



## PREINCUBATION

### **SUPPORT THROUGH PRE-INCUBATION FACILITIES-**

To have your own Start-up you need to know the “Technical know-how” of today's industry. Here we provide such a pre-incubation centre for students to develop, evolve, and learn from their mistakes and progress. Pre-incubator can be defined as a risk-reduced environment where entrepreneurial ideas are pre-filtered for market viability thus helping to avoid greater costs and failures of setting up new company in the further phases of business development. Besides equity gap lack of pre-seed finance is critical to promote business ideas into new innovative firms. In addition to inspiration and awareness inventors of new business ideas need professional coaching to turn in new firm and follow-up services (consultations, mentoring, infrastructure) until it is ready to pass the entrance criteria of Business world. Without support inventors often fail before or after setting firm.

### **A. R&D CELL –**

Research and Development cell was established at APSIT to inculcate research and innovative skills among faculty and students. R&D Cell provides a platform for creativity and innovation to flourish young minds in organization. Innovative breakthroughs will happen only because of meticulous efforts of R&D. The organization provides SEED amount to facilitate basic common research infrastructure for individuals to execute collaborative work.

### **B. INDUSTRY INSTITUTE INTERACTION CELL (IIC CELL) –**

To improve the quality of technical education adequately, to meet the needs of the Industry, society and economy, technical education system should operate at optimum efficiency and should produce good quality engineers who will deliver quality product to employers. To optimize the deployment of physical and human resources of Institutions and Industries in the pursuit of development of technical manpower & to enlist participation of industry in technical education programs, with a view to have better interaction between Industries and Institute, APSIT has started **Industry Institute Interaction Cell (IIC)**.

### **APSITSKILLS CENTER –**

APSIT skills is an initiative of Parshvanath Charitable Trust's APSIT to provide training and international certification in the futuristic technologies under one roof for engineering graduates in India. APSIT Skills Center is an innovative model for teaching and learning globally trending technologies to achieve the industrial objective through hands-on training. APSIT offers myriad ways of building engineering career through its strong industrial collaborations. College provides opportunities to master globally trending technologies certification of future with international at no extra cost. APSIT Skill Centre is presented as the most adequate educational methodology for the overall/all-round development of students. Students will have hands-on experience, potentiating their personality and taking them closer to reality.



## **INDUSTRY COLLABORATIONS WITH APSIT SKILL CENTER**

Following Globally trending technologies and industries are collaborated with APSIT Skill Centre department wise

### **A. Computer/Information Technology/Electronics and Telecommunications Engineering**

- NVIDIA Deep Learning Institute
- Block-Chain Council Membership
- Redhat Linux Academy Centre
- Open Source Experimental Lab
- Oracle Academy
- AWS Academy & AWS Educate
- Dell EMC Academic Alliance
- E-Yantra Robotics Lab
- Texas Instruments Innovation Centre
- CISCO Networking Academy
- Partnership with Leading India
- VMware IT Academy
- SAP University Alliance
- AYURUS Academy Excellence Centre
- Google Sponsored Machine Learning
- Game Development Club
- Unit Game Development Academy Alliance
- Palo Alto Networks Cybersecurity Academy
- UiPath Academic Alliance
- Corel Authorized Training Centre
- Digital Marketing Academy
- ICT Academy
- TMF Academy

### **B. Mechanical Engineering**

- MSC Software Training Centre
- Siemens Centre of Excellence



- "Dassault Systems" CLIC Program
- ANSYS Authorized Training Centre
- Autodesk Hub
- E-Yantra Robotics Lab
- Texas Instruments Innovation Centre
- BMW Skill Next
- CNC & VMC Training Academy
- UiPath Academic Alliance
- ICY Academy

### **C. Civil Engineering**

- MSC Authorised Training Centre
- Siemens Centre of Excellence
- Bentley Institute Academic Program
- Autodesk Hub
- Oracle Academy
- "Dassault Systems" CLIC Program
- ICT Academy

### **APSIT SKILLS LAB FACILITIES-**

#### **1. AYRUS Centre of Academic Excellence & Innovation**

A.P. Shah Institute of Technology has recently signed a memorandum of Understanding with AYRUS Global. Through this MoU AYRUS Global recognizes AP Shah Institute of Technology as an Innovation Centre and Academic Excellence Center for AYRUS. Students will be able to use various Sensors, solar power based cameras, GPS trackers and home automation kits for their final year BE Project. The aim of this academic centre is to provide training to students on

- a. The installation and use of different types of cameras like IP based dome cameras, bullet cameras on the 4G network.
- b. Configuration installation & troubleshooting of Digital Video Recorder (DVR).
- c. Installation and application of solar power video doorbell, solar cameras
- d. Installation and use of body camera in the field of Robotics.
- e. Installation and application of various sensors like motion sensor, ceiling mount PIR sensor door sensor for home automation and smart home.
- f. Use of Fingerprint, RFID for recording attendance and use of CLOUD software for manpower services.



- g. Use of Audio & Video conferencing device.
- h. Installation and use of GPS tracker device on a vehicle.
- i. Installation and application of AI based Human Tracking Camera.

## **2. ASHNIK Open Source Experimental Lab**

Open Source Experimental Lab for Emerging Technologies' is a collaborative effort of APSIT and ASHNIK to impart skills in the areas of open source technologies including Database, Docker, Elastic Stack Analytics, NGINX, and Cloud Computing to develop sufficient industry needed skills for students. Linux and Open Source are changing the face of computing. Companies large and small are embracing Linux and Open Source for many reasons, including cost, reliability, flexibility, and availability. Open Source Experimental Lab (OSE Lab) is well equipped with the latest servers. Guidance is provided to the students by a team of professors and committee members. The labs are kept open after the college hours to enable the students to engage themselves in getting practiced with Laboratory experiments in their leisure hours. The lab will be used to train the students to make experiments to get familiar with the emerging open source technologies.

ASHNIK and APSIT have collaborated to set up an "Open Source Experimental Lab for Emerging Technologies" Lab in the campus to help students and faculty members enhance their skills in areas of open source technologies including Database, Docker, Elastic Stack Analytics, NGINX, Cloud and Linux Platform. This lab aims at providing knowledge of emerging open source technologies and expose students to open source software's.

A joint committee has been formed comprising of professors, students, representatives of APSIT and ASHNIK that will continuously discuss on content, delivery etc. The Committee will monitor and review the activities under these program and will also mentor the participating students. While doing each program participant will have access to various open source communities for participating in their projects on their interest and to get additional study material and resources to interact with experts & participate in discussions.

## **3. Salesforce Student Chapter**

Salesforce is a customer relationship management solution that brings companies and customers together. It's one integrated CRM platform that gives all your departments — including marketing, sales, commerce, and service — a single, shared view of every customer. Deliver the personalised experiences your customers expect by using the integrated CRM platform that we call our Salesforce Customer 360 Platform. It provides powerful, connected products for improving your marketing, sales, commerce, service, IT, and more. When you buy Salesforce, you're not just buying a CRM platform; you're joining an inclusive community of over 10 million innovators, disruptors, and community shapers we call Trailblazers. With free online learning from Trailhead, they're learning the skills to improve their companies and careers.

## **4. e-Yantra Robotics Lab**

To address futuristic needs of industrial automation, eYantra Robotics Lab (eYRL@APSIT) is setup in collaboration with IIT Bombay. eYRL facilitates Design and Development of Industrial Robotic Automation. Project e-Yantra is an initiative to spread education in embedded systems and Robotics by IIT Bombay. This program is sponsored by Ministry of Human Resource Development through the National Mission on Education through ICT (NMEICT). e-Yantra Lab Setup Initiative (eLSI) supports the infrastructure creation at colleges by providing a platform for training teachers both in theory and



applications of Robotics. A. P. Shah Institute has established Robotics Lab under E-Yantra Lab with the help of eLSI.

### **5. MAC Club**

The MAC is a club of students from the APSIT who design & fabricate solar based automotive which are operated by a DC motor. The purpose of the MAC club is to build up interest towards theoretical as well as practical knowledge, along with management and team work among under graduate students. It gives students hands on experience in designing & manufacturing. The main aim of the club is to reduce the usage of organic fuel powered vehicles and design environment friendly electric power vehicles.

### **6. Bennet University Times of India Group Partnership with Leading India**

APSIT has a tie up with an initiative by leadingindia.ai on AI and deep learning Skilling and Research which is in collaboration with technology giants like Bennett University, Brunel University, IEEE computer society, AWS educate, UCL, and many more. It has the potential to change the landscape of AI Research in India. Students are provided with the certificates for the workshops and research group participations. All the training material required is made available to the students. Assessment of the working of the research groups via progress report, Skype Calls, Webinars is done in a professional manner. Various competitions in Deep learning are held for the students to give them a chance to put their work on display all the above-mentioned facilities are provided to APSIT students completely free of cost. Courses & Workshops: Every year college conducts introductory and advance certification courses for APSIT students.

1. A Course on "AI and Deep learning" for students and faculties
2. Machine learning Lab
3. Two days Certification program by Bennett University

### **7. 'Utter' Virtual Language Lab**

Utter gives learners access to a fun learning environment that aims at building confidence and giving people the opportunity to not only grow in their careers, but their personal lives as well. It's now a lot easier (and a whole lot more fun) to improve your English speaking, reading, and writing skills – download Utter, and start the conversation! Learn English with our chatbots for just 10 minutes each day, or learn from our teaching experts, and you'll become more fluent and confident with the English language in no time.

During the early stages of entrepreneurship, having the right environment and the right network is highly important. The Pre-Incubation Programs gives a nascent entrepreneur the right platform to launch his /her idea and move forward to develop it into a marketable Minimum Viable Product (MVP).

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