all the difference.

-Robert Frost
(The Road Not Taken)
Playing true to the dictum “ENGINEERS CHANGE THE WORLD”, HITAM has been a true champion of student-centric, hands-on, project-based, industry-interactive, holistic engineering education that places utmost premium on collaborative learning that builds aspirations, realizes dreams, and transforms the world.

As an AUTONOMOUS college, HITAM would be restructuring its curriculum with emphasis on Industry-relevant curriculum and Minor specializations delivered by Adjunct faculty, apart from HITAM’s own accomplished faculty. The assessment metrics are scientifically evolved to continually monitor student performance and enable their transformation into potential Path leaders and Game changers!

Here’s a compendium of compelling components that have catapulted HITAM to commanding heights in delivering engineering education that is Comprehensive, Cutting-edge and Career-driven!
“Strive for perfection in everything you do. Take the best that exists and make it better. When it does not exist, design it.

“The ideal engineer is a composite… He/She is not a scientist, he/she is not a mathematician, he/she is not a sociologist or a writer; but he/she may use the knowledge and techniques of any or all of these disciplines in solving engineering problems.”
A campus is the mirror of an institution’s soul, reflecting its history, culture, image, its management style, and even its future. It tells all those who visit it how it thinks of itself and the way it expects others to judge it.

The expansive greenery and the aesthetic landscape elements at HITAM act therapeutically, reducing cognitive fatigue and other sources of stress and have a restorative effect.

The IGBC Silver-rated Green building stands majestically on the expansive campus which is the key centre of learning. It is complemented by a new Activity Centre that promotes interactive learning, personality development, and houses a full-fledged library. A well-appointed Hostel building is coming up shortly to make students experience the joy and profundity of living and learning in the campus.

1 › INFRASTRUCTURE
2 › CREDENTIALS
3 › ACHIEVEMENTS

THE CREDENTIALS THAT VALIDATE HITAM’S PREEMINENCE

- HITAM reached another milestone in its Path of Excellence and now is an AUTONOMOUS COLLEGE. Not one to rest on laurels, its journey shall continue to become a UNIVERSITY soon.
- HITAM is now rated A+ by NAAC (National Assessment and Accreditation Council) and the FIRST one to score a CGPA score of 3.36 (in the 3.26 - 3.50 range for A+ Grade) for an Affiliated College in the State of Telangana, under the Higher Educational Institutions (HEI) category.
- HITAM is accredited by NBA (National Board of Accreditation) for CSE, ECE, EEE, Mech Programs which is another feather in its cap.
THE ACHIEVEMENTS THAT EXEMPLIFY AND VALIDATE HITAM’S ‘DOING ENGINEERING’

SOLAR POOL SKIMMER has been awarded Best Innovation Award under TSIC Intinta Innovator scheme, Government of Telangana.

HITAM won AICTE Lilavati Award - in 2020 under the theme “Women Empowerment” - and in 2021 under the theme “Women Entrepreneurship”.

Team DENSITY - Mr. Alankar Achadian, Graduate of Mech. Engineering (2021) & Ms. Anjali Verma, Graduate of ECE (2021) were the Winners in ‘Earth Category’ from India in the Microsoft Imagine Cup 2021.

SOLAR POOL SKIMMER has been awarded Best Innovation Award under TSIC Intinta Innovator scheme, Government of Telangana.

AQUA REFORMER (A methodology to improve traditional Aqua-Farming, using Emerging Technologies) won the title of Best Expo Project at MCEME’s ROBOTHON Contest 2021, felicitated by Her Excellency Dr. Tamilisai Soundararajan, Governor of Telangana State.

XPLORE - Out of all UBA registered colleges, 4 Projects of HITAM are selected for Atmanirbhar NorthEast Conclave, Cotton University, Guwahati where in HITAM got Top 1st & 3rd position in the Ideation for Climate Change India in NE held at the Atmanirbhar Bharat conclave in Guwahati Dec.21 & 22, 2021.

HITAM Students Dhanush Yallapragada, Maram Srikanth, Vennapusa Akshaya Reddy, Purra Suchitra, Kush Tiwari developed a portal for Hostel and Quarter Management System for ESIC Medical College Hyderabad. This tool helps them for managing and digitalizing the data.

Dibya Kumari (NSS), ECE has secured 1st position at State level - National Youth Parliament Festival (21-22) Elocution Competition. She addressed the ‘Youth of India’ on 8th March 2022, in the presence of Hon’ble PM Sri Narendra Modi.

Startup EUNOIA INNOVATIONS by HITAM students and incubated at HITAM Innovation and Incubation Centre (HIIC), is one of the 100 start-ups from across the country which has received a GRANT OF 20 LAKHS in India for the Water Pitch-Pilot-Scale Start-up Challenge by AMRUT 2.0, an initiative by the Govt. of India for AQUA SKIMMER Project.

Startup KEPHI INNOVATIONS by HITAM students and incubated at HITAM Innovation and Incubation Centre (HIIC), is one of the 100 start-ups from across the country which has received a GRANT OF 20 LAKHS in India for the Water Pitch-Pilot-Scale Start-up Challenge by AMRUT 2.0, an initiative by the Govt. of India for AQUA REFORMER Project.

XPLORE-UBA-IITD Alumni Association (IITDAA) conducted a Gramodaya Conclave - where our Students won two prizes:

- Innovative Idea under the theme - Water Resources & Environment for ‘Water Resources-Algae Scrubber’ by Dibya Kumari, Gangavarapu Ramya,
- Innovative Idea under the theme Environment: Cow Dung Remover by Gangavarapu Ramya, Pavan Kumar, Sheeba Shaista, Mohammed Sohel, Preetham

Five students have taken up Internships at IIITH on an IoT Project.

AASHISH SHARMA Mech, 4th year
ALANKAR ACHADIAN Mech, Alumni
E DEEPAK CHERAN Naval Architecture & Ocean Engineering
ANJALI VERMA ECE, Alumni
V.GIRIDHAR Mech, 2nd year
P.PAVAN KUMAR AI&ML, 2nd year
G.YUVARAJ AI&ML, 2nd year
Mr. Prashanth, an alumnus of ISB and Harvard Graduate School of Education, epitomizes contemporary vision of academic excellence, global competence and creative thinking to build a world-class institution for engineering education.

A Graduate in Mechanical Engineering, he attended CPE programs of Harvard Graduate School of Education and the MDPs at IIM-A, ASCI and ISB.

Mr. Tirupathi Reddy, an MS in Computer Science from Alabama A&M University, has been in the IT industry for over 25 years and has founded multiple companies with great reputation.

» Founder of Avco Consulting, Greater Boston area, focusing on Java, J2EE and Cyber Security.
» Founder and President of Collaborate Solutions, Shrewsbury, MA, which serves technology staffing industry
» Director in Hexstream Technologies, Chicago, which delivers data analytics for the largest Utilities in USA & Canada
The milestones along the path:

- Instituted at Medak as Royal College of Engineering
- HITAM building certified by IGBC as the first Silver-rated Green building for a College
- Accredited by NAAC
- IBM partnership program launched
- Accredited by NBA (CSE, ECE)
- Ranked as a Band B (26-50) institution in national level ATAL rankings
- Full NBA accreditation (EEE & Mechanical included)

People who lead the path:

- **Dr. P. Rajesh Kumar**
  - B.Tech., M.E., Ph.D (IIT Madras)
  - Principal and Professor (ECE)

- **Dr. S. Arvind**
  - B.E., M.Tech., Ph.D
  - Dean - Academics & Accreditations

- **Dr. Kowdodi Siva Prasad**
  - B.Tech., M.Tech., Ph.D (IIT Kanpur)
  - Asst. Director - Doing Engineering

- **Dr. Sugandha Singh**
  - B.Tech., M.Tech., Ph.D, PGDM
  - Dean - Industry Institute Interface Cell

- **Mr. Vamsi Mohan Koka**
  - B.E., MS (UK), MBA (PGPMA - ISB)
  - Dean - Strategy & Operations

- **Col. A V Subramaniam**
  - M.Tech. (IIT, Kharagpur), PGDHRM
  - Registrar

- **Maj. Gen. (Dr.) Chandrashekhar**
  - M.Tech. (IIT, Kharagpur), Ph.D
  - Chief Mentor

- **Mr. Prashanth Arutla**
  - B.E., MBA (PGPMA - ISB)
  - Founder & Chairman

People who guide the path:

- **Prof. Sanjay Dhande**
  - Former Director- IIT, Kanpur
  - Chairman, Governing Body

- **Prof. Ashok S Shettar**
  - Vice Chancellor - KLE Tech
  - Member - Governing Body

- **Dr. Gyampriya Kariyana**
  - Executive Director, Karnataka State Higher Education Council
  - Member - Governing Body

- **Dr. Mallikarjuna Babu**
  - Former Principal - BMS College
  - Member - Governing Body

- **Brig. Pogula Ganesham**
  - Founder - Palle Srujana
  - Member - Governing Body

- **Dr. R. Sridevi**
  - Professor & Co-ordinator, CoE in Cyber Security, JNTU
  - JNTUH Nominee of Governing Body
As an Autonomous college, HITAM will have flexibility in terms of curriculum design, delivery and assessment / evaluation and hence, the teaching and learning processes can now be meticulously planned. The advancements in industry and the current practices in pedagogy are dynamically incorporated into the curriculum.

**CRITERIA FOLLOWED FOR EFFECTIVE CURRICULUM DESIGN AND TEACHING**

- The course curriculum should contribute towards published program goals
- The course should have clearly stated and measurable learning objectives
- The assignments and tests should be tied to the learning objectives and have to be valid and reliable
- Appropriate methods should be devised to monitor the effectiveness of the instruction
- The faculty should possess the necessary expertise in the subject and must update the course content making use of new advancements and methods
- The learning environment has to be appropriate and exciting, integrating teaching with research
- The faculty should set high expectations for students and drive a belief that they can be met; They should interact extensively, and motivate students towards the goals
- Curriculum should ensure that students achieve the learning objectives through assessment metrics

**ADJUNCT FACULTY**

Adjunct faculty program is intended to address the ‘academic drift’ and bring in engineering rigor by forging a symbiotic relationship with industrial partners, churning out skilled and ‘mission-ready’ workforce. Since the adjuncts offer real-time examples from their profession, it helps to build practical connections between the subject matter and their chosen careers.

Increasingly the solutions and businesses are steeped in inter-disciplinary approach/technologies and given the speed at which advancements keep happening, adjunct faculty plays a unique role to help meet regulatory and industrial concerns.

**FACULTY STRENGTH**

HITAM’s Faculty, relatively, has more awareness on engineering education. It’s uniquely placed in that the average experience of the faculty stands at 10 years.

**SCHOLARSHIPS**

Deserving/Meritorious students are awarded scholarships as a token of appreciation / motivation. Sport Persons & Physically Challenged students are also considered for special scholarships.
WE ARE ON THE DEFINITIVE CUSP OF THE FOURTH INDUSTRIAL REVOLUTION.

INDUSTRY 4.0, DEFINED BY BREAKTHROUGHS IN EMERGING TECHNOLOGIES SUCH AS ROBOTICS, AI, INTERNET OF THINGS, 3D PRINTING, AUTONOMOUS VEHICLES AND QUANTUM COMPUTING, WILL YET AGAIN CREATE A MASSIVE SHIFT ACROSS ALL INDUSTRIES AND BUSINESSES.

WE ARE HEADING TOWARDS AN ERA WHERE TECHNOLOGY WILL HELP US OVERCOME MANY CHALLENGES WE ARE CURRENTLY FACING. THEY WILL ALSO CREATE NEW JOB OPPORTUNITIES, WHILE MANY OTHERS WILL BECOME OBSOLETE.

HITAM HAS BRACED ITSELF FOR THE FUTURE BY OFFERING SPECIALIZED PROGRAMS IN EMERGING TECHNOLOGIES, APART FROM REDESIGNING ITS CURRICULUM AND REORIENTING ITS METHODOLOGIES FOR OTHER CUSTOMARY PROGRAMS.

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM

MINOR PROGRAMS OFFERED AT HITAM
4 PEDAGOGY

The Pedagogic model at HITAM is the result of two decades of in-house goal setting, experimentation, assessment, and analysis of the methodologies adopted over last 20 years. HITAM’s unique teaching / learning model has considered teacher awareness, interest, and accountability about the teaching, classroom activities which promote learning; experience-based evaluation methods, need for effective interaction and feedback to stimulate impactful learning.

The faculty member’s subject knowledge, pedagogical knowledge, commitment to continuing personal growth, and involvement in innovation and the effectiveness of the teaching is evaluated from the material curated for the teaching portfolio. Other parameters as part of the disciplinary research, including publication of number and quality of books, papers, and presentations, literature citations, number of research grants and contracts, reference letters, recognitions and awards are reckoned with to monitor the faculty’s pedagogical engagement.

TEACHING AND LEARNING PROCESS (TLP)

TLP is based on the concept of “We are teaching but are they learning?” Entire faculty at HITAM undergoes an IIEECP (International Engineering Educator Certification Program) which empowers them to design the courses, plan innovative pedagogy, and integrate technology for effective teaching and assessment.

- Most faculty members take up NPTEL (National Program on Technology Enhanced Learning) to keep themselves updated
- 30 Faculty members went to BVB College, Hubli (one of best Engg. Colleges in India) for Faculty Immersion Training
- Guru Shrusti – A faculty development module is run by Mr. Siva Kumar Palaniappan, author of “Become an Engineer, not just an Engineering Graduate”

OUTCOME BASED EDUCATION (OBE)

We have been getting trained in Outcome Based Education (OBE) for the past four years. 52 members of the faculty undertook a course by IUCEE and are implementing OBE in its true spirit. We got accredited by NBA with real OBE where as accredited colleges have challenges following OBE framework.

FACULTY CONCLAVE

Faculty Conclave is an event where all the teachers share their reflections on the teaching of the previous semesters. Other faculty members attend these sessions and incorporate the suggestions into their current course planning.

PROJECT / PROBLEM BASED LEARNING (PBL)

PBL is one of the pedagogies used by faculty at HITAM. Scope of projects involving multiple courses in a semester is discussed and planned among the faculty as part of the pedagogy. All the feasible projects are taken up as course level projects which may not be part of curriculum but enhance learning never the less.
FUTURE PROOF - PEDAGOGY AT HITAM

HITAM incorporates innovative methods in teaching-learning pedagogy such as collaborative learning, peer learning, technology-enabled learning and participative learning for students with different learning styles. The impact of employing the innovative methods is assessed using students’ feedback, course end survey and assessment results.

HITAM’s dynamic curriculum has in-built flexibility and is responsive to the fast-changing technology landscape. It focuses on combining the futuristic subjects with the traditional ones and imparts a skill-based curriculum, essential for the current needs and future demands of industry 4.0.

The World Economic Forum (WEF) predicted that most of the current jobs are bound to disappear in near future. In this era of increasing automation, creative and innovative mindset with an orientation for problem solving is essential for engineers to be employable.

Technical and digital skills apart, new skills required for Industry 4.0 would be complex problem-solving, critical thinking, creativity, people management, teamwork and collaboration, emotional intelligence, judgement and decision-making, service orientation, negotiation, and cognitive flexibility.

HITAM emphasizes scientific methods of teaching. The skills related to advance technologies and virtual collaboration are imparted through project-based learning. Expert talks, career counselling, personality development and soft skills training are incorporated to enable smooth transition into industry.

EXPERIENTIAL PROJECT - BASED LEARNING AT HITAM

All hands-on, student-centric teaching / learning platforms viz. EPICS, UBA, EWB, GCSP have now been seamlessly integrated into XPLORE.

the HITAM Xplore platform offers substantial preparation to enter the realms of scientific and engineering profession and helps students to explore future career options. It gives them a competitive advantage and enables smoother transition to full-time employment.

EWB and HITAM’s collaborative initiative is intended to encourage engineers to volunteer into community service, to assist and actually improve the lives of deprived sections.

Activities undertaken under this initiative include:
- Rolling out feasible recreational projects
- Creating awareness about community service
- Promoting education among disadvantaged communities
- Propagation of sanitation and conservation of natural resources

A program wherein multi-disciplinary students come together to meet different community partners to understand real-time problems and try giving solutions by applying engineering knowledge. HITAM has signed a formal MoU with Purdue University(USA) to execute this program.
5 DOING ENGINEERING

Best Practices for interactive, hands-on learning

CREATING A 360° LEARNING MILIEU TO INSTIL ENGINEERING RIGOUR AND FACILITATE HOLISTIC DEVELOPMENT

There is increased emphasis on applying knowledge to meet the demands of 21st century society, using skills such as critical thinking, independent learning, the use of relevant information technology, software, and data within a discipline.

The development of such skills requires active learning in real and complex environments, with plenty of opportunities to develop, apply, assess and practice such skills.

HITAM’s unique Doing Engineering methodology is designed and geared to churn out the global engineers who can be change leaders in their chosen domain.

SSDC (Student Skill Development Centres)

Practical content beyond curriculum of each engineering program is offered to students to carry out projects and acquire skills to solve complex Engineering problems. This has been producing tremendous outcome in terms of student learning and excitement. Courses listed here adjacent are offered by various departments under SSDC.

» Mechanical
AUTO CAD, CREO, Inventor Professional, Fusion-360, Revit MEP, HVAC Design, CAM & 3D Printing

» EEE
MATLAB, SIMULINK and PLC

» ECE
Arduino, Raspberry Pi, IOT, Device Drivers on Linux platform

» CSE
Oracle, MSBI, Python

APPLIED LEARNING

At HITAM, all levels of students are encouraged to apply their theoretical knowledge to practice, which facilitates ‘learning while doing’. This exercise will help students to improve their problem-solving skills by working on real-time problems of society.

PROJECT EXPO

Usually, final year projects are graded based on a five to ten minutes viva voce test. HITAM Expo enables them to adequately showcase their work and compete with others. Best projects are awarded and rewarded. This practice helps in increasing the quality of projects and enhances learning of the students.

ONLINE ASSESSMENTS

The Career Design Centre at HITAM conducts online assessments each year for all students. These assessments will be measuring students’ abilities on numerical ability, logical reasoning, data interpretation and problem-solving, helping organizations reach the right candidates while helping students identify challenging areas much in advance.

PEOPLE CONNECT

HITAM believes in continuous learning for both faculty and students. It has a huge bandwidth of people connectivity by way of patrons, mentors, advisors, resource persons and guests. People from leadership roles in top technical institutions in India are part of HITAM’s Strategic Planning.
**STUDENT SELF GOVERNANCE (SSG)**

The objective of Student Self Governance is to protect and improve the rights, opportunities, and quality of life of every student at the Institutional level. Student Self Governance was initiated at HITAM in the year 2012.

The predominant ideology behind establishing SSG is to enhance one’s leadership skills and enhance learning off the class as well. SSG plays a significant role in bridging the gap between the Governing Body and students’ needs. It can be a great tool for creating a positive campus experience and for teaching critical life skills.

**AFFINITY CLUBS**

Affinity Clubs are constituted to bring together like-minded students to organize events of their common interest and develop the prioritization, planning, execution, team building, leadership skills, etc., which help them improve upon their LifeSkills for career development.

These clubs help students in keeping them positively engaged and increase their intellect in their field of choice. Affinity clubs help in ‘Doing Engineering’ better and make them well-rounded and contended engineers who can positively contribute to the society.

**UNNAT BHARAT ABHIYAN (UBA)**

A Government of India Initiative, it involves students in collecting the information from the villages by adopting those villages and later analyse the data, identify the most burning issues of the village and work towards providing practical solutions to those problems.

**PALLE SRUJANA**

HITAM signed an MoU with Palle Srujana during 2017. It is a regional wing of Honeybee Network which promotes grassroots innovations by the rural folk to help each other. Engineering students play a collaborative role by first observing the traditional intellect, and later reflecting and improving upon it.

**YOGA & MEDITATION**

As part of its student holistic development, HITAM has come up with a Yoga & Meditation centre that helps students with inner strength and energy, better posture, reduced stress and improved attentiveness.

**ENTREPRENEURSHIP DEVELOPMENT CELL**

The EDC at HITAM is focused on identifying the entrepreneurial spirit among the students and help them in evaluating their ideas, propose a plan, suggest/deploy required resources and provide the necessary technical and managerial bandwidth to do the risk analysis and incubate the idea into a workable prototype, provide industry tie-ups, and prepare a business plan that is viable and scalable.

**HITAM TOASTMASTERS**

HITAM Toastmasters is a chartered club and it has been accomplishing the goals of helping individuals become better communicators through leadership training and public speaking practices.

**SAHAYA SOCIETY**

Volunteers from Sayaha Society of HITAM, as part of student extension activities, visit government schools to teach the students soft skills, life skills, computer skills and project-making skills. HITAM has been supporting Arutla Foundation (An NGO) centres in a few villages by imparting basic computer skills. HITAM also connects the unemployed youth of these villages to the NGOs, which train them on specific skills and provide employment.

**MERITOCRACY - AIDING THE MERITORIOUS**

Among the many initiatives of HITAM to foster excellence in engineering education, Meritocracy program is one that helps meritorious/talented students in academics and sports, apart from extending it to physically challenged ones, in fulfilling their aspirations.

**NSS @ HITAM**

The National Service Scheme (NSS) is an Govt. of India - sponsored public service program conducted by the Ministry of Youth Affairs & Sports.

NSS @ HITAM has been involved in several activities in creating social awareness and positive impact.
The Career Design Centre at HITAM guides and supports the students in launching and shaping their careers by imparting the necessary LifeSkills and inculcating key differentiators to turn a student into a competent and complete professional.

The Centre focuses on building LifeSkills, more specifically the employability skills, through various training programs and a calibrated industry-connect program that empowers a student for a glorious career. These skills and professional attributes, apart from brightening their job prospects, enable them for entrepreneurship or advanced academic pursuits.

The Training & Placement division of CDC critically reviews the current programs and continually undertakes their modification, apart from periodically developing newer ones. The Training Cell initiates, oversees and evaluates various training programs within the campus.

A few successful initiatives of the Training Cell are Industry Linkage Program, Career Assurance Program and Entrepreneurship Development Program. Every training program, in general, is meticulously designed to boost the confidence levels and team spirit of the student.

REGISTRATION AND ORIENTATION

CDC will conduct an orientation session at the beginning of the Academic Year on Career building and Career services of the Cell. The Registration and attending Orientation Session is mandatory for the students to avail the services offered by the Center.

CAREER ASSURANCE PROGRAM

HITAM offers CAP, a unique program that caters not only to outgoing batches but to the entire student community at HITAM, right from the first year itself. Training need analysis is done to identify and categorise the individual requirements of each student. The students are then trained for exponential growth by helping them overcome their deficiencies through practical application of the knowledge they have gained.

<table>
<thead>
<tr>
<th>Year</th>
<th>Program</th>
<th>No. of Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Engineering Acumen</td>
<td>30</td>
</tr>
<tr>
<td>Freshman</td>
<td>Soft Skills</td>
<td>60</td>
</tr>
<tr>
<td>II</td>
<td>Technical C &amp; Aptitude</td>
<td>90</td>
</tr>
<tr>
<td>III</td>
<td>Domain Training &amp; Employability enhancer</td>
<td>90</td>
</tr>
<tr>
<td>IV</td>
<td>Employability Preparation Training + Certification</td>
<td>200</td>
</tr>
</tbody>
</table>
CONTINUOUS EVALUATION PROGRAM

The Continuous Evaluation Program at HITAM helps in diagnosing training needs and measures progress made by students right from First Year till the Final year. HITAM has partnered with AoN for effective implementation of this program.

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>INDUSTRY PROGRAM</th>
<th>ACADEMIC PROGRAM</th>
<th>HOURS</th>
<th>CDC ACTION PLAN</th>
</tr>
</thead>
</table>
| SEM 1    | Employability Aptitude Test | | 1 | • Identify less competent students up-front and start working as early as we can  
• Give input to students on what to expect after 4 years |
| SEM 2    | Coding Platform C, C++ | | 1 | • Identify talented students with interest in coding. Work on enhancing their strengths |
| SEM 3    | Boot Camp | Domain Test (Relevant Subjects*) | 3+5 | • Customize training based on Boot Camp results  
• Check domain preparedness of students (Take extra classes for relevant students) |
| SEM 4    | Employability Aptitude Test | Domain Test (Relevant Subjects) | 1+5 | • Identify employability gap (at national level)  
• Check domain preparedness of students (Take extra classes for relevant students) |
| SEM 5    | Pre-Assess | Domain Test (Relevant Subjects) | 3+2 | • Identify eligibility of students by industry  
• Check domain preparedness of students (take extra classes for relevant students) |
| SEM 6    | Employability Aptitude Test GATE/Bank PO/ CAT | Domain Test (Relevant Subjects) | 4+2 | • Identify employability gap (at national level)  
• Check domain preparedness of students (take extra classes for relevant students) |
| SEM 7    | Pre-Assess | Full length Domain | 3 | • Train them to become eligible for Corporates through CoCubes as well |

*In each semester Coding Test is available for interested students for practice

OUR ESTEEMED TOP RECRUITING COMPANIES

![Mindtree](image_url)

![Legato](image_url)

![prokarma](image_url)

![jaro education](image_url)

![Infosys](image_url)

![Congruex](image_url)

![Tech Mahindra](image_url)

![recruit CRM](image_url)

![DBS Bank](image_url)

![erwin](image_url)

![Zekepace](image_url)

![Cognitus](image_url)

![Magnaquest](image_url)

![Tata Consultancy Services](image_url)

![Wipro](image_url)

![Tata Consultancy Services](image_url)

![Alight](image_url)

![Technovert](image_url)

![Accenture](image_url)

![ti](image_url)

![ekincare](image_url)

![ENH](image_url)

![Secure](image_url)

![Chegg](image_url)

![Zynamics](image_url)

![DXC Technology](image_url)

![Spiders](image_url)

![ZAPS GROUP](image_url)

![RAAM GROUP](image_url)

![Amazon](image_url)

![Kantar](image_url)

![inntRoad](image_url)

![Radiant](image_url)

![Capgemini](image_url)

![Axiom Global](image_url)

![PlanetSpark](image_url)

![Wiley](image_url)

![ADP](image_url)

![practo](image_url)
The industry associations and tie ups enable a demand-based, industry-responsive education to produce talent to meet market requirements while getting inputs on future challenges in the market. The fact that students are exposed to visiting industry experts gives them a ringside view of the current trends and the future direction.

The students tend to pick up the cultural traits, etiquette, and the way industry communicates, manages situations, and responds to client demands and concerns. Result being the smooth and lateral entry of students from portals of learning to pressure cooker workplaces, like fish taking to water!

**IN CAMPUS CERTIFICATION PROGRAMS IN ASSOCIATION WITH IBM**

IBM Career Education Program has created revolutionary changes in academia, rapidly building industry-ready software capabilities that are industry-specific and market-relevant.

The program is a comprehensive one for students and faculty members, ensuring the right results and benefits by collaborating at various levels, be it curriculum co-creation, software foundation skills, capability building or experiential learning.

These Programs are continuously evolving and keep adding on new capabilities, which are built around some critical identified requirements.

**CLOUD**
- Enterprise Application Development using Bluemix
- Web Application development
- Devops

**BLOCKCHAIN**
- Programming Fundamentals
- Nodejs
- Hyperledger Fundamentals
- Creating Blockchain Applications

**FULL STACK DEVELOPMENT**
- Programming Fundamentals
- Enterprise application development
- Introduction to HTML5, JavaScript, and Dojo Programming

**AI**
- Artificial Intelligence Analyst
- Deep Learning
- Machine Learning
- NLP

**DATA**
- Descriptive Analytics
- Predictive Modelling
- Big Data Analytics
- Data Science Experience using R & Python
- Data Science Experience using Spark & Scala

**IoT**
- Programming Fundamentals
- NodeRed
- Enterprise Application Development using Bluemix
- Application development using IoT

**SECURITY**
- Security Governance & Law
- Identity Management
- Security Intelligence Engineer
- Data Security

**HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT**
CoCubes is India’s leading assessment and hiring platform that runs assessments to measure employability across all domains. CoCubes measures and improves employability and helps candidates move ahead on their career path.
And that moment of reckoning to live up to a glorious past and the ‘burden of pride’ of upholding an illustrious legacy came across to the Founder and Chairperson of HITAM, Mr. Prashanth Arutla, when he took it upon himself to build an educational institution that would churn out ‘leaders of change’ who in turn would overcome the challenges and resolve the Engineering Grand Challenges faced by the World at large.

Joined by equally passionate professionals from eclectic domains, Hyderabad Institute of Technology And Management (HITAM) came into existence in 2001 to take engineering education to a higher plane beyond the ordinary.

HITAM today is a standing testimony to the vision of Mr Prashanth, a Mechanical engineer who has an MDP from Harvard, USA. He is the grandson of Sri Arutla Ramachandra Reddy and Dr. Arutla Kamala Devi, who spent the best part of their lives for the betterment of the less privileged in the State of Telangana. The founder’s vision stems from the illustrious lineage he belongs to.

HITAM, as an institution, draws inspiration from their lives and seeks to live up to the values upheld by such noble souls, viz. absolute sincerity, unquestionable integrity and probity in public life.

HITAM believes that education is the soul of the society that can bring about tremendous transformation for the benefit of humanity.

---

**Sri Arutla Ramachandra Reddy** was elected twice to the Assembly and represented Ramayampet (Medak) and Bhongir (Nalgonda). Such was their selfless devotion to public cause that they even turned down the allotment of land given to all MLAs in the upmarket Banjara Hills area in Hyderabad.

**Dr. Arutla Kamala Devi** was elected to the assembly thrice from Alair (Nalgonda Dist.) and was General Secretary of the AP Women’s Federation. She was the first and to date, the only woman Opposition leader in either AP or Telangana Assembly. The Kakatiya University conferred an honorary Doctorate degree on her.

---

**"THE PAST IS PROLOGUE"**

These words, penned by William Shakespeare, exemplify how the past and destiny join forces culminating in a life-changing moment.