

BITS & BYTES

2021-22

**EVENTS,
WORKSHOPS & TRAININGS**

**MOMENT
OF PRIDE**

**ACADEMIC
INITIATIVES**

**INDUSTRIAL
COLLABORATIONS**

INTERNSHIPS

ACHIEVEMENTS

**STUDENT
ARTICLES**

**DEPARTMENT OF
INFORMATION
TECHNOLOGY**

(NBA ACCREDITED)



APSIT

Editorial



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Magazine Editor



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Editor-In-Chief



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Director



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Magazine Co-Editor



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Co-Editor-In-Chief



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Jahnavi K.
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Principal's Desk



Dr. Uttam D. Kolekar
Principal

PhD (Electronics and Telecommunication Engineering)

I am glad to announce the release of our institute's Department of Information Technology's magazine "Bits & Bytes" for the fifth consecutive year. The magazine embarks and works towards fulfilment of their prime vision to transform students into globally competent IT professionals. This magazine is an inspiration for students and faculties to stay ambitious and target higher goals. We look forward for successful journey of our young aspiring engineers. The diligent efforts of Editorial Board behind this magazine are highly appreciable. I would also like to congratulate the students and faculties on their accomplishments and wish them luck on their future endeavours.

- Dr. Uttam D. Kolekar
Principal



Dr. Kiran Deshpande
HOD,
Department of Information Technology

With great pleasure and pride we are here with the subsequent edition of our Information Technology Department magazine "Bits & Bytes. This magazine highlights the outstanding accomplishments achieved by our students and faculties during Academic Year 21-22. One of the prestigious achievement is the NBA Accreditation received by the department which was only possible with unanimous efforts of our faculties and dear students. It indeed makes me feel happy to portray how well the students have utilized various academic initiatives and industrial collaborations for value added knowledge at optimum level. As we thrive hard to achieve our objective, to turn the challenges of the changing world into wisdom of opportunity for the future, we also believe in inculcating our students with moral ethics which will turn them into responsible citizens. Harmonious bond among students and faculties will aid department to attain the set goals and progress collaboratively. I congratulate the entire Editorial Team for their efforts and zeal to compile this magazine. I would also like to wish them luck for their future venture.

- Dr. Kiran Deshpande
HOD,
Department of Information Technology.

INSTITUTE'S VISION

APSIT aspires to be a premier institute producing globally competent engineering professionals to contribute towards socio-economic growth of India.

MISSION

To provide conducive and collaborative environment to meet contemporary & future Engineering challenges by project based and value-added education with the support of trained faculty.

DEPARTMENT'S

VISION

To be a prime center of excellence by transforming students into globally competent IT Professionals.

MISSION

M1: To develop, support and maintain state-of-art infrastructure to serve as a potent resource hub for the IT industries.

M2: To inculcate the problem solving, analytical, logical skills and to promote the culture of creativity and innovation among the students.

M3: To adapt with the transformation of the technology emphasizing on interdisciplinary studies, exposure to emerging technologies and imbibing high standards of professional ethics and social responsibilities in all endeavors.

Department Program Educational Objectives

PEO 1 PREPARATION: To make students competent for higher studies and employable, to meet industrial requirements.

PEO 2 CORE COMPETENCE: To develop students having core competence in science, mathematics and fundamentals of Information Technology to address everchanging industrial requirements globally.

PEO 3 BREADTH: To create academically conducive environment to learn engineering skills in the domains such as Database, Data Analytics, Application Development and Allied Technologies.

PEO 4 PROFESSIONALISM: To enrich students with professional ethics, leadership qualities, and entrepreneurial skills.

PEO 5 LIFE LONG LEARNING: An ability to engage in lifelong learning for effective adaptation to technological developments.

Department Program Specific Outcomes

Program Specific Outcomes

PSO1 To use modern computer languages, environments and platforms in creating innovative Carrier paths in the areas of database, data analysis and application development.

PSO2 To apply theoretical foundations of Information technology in developing solutions for engineering problems that meet automation needs of industry and society.

PSO3 To design and implement efficient real-time solutions using evolving knowledge of information technology by demonstrating the practices of professional ethics and the concern for societal and environment well being.



Department Infrastructure

Academic Infrastructure

- Air-Conditioned Classrooms and Tutorial Rooms equipped with touch interactive projection system
- Well-equipped Air-Conditioned Laboratories connected to Centralized Server Room.
- Media-Equipped Air -Conditioned Seminar hall.
- Online Departmental Library Management System.

Computational Facility

- Number of Computational Nodes available in Department: 300
- Number of Blade Server Systems: 05
- PC to Student ratio: 1:1.
- Dedicated leased line of Internet
- Wi-Fi Access & CCTV Surveillance.
- NVIDIA DGX workstation for AI & Data Science research.
- iOS Lab for cross platform application development

Highlights

- Use & accessibility of remote servers during laboratory sessions.
- E-Learning Facility with Moodle.
- Online Tests for Self Assessment.
- Virtual Classroom & Web Conferencing facility for Query Sessions.
- Authentication based Internet access and printing facility for students.
- Cloud Storage for Students.
- Online Lab assignments submission & assessment with feedback. (E-assessment).
- Online Academic Feedback Facility for Students.
- Lab availability for students after academic hours.
- Expert Talks, Value addition Programs & Project Based Learning.
- Student Technical Clubs like Cybersecurity, AI & ML, DevOps for collaborative learning.
- Online Mentoring Portal.
- Free GATE, GRE and Pre-Placement Training.
- E-books through Pearson, Tata Mcgraw Hill, Online Library.



Academics

Results for A.Y. 2021-2022

ODD Semester

SEIT

Name	CGPA
Ahire Rohan	10
Ahire Sakshi	10
Balekar Sakshi	10
Chaudhari Mitali	10
Chavan Kalpesh	10
*30+ Students have Got 10 Pointer	

TEIT

Name	CGPA
Simpi Pranjali	10
Bhoir Parth	10
Dasi Sindura	10
Gujar Ekta	10
Akansha Rawat	10
*10+ Students have Got 10 Pointer	

BEIT

Name	CGPA
Khairnar Shubham	10
Dharap Chinmay	10
Rane Saloni	10
Samyak Nilesh	10
Tolia Krishita	9.88

Results for A.Y.2021-2022

EVEN Semester

SEIT

Name	CGPA
Bhalerao Vaishnavi	9.35
Jain Nishank	9.35
Mahapatra Subhashish	9.22
Sathe Atharv	9.22
Gondhalekar Anusha	8.96
*2+ Students have Got 8.96 Pointer	

TEIT

Name	CGPA
Gujar Ekta	10
Janhavi Kulkarni	9.86
Bhoir Parth	9.86
Shetty Kunal	9.59
Snehal Shanbhag	9.45
*3+ Students have Got 9.45 Pointer	

BEIT

Name	CGPA
Rane Saloni	9.74
Jash Seth	9.59
Luniya Diya	9.56
Shinde Aditya	9.52
Gawas Akshata	9.52
Dhruva Vivek	9.04

Perfect 10

Ekta Gujar

The institute has such an amazing faculty that I did not feel the need to join any other classes. Every lecture was very well explained with the intention of making everyone well versed with the topics.

Also it was about putting your best effort and also having excellent time management skill.

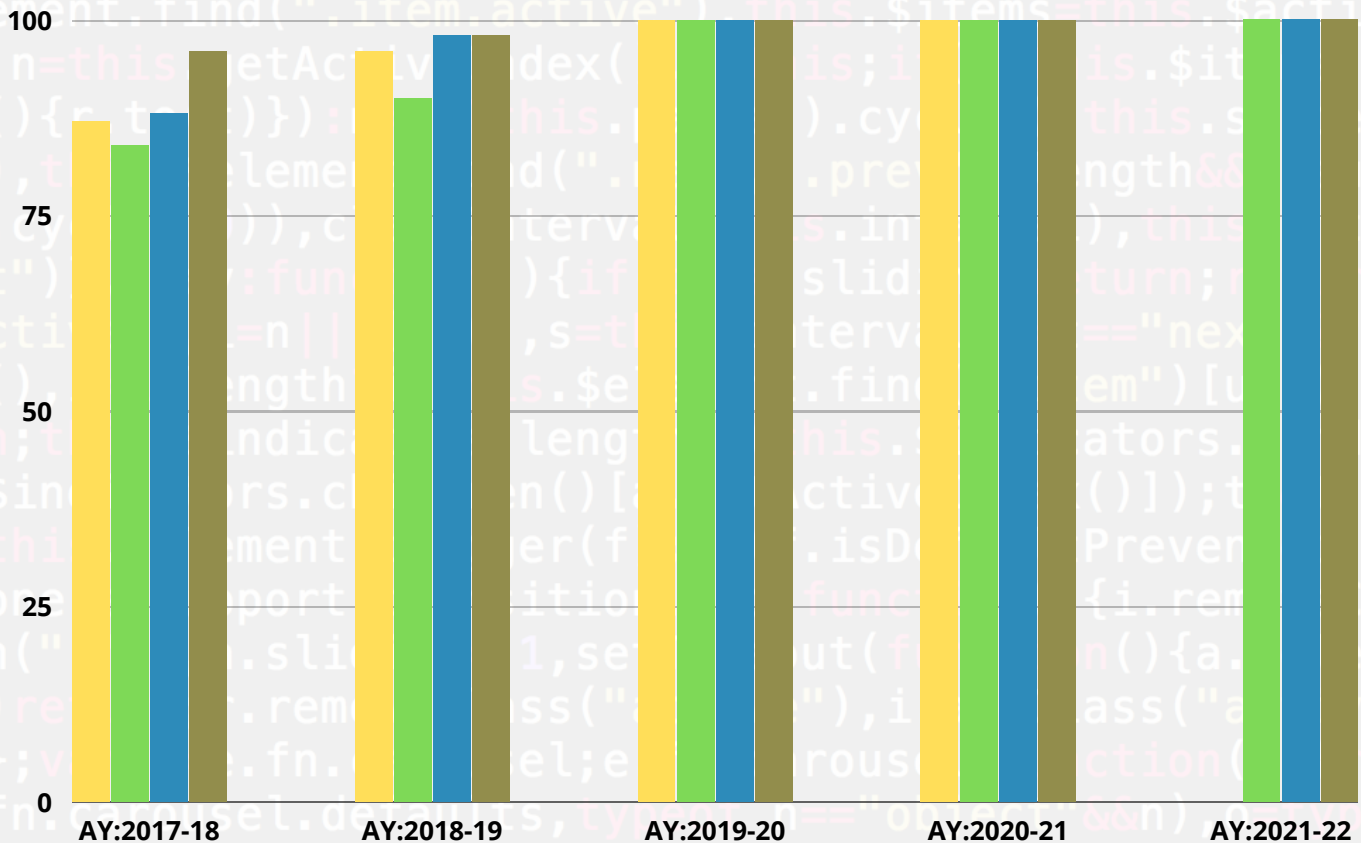
Effective notes provided by professors also added as an aid in scoring good marks in exam. Getting a 10 pointer was definitely unexpected and I would like to thank everyone including my parents and teachers for enhancing my academic growth. Lastly i would say, there are no secrets to success. It is the result of preparation, hard work and learning from failure.

Academic infra structure created by department taking into consideration online mode of teaching and innovative practices used by faculties help me a lot in achieving the successes.



Result Analysis

As a premium institute we are providing our students with complete ecosystem for their overall development. Along with this we keep on enhancing the teaching learning processes continuously by bringing in latest technology and trends. This all can be realized through excellent performance by our students in university examination.



Any department is said to thrive when the faculty and the students produce results that are visible. We honor the academic achievements of students, who have excelled in their endeavors and we are immensely proud of their success. This has been possible because of smart, innovative teaching methodologies augmented with time intensive planning & efforts put in by Faculties & students.

- Prof. Yaminee Patil, Exam Coordinator.



Student Achievements

Technical

Smart City Hackathon 2022

Student Name

- Tanay Jain
- Dhruva Mhatre
- Prerna Kanawade
- Snehi Ratani
- Shreyas Sawant

Result

Reached finals

Parvi Agarwal

Event

- Women Tech Network
Global Ambassador Awards
2021

Result

- Received Global
Ambassador Award
- Received Global
Community Award

Aagya Singh

Event

Red Hat Academy Student
Ambassador Program

Result

Selected as student
Ambassador of APSIT

Technical

(Course Completion Statistics through Industrial Collaborations)



Cisco Networking Academy

Course name

- Programming Essentials in Python
- Programming in C
- IoT Fundamentals Connecting Things
- Linux Essentials
- IOT Fundamentals Big Data & Analytics
- IT Essentials
- Network Essentials
- Introduction to Networks

Course Completion Statistics

110
356
53
102
77
314
97
95



AWS Academy

Course Name

- Data Analytics
- Essential of cloud computing
- Machine Learning Foundations

Course Completion Statistics

20
29
100

Oracle Academy



Course name

- Database Foundations
- Java Foundations

Course Completion Statistics

100
103

Technical

(Course Completion Statistics through Industrial Collaborations)

Red Hat Academy



Course name

- RH294(Red hat system administration III)
- DO101(Introduction to openshift applications)
- DO180(Red hat openshift I: Containers & Kubernetes)
- RH124(Red hat system administration I)

Course Completion Statistics

49
48
49
71



Blue Prism Academic Alliance

Course Name

- Blueprism Foundations

Course Completion Statistics

60

Huawei Academic Alliance



Course name

- HCIA-Security

Course Completion Statistics

40

Technical

(Course Completion Statistics through Industrial Collaborations)

Palo Alto Cybersecurity Academy

paloalto
NETWORKS

PCCET

Course name

- Palo Alto Networks Certified Cybersecurity Entry-level Technician
- Cybersecurity Virtual Internship Program
- CYBERSECURITY VIRTUAL INTERNSHIP PROGRAM

Course Completion Statistics

8

34

69



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(Religious Jain Minority Institution)



PCCET Global Certification



Akshay Bhura



Anvit Mirjurkar



Mayuri Patil



Shubhangi Tripathi



Janahvi Kulkarni



Vedant Patil



Yugandhar Ghatge



Mudra Limbasia

paloalto
NETWORKS

PCCET

- 8 Students Completed PCCET Global Certification through Palo Alto Cyber security Academy in A. Y. 2021-22

Technical

Research Publications

To inculcate research culture among-est students, Department has develop ecosystem to ensure publication of their BE project work in reputed International conference and Journals

Paper Tittle	Team Member	Name of Conference
Spaced Repetition Basedadaptive E-Learning Framework	Varun Godambe Neelay Umrotkar Amit Kharwal	Springer-ICDLAIR 2021
AI-ML Based Smart online Examination Framework	Swapnil Sapre Kunal Shinde Keval Shetta	Springer-ICDLAIR 2021
Automation of supply chain Management for Healthcare	Hitarth Saiya Jash Seth Samyak Doshi	Springer-ICDLAIR 2021
E-fresh: Computer Vision and IOT based system for Food Industry	Akshata Gawas Krishita Tolia Siddhesh Gaikwad	IEEE-ICAC3 2021
Developing Smart ML Based Recommendation System	Sakshi Naik Sayali Phowakande Arjun Rajput	Springer-IEMIS 2021
RC-sized Autonomous Vehicle with Prediction Model	Om Bheda Fenil Bhimani Amey Mohite	IEEE I2CT
Annadata: A Web Based Farmer's Portal	Kaustubh Sawant Swarad Hajarnis Shubham Khairnar	Springer ICTIS
Surakhsha Kavach:ML based cross platform application for Covid-19 vulnerability Detection.	Ruchi Raicha Jasmine kaur Srushti Patil	Springer ICTIS

Technical

Research Publications

Paper Tittle	Team Member	Name of Conference
New-born's Cry Analysis using Machine Learning Algorithm.	Parvi Agrawal Manish Kumar Vaishnavi Sriramoju	ICCIIT 2022 - Elsevier SSRN series
Using ML for Facial Mask Detection	Harsh Saraiya Prajakta Mhaske Saloni Rane	IEEE ICONAT 2022
BeSafe: IoT Based Safety Band	Ganesh Jambuka Krishi Shah Riddhi Shah	Springer ICSMDI
Blockchain based framework for real estate transactions	Amit Pandey Aditya Shinde Rajan Khade	Springer - ICCNCT 2022
Implementing AI Based Comprehensive Web Framework for Tourism	Nada Rajguru Jaynam Shah Harsh Shah	Springer ICTIS 2022
A 3D Storyline Using Unity Game Engine	Aaryan Parab Tanaya Patil Nikhil Rathod	IEEE 2nd CONIT 2022
An IOT based framework for Statistical Analysis and Screening of Covid-19	Pratik Gholap Apoorva Gadkari Priyanka Walekar	Springer ICIOT2022
Experimental study on Virtual Reality-based retail mall called "V-Mart"	Jaaie Kadam Prachi Manera	ICCIIT 2022 - Elsevier SSRN series
Using AI for Designing Id cards embedded with Invisible QR code.	Dhruva Mhatre Chirag Jain Prem Vispute	ICCIIT 2022 - Elsevier SSRN series

Ojus 2022: Annual Sports Meet

Badminton

Players

- Akshata Gawas(Single)
- Akshata Gawas, Saloni Rane(Girls Double)

Result

Runners-up
Runners-up

Table Tennis

Players

Akshata Gawas(Single)
Soham Dhuri, Diya Luniya(Mix Doubles)

Result

Winner
Winner

Athletic

Players

Vedant Patil

Result

Runners-up

Ojus 2022: Annual Sports Meet

Relay

Players

- Vedant Patil
- Maaz Mirza
- Anish Bhosle
- Anwit Mirjurkar

Result

Winner

Outdoor Sports

Teams

Football (Boys)
Volleyball (Boys)
Kabaddi (Girls)
Throw ball (Girls)

Result

Winner
Winner
Winner
Winner











Faculty Achievements



DR. UTTAM D. KOLEKAR

- 3 Research Scholars got doctorate degree under the guidance from University on Mumbai.
- Published 3 patents in domains of interest.
- Presented and Published 6 research papers in reputed international journal and conferences.



Dr. Sameer S. Nanivadekar

- Published Patent on "Blockchain for IOT Security & Privacy of Violation Records" on 21/01/22
- Presented and Published 5 research papers in reputed international journal and conferences.



Dr. Kiran B. Deshpande

- Completed PhD in Information Technology from University of Mumbai.
- Presented and Published 6 research papers in reputed international journal and conferences.

The enthusiastic, focused and qualified faculties of APSIT has continued to bring laurels to the institute and raise the bar. Keeping oneself abreast with the technological advances and imbibing them in their teaching methodologies is an asset. Extending that tradition our faculty members have evolved and upgraded themselves to provide students with a conducive environment to thrive in upcoming technology.



Prof. Nahid Shaikh

Prof. Nahid Shaikh, got Certified as AWS Certified Solutions Architect, one of the most prestigious global IT Certification.



Prof. Apeksha Mohite

Prof. Apeksha Mohite has added another feather in her cap by completing global certification of HCIA, Security.





Prof. Vishal Badgujar

Prof. Vishal Badgujar Involved in NPTEL Translation Project, IIT Madras approved by MHRD as a Quality Controller (QC) for Translated Multidisciplinary courses in Hindi and Marathi Language. He has received 37k Honorarium. Apart from this he has brought various proud moments for the institute. Some of his accomplishments are mentioned below.

- Got STAR QC Certification from NPTEL, IIT Bombay.
- Appreciated as NPTEL Active SPOC by IIT Bombay
- Got certified as Blue Prism Associate Developer through Blue Prism Academic Alliance.



Prof. Ganesh Gourshete

Prof. Ganesh D. Gourshete has made the institute proud by securing the 3rd Position as an ICT Academy Instructor in Network Track. He also got certified as Blue Prism Associate Developer through Blue Prism Academic Alliance.

Global Certifications through Red Hat Academy

Red Hat Certified System Administrator, one of the most prestigious global IT Certification is completed by Department faculties. Which will eventually help students to build their carrier in respective domain



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OPPORTUNITIES TO LEARN FUTURISTIC TECHNOLOGIES
FREE OF COST





Prof. Neha Deshmukh





Prof. Sonal Jain



Groom career of your ward under guidance of Internationally certified Faculties in trending technologies at APSIT



Prof. Manasi Choche





Prof. Vishal Badgujar



Benifits to APSIT Students:

- ✓ Globally Certified Instructors
- ✓ In-house training addressing futuristic technologies
- ✓ Free of cost access to study material of global certification through LMS
- ✓ Discounted Exam Vouchers

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 [qjus APSIT](https://www.youtube.com/channel/UCjUSAPSIT)  [apsit_thane](https://twitter.com/apsit_thane)



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Global Certifications through AWS Academy

AWS, one of the most prestigious global IT Certification is completed by Department faculties. Which will eventually help students to build their carrier in respective domain



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Prof. Nahid Shaikh



Prof. Sonia Aneesh



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Prof. Vishal Badgujar

aws academy

Certified Instructor,
AWS Academy,
APSIT Thane.



Prof. Yaminee Patil

aws academy

Certified Instructor,
AWS Academy,
APSIT Thane.

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**Prof. Manjusha
Kashilkar**



**Prof. Jay
Mehta**



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**Prof. Pravin
Adivadekar**



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Research Publications by Department Faculties in A.Y.2021-22

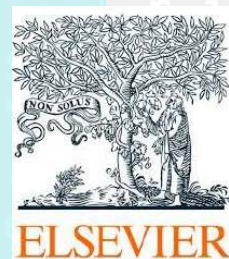


Faculty Name

Paper Title

Name of Conference

Prof. Vishal Badgujar	Spaced Repetition Based adaptive E-Learning Framework	Springer-ICDLAIR 2021
Prof. Vishal Badgujar	AI-ML Based Smart online Examination Framework	Springer-ICDLAIR 2021
Prof. Vishal Badgujar, Prof. Geetanjali Kalme	Automation of supply chain Management for Healthcare	Springer-ICDLAIR 2021
Prof. Kiran Deshpande, Prof. Kaushiki Upadhyaya, Prof. Sonal Jain	E-fresh: Computer Vision and IOT based system for Food Industry	IEEE-ICAC3 2021
Prof. Apeksha Mohite, Prof. Geetanjali Kalme	Developing Smart ML Based Recommendation System	Springer-IEMIS 2021
Prof. Apeksha Mohite	RC-sized Autonomous Vehicle with Prediction Model	IEEE I2CT
Dr. Sameer Nanivadekar, Prof. Sonal Jain	Annadata: A Web Based Farmer's Portal	Springer ICTIS
Prof. Yaminee Patil, Prof. Sonal Jain	Surakhsha Kavach: ML based cross platform application for Covid-19 vulnerability Detection.	Springer ICTIS
Prof. Anagha Aher	New-born's Cry Analysis using Machine Learning Algorithm.	ICCIIT 2022 - Elsevier SSRN series
Prof. Kiran Deshpande, Prof. Kaushiki Upadhyaya, Prof. Nahid Shaikh	Using ML for Facial Mask Detection	IEEE ICONAT 2022



Research Publications by Department Faculties in A.Y.2021-22

Faculty Name	Paper Title	Name of Conference
Prof. Neha Deshmukh	BeSafe: IoT Based Safety Band	Springer ICSMDI
Prof. Anagha Aher, Prof. Nahid Shaikh	Blockchain based framework for real estate transactions	Springer - ICCNCT 2022
Prof. Neha Deshmukh	Implementing AI Based Comprehensive Web Framework for Tourism	Springer ICTIS 2022
Prof. Uttam Kolekar, Prof. Sonal Jain	A 3D Storyline Using Unity Game Engine	IEEE 2nd CONIT 2022
Prof. Anagha Aher	An IOT based framework for Statistical Analysis and Screening of Covid-19	Springer ICIOT2022
Prof. Kiran Deshpande, Prof. Kaushiki Upadhyaya	Experimental study on Virtual Reality-based retail mall called "V-Mart"	ICCIIT 2022 - Elsevier SSRN series
Prof. Kiran Deshpande, Prof. Nahid Shaikh	Using AI for Designing Id cards embedded with Invisible QR code.	ICCIIT 2022 - Elsevier SSRN series



FDP's Completed by faculties during A.Y. 2021-22

Faculty members are motivated to enrol in various FDPs to facilitate up-gradation of their knowledge and skill organized at university, state and National Level.

Faculty Name

Course Name

Dr. Sameer Nanivadekar

1. Data science and Block Chain

Prof. Ganesh Gourshete

1. Accreditation and Outcome Based Learning

Prof. Vishal Badgujar

1. Developing Online Courses for Swayam

2. Accreditation and Outcome Based Learning

Prof. Neha P. Deshmukh

1. DEVELOPMENT, MODELLING AND SIMULATION OF ELECTRIC VEHICLE AND ITS CHARGING STATION USING TYPHOON HIL (INDUSTRY ORIENTED)

2. AI & ML

3. IoT: A Journey from Sensor to Server

Prof. Apeksha T. Mohite

1. Virtual/Augmented Reality

2. Data Science : Applications and Research Directions

3. Accreditation and Outcome Based Learning

Prof. Anagha N. Aher

1. Accreditation and Outcome Based Learning

Prof. Nahid Shaikh

1. Artificial Intelligence and Machine Learning

Prof. Geetanjali R. Kalme

1. Cultivating Excellence in Implementation of Computational Science for Scientific and Technological Innovations"

2. Accreditation and Outcome Based Learning

3. Soft Computing Techniques and their Applications in Electrical Engineering

4. Current Research Trends in Computer Engineering

Prof. Yamini M. Patil

1. Web X.0

2. Accreditation and Outcome Based Learning

Prof. Sonal Jain

1. ATAL FDP on Artificial Intelligence and Machine Learning

2. Accreditation and Outcome Based Learning

Prof. Roshna Sangle

1. Multitechnology

Prof. Sneha Dalvi

1. Smart Computing

Prof. Manjusha Kashilkar

1. Multitechnology

Prof. Shafaque Fatma Syed

1. ATAL FDP On Creating and Publishing e-Content in Technical Teaching Learning Process

Prof. Manasi Choche

1. Data Science Using Python

Ms. Shweta Mahajan

1. Accreditation and Outcome Based Learning

2. Artificial Intelligence and Machine Learning

FDP's Completed by faculties during A.Y. 2021-22



STTP's Completed by faculties during A.Y. 2021-22

Faculty member are motivated to enrol in various STTP's to facilitate up-gradation of their knowledge and skill related to trends in current IT landscape.

Faculty Name

Course Name

Prof. Ganesh Gourshete	1. Data Science Using Python
Prof. Apeksha T. Mohite	1. Data Science using Python
Prof. Anagha N. Aher	1. Cyber Physical Systems
Prof. Nahid A. Shaikh	1. Data Science using Python
Prof. Geetanjali R. Kalme	1. Data Science using Python
Prof. Roshna Sangle	1. Smart Computing
Prof. Roshni Singh	1. Data Science and Use of Visualization Tools
Prof. Susmita Das	1. Data Science and Use of Visualization Tools
Prof. Rajashri Chaudhari	1. Cyber Physical Systems 2. Smart Computing
Prof. Manasi Choche	1. Building Efficiencies in Software Project Management by Integrating Devops Tools
Prof. Poonam Pangarkar	1. The Application Development Using Microservices for Cloud Computing



STTP's & Trainings Conducted by Faculty Member A. Y. 2021-22

Essentials of Cloud Computing

Training Conducted By:



Prof. Nahid Shaikh

(Certified Instructor, Red Hat Academy)

Essentials of Linux Server Administration and Networking

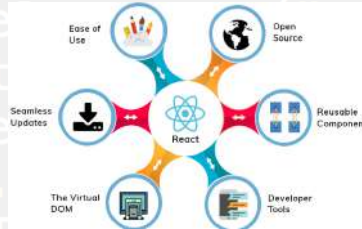
Training Conducted By:



Prof. Neha Dehsmukh

(Certified Instructor, Red Hat Academy)

STTP's/ Training Conducted by Faculty Member



Developing Web Applications using REACT JS

Training Conducted By:



Prof. Yaminee Patil

(Incharge Virtusa COE @APSIT on
Java Full Stack Development)



**MOMENT
OF PRIDE**



award

Remarkable Achievements

With the pursuit to evolve and upgrade and to provide students with a conducive environment to thrive in upcoming technology. Aligning to it and rigorously adhering to it is our main motto and to accomplish this our faculty members are continuously upgrading their skills. The enthusiastic, focused and qualified faculties of APSIT have continued to bring laurels to the institute and raise the bar.



"It's a great privilege for me to work in A.P.Shah Institute of Technology, College has given me the opportunity to grow and develop my skills in the Cyber security field. Palo Alto Network certified PCCET training and certification has accelerated my journey in the network security domain. Courses are framed in such a way that provide a great opportunity to any individual irrespective of their domain to learn the concept of Cyber Security from anywhere and anytime. With this great experience and recognition of earning PCCET certification, this course has enhanced my knowledge in the security domain. This certification has boosted my confidence to the next level as I have acquired immense knowledge about these cutting edge technologies. With this acquired knowledge and confidence I have become much better at my job."

Prof. Manjusha Kashilkar

(Certified instructor, Palo Alto Cybersecurity Academy)

Global Certifications through Red Hat Academy



Prof. Neha Deshmukh, Prof. Vishal Badgujar, Prof. Mansi Choche and Prof. Sonal Jain got Certified as Red Hat Certified System Administrator, one of the most prestigious global IT Certification.



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Prof. Neha Deshmukh





Prof. Sonal Jain



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Prof. Manasi Choche





Prof. Vishal Badgujar



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Prof. Nahid Shaikh





Prof. Sonia Aneesh



Groom career of your ward under guidance of Internationally certified Faculties in trending technologies at APSIT



Prof. Vishal Badgujar


Accredited Instructor,
AWS Academy,
APSIT Thane.



Prof. Yaminee Patil


Accredited Instructor,
AWS Academy,
APSIT Thane.

Benifits to APSIT Students:

- ✓ Globally Certified Instructors
- ✓ In-house training addressing futuristic technologies
- ✓ Free of cost access to study material of global certification through LMS
- ✓ Discounted Exam Vouchers

FOLLOW US:

 www.apsit.edu.in  [apsitthane](https://www.linkedin.com/company/apsitthane)

 [Apsit.Thane](https://www.facebook.com/Apsit.Thane)  [apsit_thane](https://www.instagram.com/apsit_thane)

 [ojus_APSIT](https://www.youtube.com/channel/UCjUS_APSIT)  [apsit_thane](https://twitter.com/apsit_thane)

HCIA Global Certification



Prof. Apeksha Mohite has brought a proud moment to the department by completing HCIA-security global certification of Huawei.



Virtusa Global Certification

virtusa

Prof. Yamini Patil and Prof. Shafaque Syed have completed the Virtusa training on Full stack Development and become Accredited instructors through Virtusa Center of Excellence.



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
(All Branches NBA Accredited)



OPPORTUNITIES TO LEARN FUTURISTIC TECHNOLOGIES
FREE OF COST



virtusa

Prof. Yaminee Patil
Accredited Instructor
Virtusa COE @APSIT on
Java Full Stack
Development.





virtusa

Prof. Shafaque Syed
Accredited Instructor
Virtusa COE @APSIT on
Java Full Stack
Development.



**Groom career of your ward under guidance of Internationally
certified Faculties in trending technologies at APSIT**

Benifits to APSIT Students:

- ✓ Globally Certified Instructors
- ✓ In-house training addressing futuristic technologies
- ✓ Free of cost access to study material of global certification through LMS
- ✓ Discounted Exam Vouchers

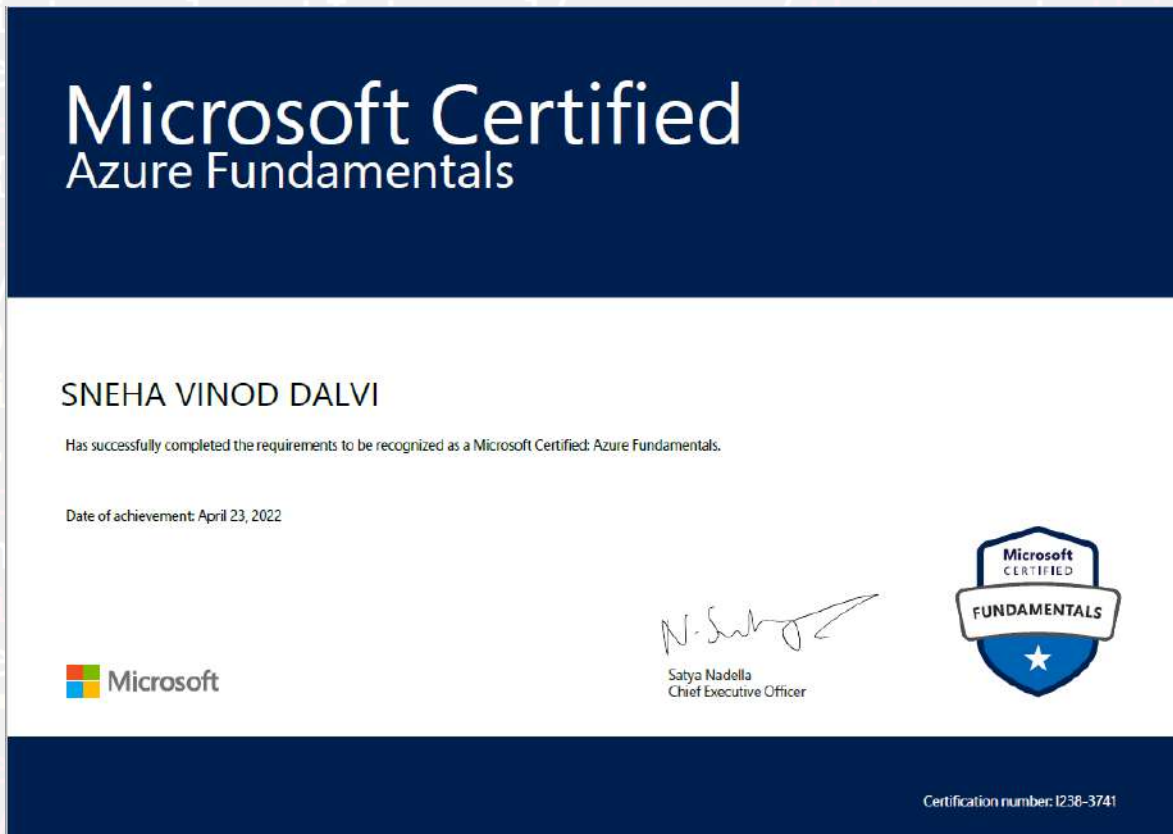
FOLLOW US:



Azure Global Certification



Prof. Sneha Dalvi has completed Global Certification of Azure Fundamentals and recognized as Microsoft Certified Azure Expert.



"It's a great pleasure to work with AP SHAH Institute of technology, work culture and eco-friendly environment motivate me to expand my technical skill set towards the emerging technologies. So with the grace and my interests towards it, college has provided me with an opportunity to thrive and develop my skill set in cloud computing Platform. Azure and AWS training and certification expedited my journey through the cloud computing architecture and its applications."

Prof. Sneha Dalvi

Parvi Agrawal

WTGC2021 Speaker, Founding Member & Global Awardee@Women Tech Network | IEEE WIE AG Chairperson @IEEEAPSIT | IEEE APSIT Student Branch Networking Team Lead |Red Hat Academy Student Ambassador | | at A.P. Shah Institute of Technology



Winner in the categories:

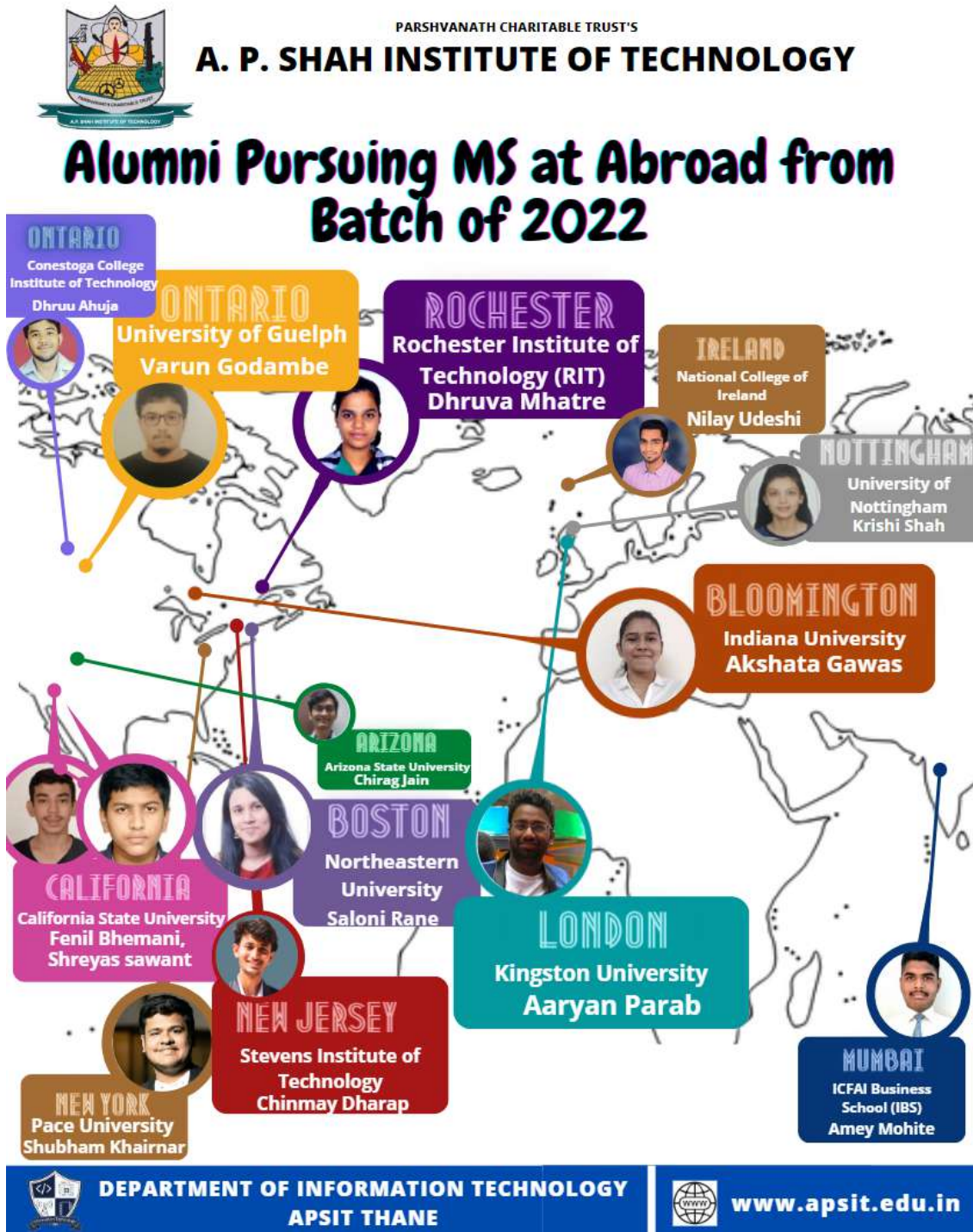
WomenTech Ambassador Award, WomenTech Community Award (Public Voting)



Our Student Parvi Agrawal (BE IT) has received Global Ambassador award at WomenTech Network Global Award 2021. She was also keynote speaker at WomenTech Global conference 2021.

She was also student Ambassador of Red Hat Academy @APSIT, and a Volunteer at the National Service Scheme. She is a social worker and likes to help those in need. Parvi has worked as a Mentor, Volunteer, and coordinator at various events. She is interested in Big Data, Cloud Computing, Digital Marketing, and Publicity.

Students Pursuing Higher Studies at Abroad from Batch of 2021



16 Students from Batch 2022 are pursuing higher studies in prestigious universities all around globe.



Research Publications through BE Projects in reputed international Journals & Conferences

Our department has provided us with a research culture embedded within academics where students are encouraged to publish our research work on major projects. The journey started with the orientation regarding IT domains such as AI & ML, IOT, networking, application development etc. Hands-On training on Latex and GitHub were conducted to enable us with current tools and technologies required for collaborative project management. Various webinars and expert talks were also arranged to inculcate the basic skills of writing effective research papers. In addition to that list of Scopus indexed conferences and journals have been shared by guides to identify and target the conferences. Department has also provided financial support for presenting papers in reputed national and international conferences and Journals.



"Department has provided ecosystem inculcate research culture embedded amongst students, where students are encouraged to publish their research work on major projects. 18 Project Groups have published their papers in reputed conferences like IEEE, Springer etc. under the guidance of skilled faculty members and also got reimbursement of all the expenses for the same."

Prof. Vishal Badgujar - Project Coordinator

Research Publications

Paper Tittle	Team Member	Name of Conference
Spaced Repetition Basedadaptive E-Learning Framework	Varun Godambe	Springer-ICDLAIR 2021
	Neelay Umrotkar	
	Amit Kharwal	
AI-ML Based Smart online Examination Framework	Swapnil Sapre	Springer-ICDLAIR 2021
	Kunal Shinde	
	Keval Shetta	
Automation of supply chain Management for Healthcare	Hitarth Saiya	Springer-ICDLAIR 2021
	Jash Seth	
	Samyak Doshi	
E-fresh: Computer Vision and IOT based system for Food Industry	Akshata Gawas	IEEE-ICAC3 2021
	Krishita Tolia	
	Siddhesh Gaikwad	
Developing Smart ML Based Recommendation System	Sakshi Naik	Springer-IEMIS 2021
	Sayali Phowakande	
	Arjun Rajput	
RC-sized Autonomous Vehicle with Prediction Model	Om Bheda	IEEE I2CT
	Fenil Bhimani	
	Amey Mohite	
Annadata: A Web Based Farmer's Portal	Kaustubh Sawant	Springer ICTIS
	Swarad Hajarnis	
	Shubham Khairnar	
Surakhsha Kavach:ML based cross platform application for Covid-19 vulnerability Detection.	Ruchi Raicha	Springer ICTIS
	Jasmine kaur	
	Srushti Patil	
New-born's Cry Analysis using Machine Learning Algorithm.	Parvi Agrawal	ICCIIT 2022 - Elsevier SSRN series
	Manish Kumar	
	Vaishnavi Sriramoju	
Using ML for Facial Mask Detection	Harsh Saraiya	IEEE ICONAT 2022
	Prajakta Mhaske	
	Saloni Rane	

Research Publications

Paper Tittle	Team Member	Name of Conference
BeSafe: IoT Based Safety Band	Ganesh Jambuka	Springer ICSMDI
	Krishi Shah	
	Riddhi Shah	
Blockchain based framework for real estate transactions	Amit Pandey	Springer - ICCNCT 2022
	Aditya Shinde	
	Rajan Khade	
Implementing AI Based Comprehensive Web Framework for Tourism	Nada Rajguru	Springer ICTIS 2022
	Jaynam Shah	
	Harsh Shah	
A 3D Storyline Using Unity Game Engine	Aaryan Parab	IEEE 2nd CONIT 2022
	Tanaya Patil	
	Nikhil Rathod	
An IOT based framework for Statistical Analysis and Screening of Covid-19	Pratik Gholap	Springer ICOT2022
	Apoorva Gadkari	
	Priyanka Walekar	
Experimental study on Virtual Reality-based retail mall called "V-Mart"	Jaaie Kadam	ICCIIT 2022 - Elsevier SSRN series
	Prachi Manera	
Using AI for Designing Id cards embedded with Invisible QR code.	Dhruva Mhatre	ICCIIT 2022 - Elsevier SSRN series
	Chirag Jain	
	Prem Vispute	
Handwriting recognition and conversion using neural networks	Aditya Saini	Springer-ICT4SD
	Kunal Sant	
	Sumeet Swain	



"Our department has developed an ecosystem to cultivate research culture through different project orientation sessions. This ecosystem has helped us to gain the skills for presenting research work based on our final year project. We have published our papers in reputed international conferences under the guidance of the skilled faculty members guidance and also got reimbursement of all the expenses. This eventually boosted our confidence during placement or seeking higher studies."

- Tanaya Patil-BEIT

Global Certification through Huawei ICT Academy

38 Students have completed prestigious HCIA Security Global Certification under guidance of Prof. Apeksha Mohite through ICT Academy

The banner is for the A. P. Shah Institute of Technology, established by Parshvanath Charitable Trust's. It is approved by AICTE New Delhi & Govt. of Maharashtra, affiliated to the University of Mumbai, and is a Religious Jain Minority Institution. The banner celebrates the successful completion of the Huawei HCIA Security Global Certification by 38 students of the Department of Information Technology. The students' names are listed in a grid, with Akshada Warik highlighted. The Huawei logo and the HCIA Security certification logo are also present.

PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority Institution)

HUAWEI
HCIA Security Global Certification is Successfully Completed
by **38 Students** of Department of Information Technology

Prerana Kanawade	Anurag Singh	Harsh Shah	Kunal Shetty	Siddhesh Puranik
Akshada Warik	Abhijeetkumar Mishra	Sindura Dasi	Tanmay Doshi	Siddhesh Gaikwad
Nada Rajguru	Sakshi Naik	Sourav Joshi	Ishika Sharma	Anvit Mirjurkar
Janhavi Kulkarni	Ruta Mhaskar	Vedant Patil	Ekta Shantaram Gujar	Mudra Limbasia
Nilay Udeshi	Kushal Todl	Soham Dhuri	Akansha Rawat	Jaynam Shah
Samiksha Pawar	Varun Godambe	AbhayPratap Singh	Yugandhar Ghatge	Tanay Jain
Parth Bhoir	Anjali Singh	Rajan Khade	Shridhar Joshi	
Krishita Tolia	Snehal Shanbhag	Pranjali Shimpi	Sumeet Swain	

HCIA Security

Global Certification through Palo Alto Cybersecurity Academy

8 Students have completed much required PCCET Global Certification under guidance of Prof. Manjusha Kashilkar through Palo Alto Cyybersecurity Academy @APSIT.



PARSHVANATH CHARITABLE TRUST'S
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(Religious Jain Minority Institution)



PCCET Global Certification



Akshay Bhura



Anvit Mirjurkar



Mayuri Patil



Shubhangi Tripathi



Janahvi Kulkarni



Vedant Patil



Yugandhar Ghatge



Mudra Limbasia




"The Palo Alto Cybersecurity Academy @APSIT helped us to get in-depth hands on experience of configuring and managing various security services. Due to different skill development program under this academy, really gives a head start for the students to crack the job interviews. The Palo Alto certifications from the college really helped me to get an upper hand during recruitment drives."

Mudra Limbasia - TEIT

AICTE Virtual Internship Program

Completion Statistics (I Half A.Y. 2021-2022)

More than 300+ internships are completed by Department students through AICTE Virtual Internship Program under the guidance of certified faculties.

Domain Name	Internship Completions	Academy	Instructors
AI-ML And Data Analytics	58	AWS Academy 	Prof. Nahid Shaikh Prof. Yaminee Patil Prof. Vishal Badgujar
Cybersecurity	34	Palo Alto Cybersecurity Academy 	Prof. Pavin Adivarekar Prof. Manjusha Kashilkar
Linux Automation	25	Red Hat Academy 	Prof. Neha Deshmukh

AICTE Virtual Internship Program

Completion Statistics (II Half A.Y. 2021-2022)

Domain Name	Internship Completions	Academy	Instructors
AI-MI	76	AWS Academy 	Prof. Nahid Shaikh
CLOUD	12	AWS Academy 	Prof. Nahid Shaikh
CYBERSECURITY	187	Palo Alto Cybersecurity Academy 	Prof. Manjusha Kashilkar
DATA ANALYTICS	15	AWS Academy 	Prof. Yaminee Patil Prof. Vishal Badgujar
LINUX AUTOMATION	87	Red Hat Academy 	Prof. Neha Deshmukh



PROFESSIONAL STUDENT ASSOCIATIONS

IEEE

Institute of Electrical and Electronics Engineers



Department has organized 10+ technical events through IEEE Student Branch @APSIT during A.Y. 2021-22

IEEE is the world's largest technical society, bringing Members access to the industry's most essential technical information, networking opportunities, career development tools and many other exclusive benefits. An IEEE Student Branch provides opportunities to meet and learn from fellow IEEE Student and Graduate Student Members and engage with professional IEEE members locally. An active IEEE Student Branch can be one of the most positive elements of student academic career offering programs, activities and professional networking opportunities that build critical skills. Department of Computer Engineering & Information Technology inaugurated "IEEE APSIT Student Branch". This inaugural event took place on the 22nd of January 2019, by the hands of Dr. Hussain Mahdi, Professor, Department of Electronic and Computer Engineering, University of Limerick (UL), Ireland & also professional speaker and motivator from the Technical Society of IEEE.

IEEE

Institute of Electrical and Electronics Engineers



IEEE

Sr.No	Name of Event	Date
1.	IEEE- App development using Flutter	12/9/2021
2.	IEEE-UI/UX Designing	19/9/2021
3.	OpenCV/Co mputer Vision	26/9/2021

CSI

Computer Society of India



Computer Society of India is the first and largest body of computer professionals in India. It was started on 6th March 1965 by a few computer professionals and has now grown to be the national body representing computer professionals. It has 72 chapters across India, 511 student branches, and 100,000 members. The Computer Society of India is a non-profit professional meet to exchange views and information, learn and share ideas. The wide spectrum of members is committed to the advancement of theory and practice of computer Engineering and Technology System, Science and Engineering, Information Processing and related Arts and sciences. The Society also encourages and assists professionals to maintain integrity and competence of the profession and fosters a sense of partnership among members. Besides the activities held at the Chapters and Student Branches, the Society also conducts periodic conferences, seminars. With a view to provide a diverse platform to our aspiring engineers, Department of Information Technology inaugurated the student chapter. This CSI Institutional membership and CSI Student chapter is an opportunity for networking with professionals, knowledge sharing through CSI Publication & Portal etc. It provides huge, long lasting benefits of value to the institution, its management, faculties and students.

CSI

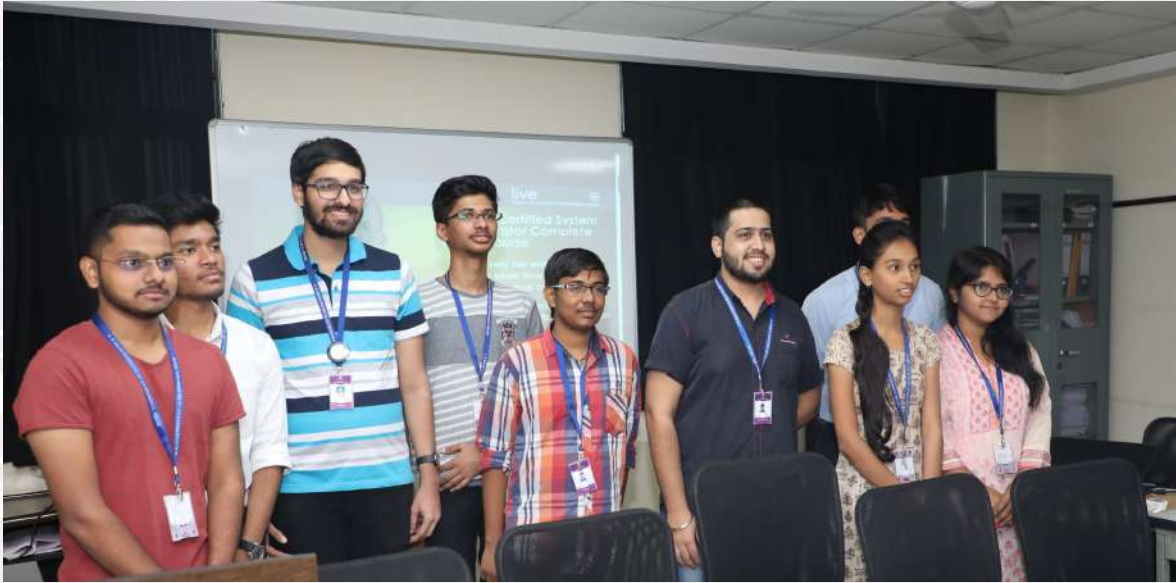
Computer Society of India



Sr No	Name of Event	Date
1	How To Write Research Paper	13-07-2021
2	Effective use of NVIDIA DGX workstation for AI based projects	18-07-2021
3	Roadmap for BE Major Project Selection	20-07-2021
4	Cyber Safety Awareness	24-08-2021
5	Significance of Internship for Engineering students	18-09-2021
6	Cross- Platform Mobile Application Development using Xamarin	07-10-2021
7	Impact Lecture Session On how to develop innovative ideas for companies	11-10-2021
8	Use of GitHub in Collaborative Project Development	13-10-2021
9	Flutter technology	18-10-2021
10	Road Map to Masters Abroad	23-10-2021
11	Career Opportunities in Cyber Security	28-10-2021
12	Problem Solving and Ideation- Motivational Session By Successful Innovators	29-10-2021
13	Frontiers of Cloud Computing at Mphasis	19-11-2021
14	Career pathways in Process Mining and Future Prospects	27-01-2022
15	RoadMap to Masters Abroad	12-02-2022
16	Process Intelligence with Celonis and KPMG	17-02-2022
17	Developing Innovative Engineering Projects for Societal Needs	18-02-2022
18	Frontiers of Cloud Computing at Wipro	03-03-2022
19	Process Intelligence with Celonis and IBM	16-03-2022
20	Ethical Hacking Tools & Technologies	11-04-2022
21	CMS Web Application	18-04-2022
22	Digital Designing	19-04-2022
23	Basics of Blender	20-04-2022
24	Unity Game Development	22-04-2022
25	Architecting Cybersecurity with Next- Gen Firewall	22-04-2022
26	Opportunities of Online Learning through Swayam NPTEL & IITB Spoken Tutorial	29-04-2022
27	Importance of Cyber Security in Digital World	07-06-2022

ITSA

IT Students Association



With a motive to provide to exhibit, explore and develop technical skills of the students, the institute had planned to form departmental and institute level associations for the students. ITSA was inaugurated and formed with a motive of creating a bond among students and working towards departmental and personal excellence. It provides students opportunities to learn various technologies and team work ethics. ITSA emphasizes on development and enablement of every individual associated. ITSA also promotes "for the students by the students" ideology for collaborative technical upliftment. ITSA overall brings together all students and creates a bonding which helps in enhancing students intellectual progress.

ITSA

IT Students Association



Prof. Anagha Aher
CSI Incharge



Prof. Apeksha Mohite
ITSA Incharge



Prof. Nahid Shaikh
T & P coordinator



Anand Morye
ITSA Vice-President



Chimay Dharap
ITSA President



Akansha Rawat
ITSA Secretary



Mudra Limbasia
Student Head T&P

Shubhangi Tripathi
T&P Co-ordinator

Tanay Jain
T&P Co-ordinator



Pranjali Shimpi
Student Head CSI

Ekta Gujar
CSI Co-ordinator

Sindura Dasi
CSI Co-ordinator

Kunal Shinde
Treasurer

Bhimraj Parihar
ITSA Co-ordinator

Atharva Joshi
ITSA Co-ordinator

Tanmay Doshi
ITSA Co-ordinator

Mayuri Patil
ITSA Co-ordinator

Anagha Rai
ITSA Co-ordinator

Abhijeet Mishra
ITSA Co-ordinator

Janhavj Kulkarni
ITSA Co-ordinator

Snehal Shanbhag
ITSA Co-ordinator

Yugandhar Ghatge
ITSA Co-ordinator

Loveritu Itmare
ITSA Co-ordinator

Simran Choudhary
ITSA Co-ordinator

T&P Cell

Training & Placement Team helps students in getting industry exposure through Industrial Visits. It also helps students to enhance their technical expertise through various Value Addition Programs on Futuristic Technologies.

ITSA

ITSA is Information Technology Students Association which works for development of every individual associated. It also gives opportunity & platform to everyone for uplifting their skills.

CSI

CSI is Computer Society of India which helps in bridging gap between Industry & Academics by providing opportunities to students through various technical workshops & seminars.

ITSA

IT Students Association

Sr No	Expert Talk	Date
1	Roadmap for BE Major Project Selection	20-07-2021
2	Road Map to Masters in Abroad	23-10-2021
3	RedHat Openstack Administration	16-12-2021
4	RoadMap to Masters Abroad	12-02-2022
5	Webinar on Frontend Development	21-02-2022
6	Webinar on Backend Development	22-02-2022
7	Webinar on Javascript	23-02-2022
8	Webinar on Microprocessors 101	25-02-2022
9	Ethical Hacking Tools & Technologies	11-04-2022
10	Webinar on "CMS Web Application".	18-04-2022
11	Webinar on "Digital Designing"	19-04-2022
12	Webinar on "Basics of Blender"	20-04-2022
13	Webinar on Unity Game Development	22-04-2022
14	Importance of Cyber Security in Digital World	07-06-2022





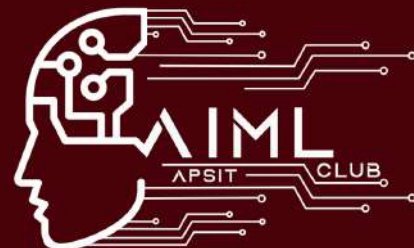
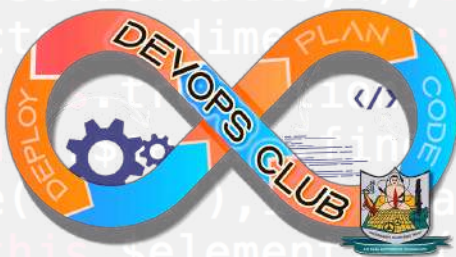
INDUSTRIAL COLLABORATIONS

OPEN SOURCE EXPERIMENTAL LAB



**DATA
SCIENCE
WIZARDS**®

APSIT has collaborated with Data Science Wizards by developing Open Source Experimental Lab in campus for enabling students in harnessing the power of Data, employing Artificial Intelligence & Machine Learning.



AI ML LAB POWERED BY NVIDIA



NVIDIA DGX workstation

To offer the best education, training and research facility to students in Artificial Intelligence powered by GPU for AI with focus on deep learning, machine learning, data science, Computer Vision and analytics.

NVIDIA DEEP LEARNING INSTITUTE CERTIFICATE OF COMPETENCY



This certificate is awarded to
JAINAM CHOPRA

for demonstrating competence in the completion of
FUNDAMENTALS OF DEEP LEARNING

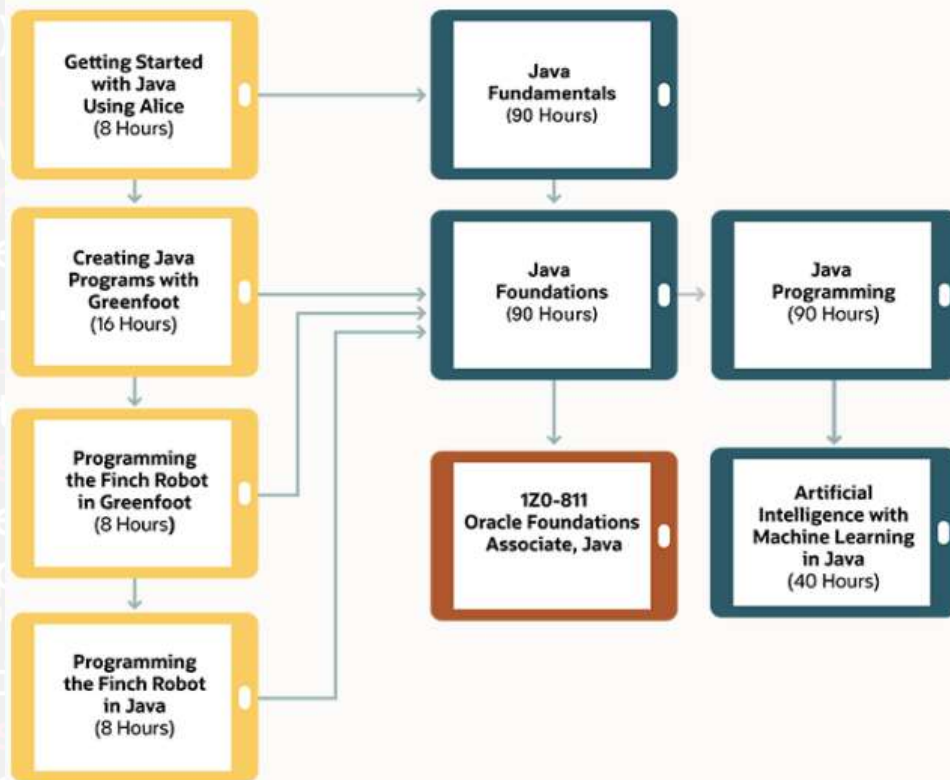
Will Ramey
Senior Director, Developer Programs, NVIDIA

2021
Year issued



DEEP
LEARNING
INSTITUTE

ORACLE ACADEMY



ORACLE®
Academy

Oracle Academy is a collaborative effort of APSIT & Oracle Corporation, USA to impart skills leading to global certifications in the domains like JAVA Programming, Database Design & Programming & PL/SQL

ORACLE
Academy

AWARD of FINAL EXAM COMPLETION

Java Foundations

PRESENTED TO

ROHAN AHIRE

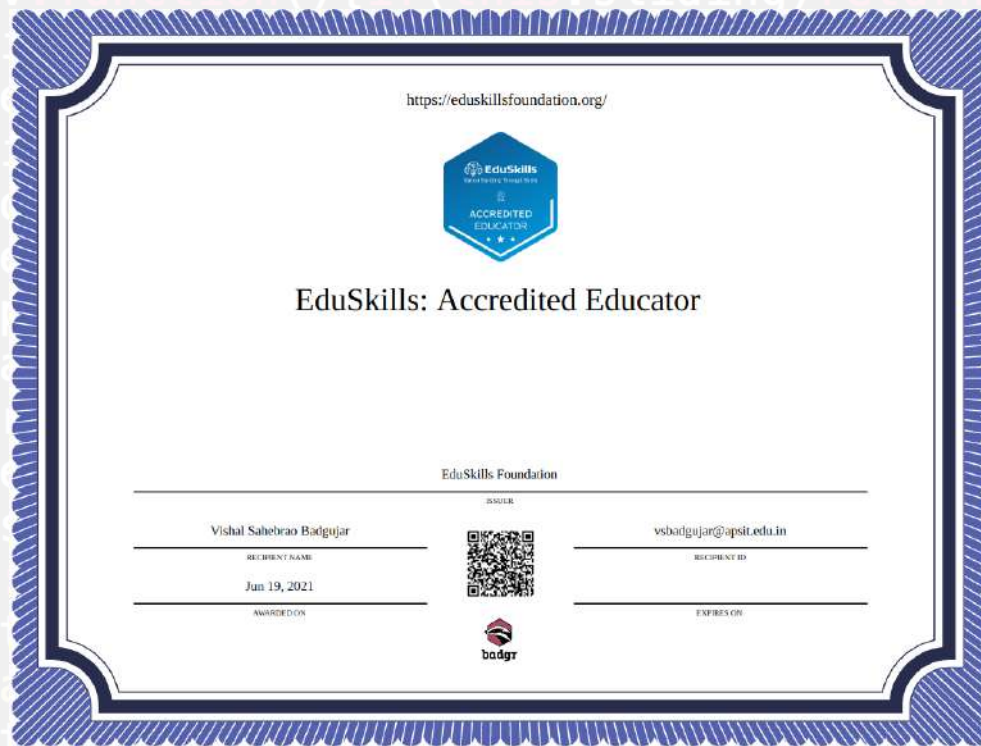
FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM

29th November 2021

Elizabeth Snyder
Elizabeth Snyder
Vice President, Oracle Academy

BLUE PRISM ACADEMY ALLIANCE

Blue Prism Academic Alliance @APSIT, aims to provide platform where students can start their career and RPA knowledge with coursework through a global network of colleges, universities, as well as through online certification opportunities, hands-on labs, and other Blue Prism learning resources.



Prof. Vishal Badgujar and Prof. Ganesh Gourshete have completed Foundation and Advance Educator training through Blue Prism Academic Alliance and became Accredited Instructors.

REDHAT ACADEMY



Red Academy is a collaborative effort of APSIT & Red Hat, Inc USA to impart the skills leading to global certifications in the areas of Core System Administration, Middleware Development & Microservices.

Why Red Hat Academy?

Red Hat Academy turns academic institutions into centres for enterprise-ready talent by outfitting them with Red Hat training and certification. Red Hat Academy provides a curriculum to help education institutions keep pace with the demands of industry. The curriculum involves hands-on instruction across platform, middleware, and cloud technologies built with input from Red Hat development, support, and field consulting teams. Rather than learning theoretical skills, students learn practical skills based on use cases from thousands of enterprise implementations.

Course name	Course Completion Statistics
RH294(Red hat system administration III)	49
DO101(Introduction to openshift applications)	48
DO180(Red hat openshift I: Containers & Kubernetes)	49
RH124(Red hat system administration I)	71

CISCO NETWORKING ACADEMY



CISCO Networking Academy has been set up in collaboration with Cisco Inc. USA. Courses lead to global certifications in the areas of Cybersecurity, IOT, Routing & Switching.



OpenEDG Python Institute Authorized Academy Program



Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Aaswiti Kanhed

Student

A.P. Shah Institute of Technology

Academy Name

India

Location

25 Apr 2022

Date

Prof. Kiran Deshpande

Instructor

Instructor Signature

www.netacad.com | www.pythoninstitute.org

Course name

Course Completion Statistics

• Programming Essentials in Python	110
• Programming in C	356
• IoT Fundamentals Connecting Things	53
• Linux Essentials	102
• IOT Fundamentals Big Data & Analytics	77
• IT Essentials	314
• Network Essentials	97
• Introduction to Networks	95



Networking Academy

AWS ACADEMY



Amazon Web Services & Educate program prepares students for booming technology of Cloud Computing. AWS certification is a doorway to IT industry. AWS Academy Cloud computing curricula prepares students for industry-recognized certificates and in-demand cloud jobs.

Course Name

- Data Analytics
- Essential of cloud computing
- Machine Learning Foundations

Course Completion Statistics

20

29

100



AWS ACADEMY

Through AWS Academy students has completed AICTE Virtual Internship in various domains link AI ML, Data Analyties and Cloud



AICTE Virtual Internship Completion Statistics through AWS Academy

Sr. No.	Domain	Industrial Collaboration	No. of Completion
1	AI - ML VIRTUAL INTERNSHIP PROGRAM	AWS Academy	24
2	AWS CLOUD VIRTUAL INTERNSHIP	AWS Academy	10
3	DATA ANALYTICS VIRTUAL INTERNSHIP	AWS Academy	04
4	AI-ML and DATA ANALYTICS INTERNSHIP	AWS Academy	58



JUNIPER NETWORKS® CLOUD AND AUTOMATION ACADEMY

Juniper Networks® Cloud and Automation Academy @ APSIT aims to provide the opportunity for developing knowledge that reflects networking industry trends, with a focus on cloud solutions and network automation.

Through Juniper Networks® Cloud and Automation Academy 100+ courses are completed related to academic subject



JUNIPER NETWORKS | Education Services

CERTIFICATE OF ATTENDANCE

This acknowledges that

SUBHASHISH MAHAPATRA

has successfully completed

Junos, Associate (JNCIA-Junos) Voucher Assessment Test

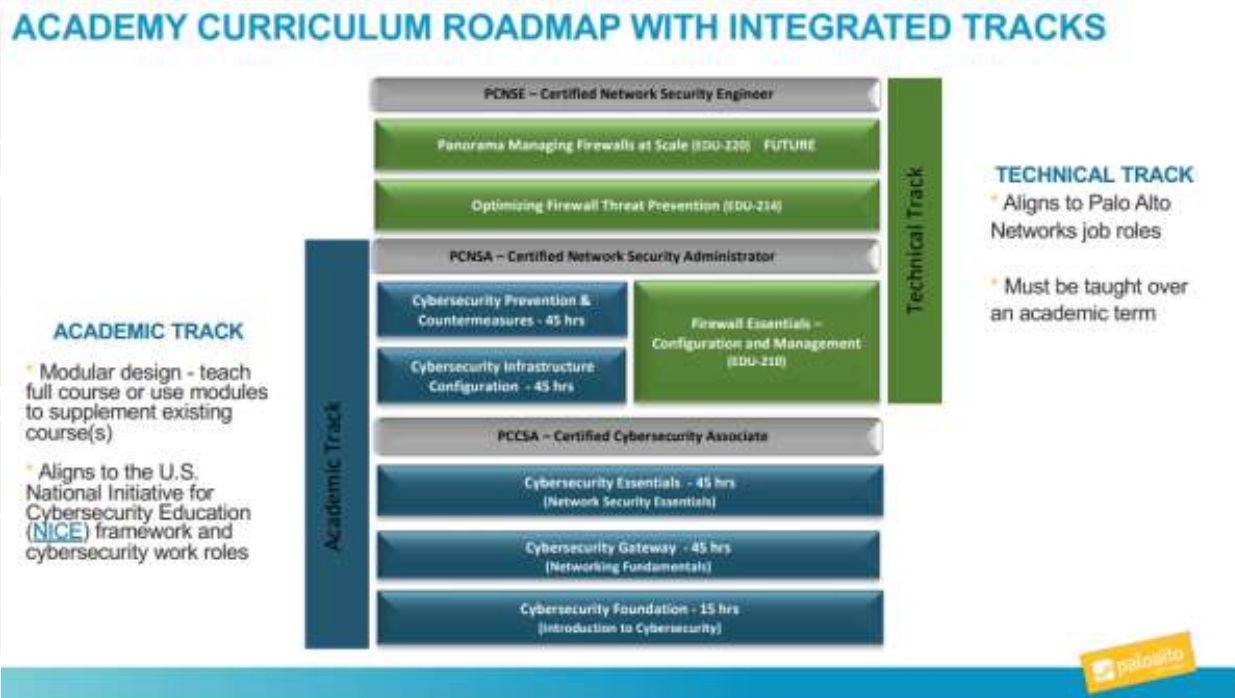
Saturday, January 8, 2022

Date

A handwritten signature in black ink, appearing to read "Sanjiv Varma", written over a horizontal line.

Sanjiv Varma
Vice President, Juniper University Education Services

PALO ALTO NETWORKS CYBERSECURITY ACADEMY



Become Palo Alto Networks Certified Cybersecurity Associate (PCCSA) possessing knowledge of cutting-edge technology available today to manage the cyber threats of tomorrow. Academy curriculum is aligned with the U.S. National Initiative for Cyber Security Education

Course name

Course Completion Statistics

• Cybersecurity Foundation	8
• Network Security	8
• Cloud Security	8
• Security Operations Fundamentals	8
• Cybersecurity Virtual Internship Program (I Half of A.Y. 21-22)	34
• CYBERSECURITY VIRTUAL INTERNSHIP PROGRAM (II Half of A.Y. 21-22)	69

PALO ALTO NETWORKS CYBERSECURITY ACADEMY



Palo Alto Networks Certified Cybersecurity Entry-level Technician

THIS CERTIFICATE OF ACKNOWLEDGEMENT CONFIRMS THAT

Akshay Bura

has successfully demonstrated the knowledge and skills to be recognized as a Palo Alto Networks® Certified Cybersecurity Entry-level Technician.

Prameet Chhabra
Prameet Chhabra
Head of Global Enablement

March 28, 2022

Certification Date
Expires: March 28, 2024
Certificate Code: PCCET
Verification #: ELB27NRKSMR13NSC
<https://www.certmetrics.com/PaloAltoNetworks/public/verification.aspx>



VIRTUSA ACADEMIC ALLIANCE

Virtusa Academic Alliance enhances learning experience in Full Stack Development which aims to hone, engage and incubate talent to bridge the Academia-Industry requirements. This COE also helps our students to be industry ready while still being at the campus with the benefit of industry certifications paving their way to success

virtusa

CERTIFICATE OF

Star Performer

PRESENTED TO

Shafaque Fatma Syed

from **A. P. Shah Institute of Technology** for completing
the Virtusa Graduate Talent Program under Top 3 on Full
Stack Engineering held during July and August 2021



Murali Padmanabhan
Senior Vice President (Level I)

virtusa



CERTIFICATE OF

Participation

PRESENTED TO

Yaminee Patil

from **A. P. Shah Institute of Technology** for completing
the Train the trainer program on Full Stack Engineering held
during July and August 2021



Murali Padmanabhan
Senior Vice President (Level I)

virtusa





ACADEMIC
INITIATIVES

NPTEL Achievements of A.Y. 2021-22



National Programme on Technology Enhanced Learning (NPTEL) is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science for creating course contents in engineering. Students and faculty undergo courses designed by IITians and obtain certification in various domains of engineering. APSIT recognized as an ACTIVE Local Chapter for both the sessions of AY 2021-22. APSIT reimburse the full NPTEL Certification Exam fees to faculties & Students who have completed NPTEL Certification Successfully.



Massive Open Online Courses (MOOC) is essentially an asynchronous platform and process for teaching through pre-recorded lectures, resource video materials, lecture notes, assignments and quizzes, which are usually online and provide self-assessment at regular intervals during learning. The enrollment and learning from these courses involves no cost. Following these online courses, an in-person, proctored certification exam will be conducted and a certificate is provided through the participating institutions and industry, when applicable. This has helped a lot in taking the subject knowledge to a next level.

-Ekta Gujar, TE-IT

NPTEL Achievements

Student Achievements 2021-22

Jainam Chopra

Course

Fundamentals Artificial
Intelligence

Outcomes/Score

Elite+Silver/75




Ekta Gujar

Course

Design and analysis of algorithms

Outcomes/Score

Elite/62



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
JAINAM CHOPRA
for successfully completing the course



Fundamentals of Artificial Intelligence

with a consolidated score of **75** %


Online Assignments	21.03/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **576**


Jul-Oct 2021
(12 week course)

Hemant B Kaushik
Prof. Hemant B Kaushik
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL21GE20S14020631

To validate and check scores: <https://npTEL.ac.in/noc>

NPTEL Achievements

Faculty Achievements I Half of AY 2021-22

Accreditation and Outcome based Learning-Online

Faculty Name

Outcomes / Score

Prof. Apeksha Mohite

Elite/ 60

Prof. Anagha Aher

Elite/ 66

Ms. Shweta Mahajan

Elite/ 60

Prof. Vishal Badgujar

Elite/ 61

Prof. Sonal Jain

Elite/ 67

Prof. Vidya Shet

Elite/ 66



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
SHWETA MAHAJAN
 for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of **60** %

Online Assignments	20.75/25	Proctored Exam	38.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **672**



Prof. G P Raja Sekhar
Dean, Continuing Education
 IIT Kharagpur

Jul-Sep 2021
(8 week course)



Prof. Debjani Chakraborty
Coordinator, NPTEL
 IIT Kharagpur



Indian Institute of Technology Kharagpur



swayam

Roll No: NPTEL21GE22523941845

To validate and check scores: <https://npTEL.ac.in/noc>

NPTEL Achievements

Faculty Achievements II Half of AY 2021-22

Prof. Apeksha Mohite

Course

Ethical Hacking

Outcomes / Score

Elite/60

Prof. Rajashri Chaudhari

Course

Compiler Design

Outcomes / Score

Elite/72

Prof. Jayshree Jha

Course

Machine Learning, ML

Outcomes / Score

Elite/70

Prof. Sonal Balpande

Course

Blockchain and its
Applications

Outcomes / Score

Successfully completed/51

IIT Bombay Spoken Tutorial



APSIT is a recognized Super Resource Center of IIT Bombay for Spoken Tutorial program under the MHRD, Govt. of India. Spoken Tutorial is a Training and certification program for all types of open-source programming languages, tools, and technologies for all branches of engineering.

Course completion statistics A.Y. 2021-22

Year of study	Course	Course Completion Statistics
SE IT	Linux	104
	Java	86
TE IT	Python	58
	Drupal	46
BE IT	R Programming	52
	Latex	45



IIT Bombay Spoken Tutorial

Java



Toppers:

1. HITESH SACHDEV	85.0%
2. CHIRAG PADYAL	82.5%
3. YASHAB MAHIMI	77.5%
4. DEVANSHU MAHAPATRA	75.0%
5. ARYAN SANKHOLKAR	72.5%

No. of students completed Certifications: 86



IIT Bombay Spoken Tutorial

Python



Toppers:

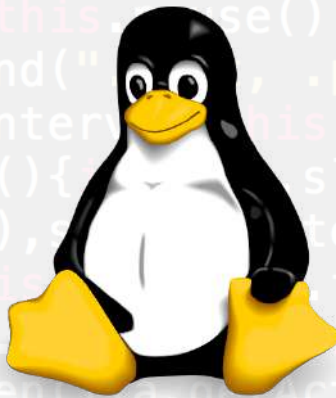
1. KUSHAL TODI	95%
2. SHRIDHAR JOSHI	80%
3. NIRANJAN RAM	75%
4. SIDDHESH PURANIK	74%
5. RUCHITA RAUT	71.4%

No. of students completed Certifications: 58



IIT Bombay Spoken Tutorial

Linux



Toppers:

1. DEVANSHU MAHAPATRA	86.6%
2. SUBHASHISH MAHAPATRA	86.7%
3. JEMIN BHANUSHALI	83.3%
4. AVINASH ANDHALE	83.3%
5. VINAYAK SOMVANSHI	82.3%

No. of students completed Certifications: 104



IIT Bombay Spoken Tutorial

LaTeX

LATEX

Toppers:

1. SUMEET SWAIN	86.6%
2. JASH SETH	78.3%
3. NIKHIL RATHOD	75.6%
4. KUNAL SANT	75.6%
5. AKSHATA GAWAS	74.4%

No. of students completed Certifications: 45



IIT Bombay Spoken Tutorial

Drupal



Toppers:

1. SHUBHANGI TRIPATHI	71.9%
2. ANVIT MIRJURKAR	68.8%
3. KUSHAL TODI	68.8%
4. EKTA GUJAR	62.5%
5. ATHARV JOSHI	59.4%

No. of students completed Certifications: 46



IIT Bombay Spoken Tutorial

R Programming



Toppers:

1. CHIRAG JAIN	85.0%
2. SAMYAK DOSHI	82.5%
3. JAINAM CHOPRA	77.5%
4. JASH SETH	75.0%
5. RAJAN KHADE	72.5%

No. of students completed Certifications: 52

APTITUDE TRAINING

Training Program



Our college not only believes in quantity but also in quality of education that should be delivered in all best possible ways to their students which will be beneficial in their upcoming carrier. To do so our college has also started aptitude training sessions right from third year itself.

Also to maintain consistency of this activity our college took an initiative of conducting online tests for aptitude session on a regular basis for at least once in a week. By doing so our college ensures that they never fail to prove that they never let their students down in any field and help their students in all possible ways so that they can reach certain height in their life.



"Aptitude coaching conducted in the college showcases the student-centered nature of APSIT. The Aptitude training sessions have put the students in a better position to face the campus recruitment drives while the Gate coaching has enabled them to polish their knowledge of subjects and widen their conceptual understanding."

-Siddhesh Gaikwad, BE-IT

APTITUDE TRAINING

Training Program

Sr. No.	Academic Year	Semester	Mode of Conduction	Student Count	No. of Days
1	2021-2022	VII	Online	61	13
2	2021-2022	VI	Online	61	5

A collection of hand-drawn business icons in various colors (yellow, green, blue, red, orange) scattered around the central cloud. The icons include a lightbulb, a network diagram, a bar chart, an open book, a pie chart, a target, a calculator, a dollar sign in a circle, a person icon, a cloud, and several arrows.

INTERNSHIP

INTERNSHIPS

Internship Details of A.Y. 2021-22

Parvi Agrawal

Kaar

November 08, 2021 - May 07, 2022



virtusa

Pratik Gholap

Virtusa

December 27, 2021 - March 31, 2022

Aditya Shinde

Ernst & Young LLP.

February 28, 2022 - June 30, 2022



Internship Details of A.Y. 2021-22

Saloni Rane

Larsen & Toubro Infotech Ltd

December 13, 2021 to January 13, 2022.



L&T Infotech

Prachi Manera



CSS Corp Private Limited

January 04, 2022 - March 31, 2022

Apoorva Gadkari

Ernst & Young LLP.

February 28, 2022 - June 30, 2022



**Building a better
working world**





AICTE Virtual Internship Program

Completion Statistics (I Half A.Y. 2021-2022)

Domain Name	Completions	Academy	Instructor
AI-ML And Data Analytics	58	AWS 	Prof. Nahid Shaikh Prof. Yaminee Patil Prof. Vishal Badgujar
Cybersecurity	34	Palo Alto 	Prof. Pavin Adivarekar
Linux Automation	25	Red Hat Academy 	Prof. Neha Deshmukh

AICTE Virtual Internship Program

Completion Statistics (II Half A.Y. 2021-2022)

Domain Name	Completions	Academy	Instructor
AI - ML	76	AWS Academy 	Prof. Nahid Shaikh
CLOUD	12	AWS Academy 	Prof. Nahid Shaikh
CYBERSECURITY	187	Palo Alto Cybersecurity Academy 	Prof. Manjusha Kashilkar
DATA ANALYTICS	15	AWS Academy 	Prof. Yaminee Patil Prof. Vishal Badgujar
LINUX AUTOMATION	87	Red Hat Academy 	Prof. Neha Deshmukh



WORKSHOPS & TRAININGS

CLOUD COMPUTING

Short Term Training Program

PARSHVANTH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
(All Branches NBA Accredited)

5 Days Online Short Term Training Program on "Essentials of Cloud Computing"
20th to 24th Dec, 2021

Resource Persons

- Prof. Vikash S. Badgkar
Certified Instructor, Red Hat Academy, APSIT Thane.
- Prof. Yashwanth Reddy
Instructor Red Hat Academy, APSIT Thane.
- Prof. Amol Kalugade
Subject Matter Expert, APSIT Thane.
- Prof. Sonia Anesh
Certified Instructor, AWS Academy, Cisco Networking Academy, APSIT Thane.
- Prof. Mahid Sheikh
Certified Instructor, AWS Academy, APSIT Thane.

COURSE CONTENTS

- Cloud Concepts Overview
- Cloud Economics and Billing
- AWS Global Infrastructure Overview
- AWS Cloud Security
- Networking and Content Delivery
- Compute services overview
- Overview of storages services
- AWS database services
- AWS Well-Architected Framework and its purpose
- Automatic Scaling and Monitoring

TIMING : Session 1: 11 AM to 1 PM
Session 2: 2 PM to 4 PM

REGISTRATION LINK <https://forms.gle/dvCuciRLm7cyHYH8>

CO-ORDINATOR Prof. Kiran Deshpande
91584 52105

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DEPARTMENT OF INFORMATION TECHNOLOGY & DEPARTMENT OF COMPUTER ENGINEERING
APSIT THANE

STTP was intended for students who want to seek an overall understanding of cloud computing concepts, independent of specific technical roles. STTP provided a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

STTP conducted has delivered hands-on learning experiences that prepare student for industry-recognized certifications and in-demand cloud jobs. AWS Academy curriculum is used to delivered during STTP.

HANDS ON SESSION: ETHICAL HACKING

Training Session By the Students For the Students



The session was focusing at explaining ethical hacking concepts and various ethical hacking tools and techniques. Demonstration of Kali Linux was done using FTP and Virtual Box, for generating its password with John the Ripper tool. The session highlighted the five stages of ethical hacking namely - Reconnaissance, Scanning, Gain Access, Maintain Access and Cover Tracks. Further the session covered commands related to penetration testing of the system using Metasploit. The session discussed Spawn shell - PTY (Pseudo terminal) of python using bash to decrypt the required password and ending the session with clearing tracks from sys_log and curl_log files in Linux.



Department strives hard to keep Students well versed with recent trends in IT. With a motive of collaborative learning department has arranged various training sessions by the students for the students during A. Y. 2021-22 which indeed helped students in gaining in depth knowledge.

Prof. Apeksha Mohite, ITSA Incharge

TECHNO BOOTCAMP

By the Students For the Students

TECHNO BOOTCAMP

ETHICAL HACKING

Thursday, 24th Feb
Time: 5:00pm to 6:00pm

Topics to be covered:

- Introduction to Ethical Hacking
- Ethical Hacking Phases
- OWASP top 10 vulnerabilities
- Practical Demonstration


CHINMAY DHARAP
BE IT

Registration Link:-
<https://bit.ly/TechnoBootCamp>



TECHNO BOOTCAMP

FRONTEND DEVELOPMENT

Monday, 21st Feb
Time: 6:00pm to 7:30pm

Topics to be covered:

- HTML
- CSS
- BOOTSTRAP


NEEL DHUDELIYA
TE IT

Registration Link:-
<https://bit.ly/TechnoBootCamp>



TECHNO BOOTCAMP

BACKEND DEVELOPMENT

Tuesday, 22nd Feb
Time: 5:00pm to 6:00pm

Topics to be covered:

- PHP programming
- Mysql Database
- Connecting Frontend
- Connecting Backend


ANAND MORYE
TE IT

Registration Link:-
<https://bit.ly/TechnoBootCamp>





PARSHAVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology
In association with
Computer Society of India
presents

TECHNO BOOTCAMP



Registration Link:
<https://bit.ly/TechnoBootCamp>

Date: 21 FEB - 25 FEB 2022

TECHNO BOOTCAMP

JAVASCRIPT

Wednesday, 23rd Feb
Time: 6:00pm to 7:30pm

Topics to be covered:

- ES 6
- Vanilla JavaScript
- DOM Manipulation
- Behaviour and Structural manipulation


NEEL DHUDELIYA
TE IT

Registration Link:-
<https://bit.ly/TechnoBootCamp>



TECHNO BOOTCAMP

MICROPROCESSORS

Friday, 25th Feb
Time: 5:00pm to 6:00pm

Topics to be covered:

- What are microprocessors
- Architecture of microprocessor
- Assembly level programming


OM BHEDA
BE IT

Registration Link:-
<https://bit.ly/TechnoBootCamp>



To enable student into trending domains in current IT landscape ITSA has organized various technical events and activities during A.Y. 2021-22



IT WEEK



By the Students For the Students

IT WEEK

Unity Game Development



Topics to be covered:
Basics of Unity

Soham Dhuri
BE IT

22nd April
4:25 pm to 5:25 pm

Registration link:
[ps://bit.ly/itweeksession](https://bit.ly/itweeksession)



IT WEEK

Blender



Topics to be covered:
Basics of Blender

Om Bheda
BE IT

20th April
4:25 pm to 5:25 pm

Registration link:
[ps://bit.ly/itweeksession](https://bit.ly/itweeksession)



IT WEEK

CMS Web Application



Topics to be covered:
HTML, BOOTSTRAP, PHP

Anand Morye
TE IT

18th April
4:25 pm to 5:25 pm

Registration link:
<https://bit.ly/itweeksession>



Department of Information Technology presents

IT WEEK

18 - 23 April

itsa_apsit



IT WEEK

Designing



Topics to be covered:
Photoshop Basics, Poster Design,
Digital Art

Tanmay Doshi
TE IT

19th April
4:25 pm to 5:25 pm

Registration link:
[ps://bit.ly/itweeksession](https://bit.ly/itweeksession)



IT Day

23rd April

11:00 >> Code Auction bit.ly/codeauction
12:10 >> Debugging
1:40 >> Technical Quiz bit.ly/itdayevents
2:25 >> Scattegrories
2:25 >> Best Technical Article
Full day >> Valorant bit.ly/valork2a
Full day >> Treasure Hunt bit.ly/itday_treasurehunt





By the Students For the Students

Events Conducted during IT Week

Sr No	Expert Talk	Date
1	Webinar on "CMS Web Application".	18-04-2022
2	Webinar on "Digital Designing"	19-04-2022
3	Webinar on "Basics of Blender"	20-04-2022
4	Webinar on Unity Game Development	22-04-2022

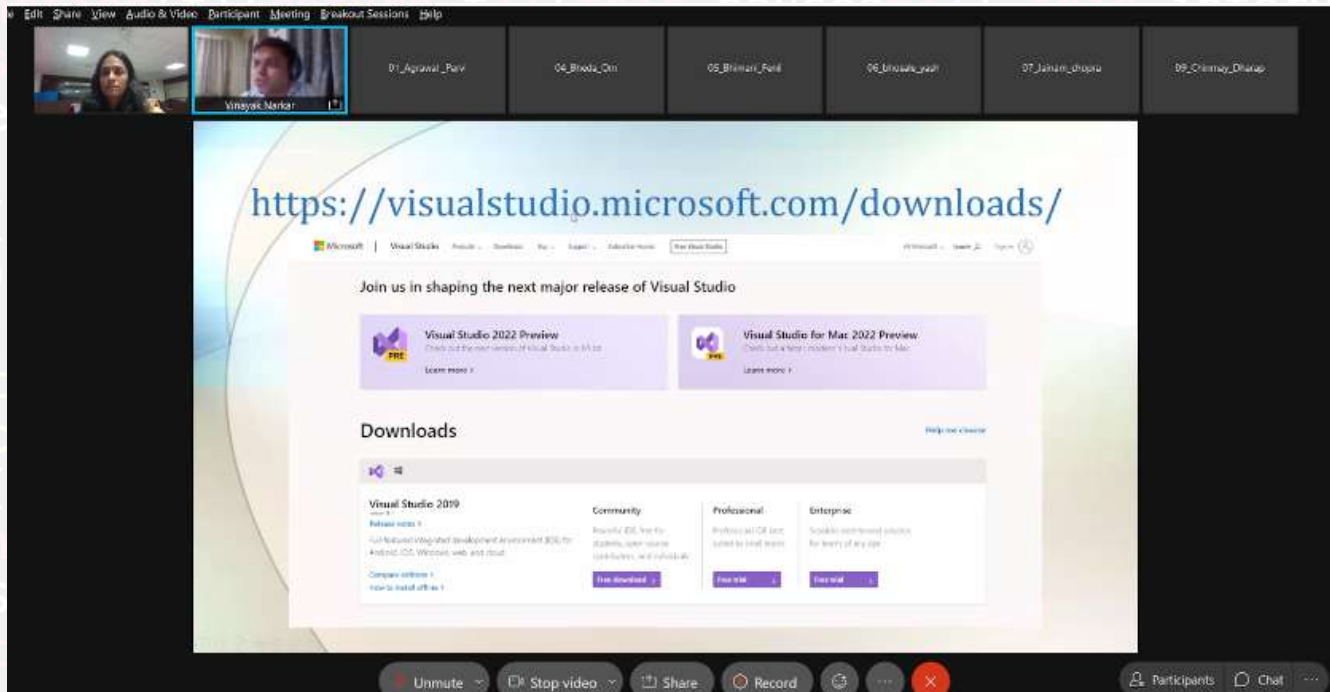


EVENTS



EXPERT TALKS

Cross Platform Mobile Application Development Using Xamarin



This webinar aimed of motivating students and inculcating the basic skills of Xamarin Technology to develop cross platform applications. Webinar was focused on basic guidelines to be followed for developing a basic application using Xamarin. This also helped final year students to create cross platform applications for their project work.



EVENTS CONDUCTED DURING A.Y 2021-22



Sr No.	Activity	Expert Talk Date
1	Webinar on How To Write Research Paper	13-07-2021
2	Roadmap for BE Major Project Selection	20-07-2021
3	Webinar on Linux Automation with Ansible.	13-08-2021
4	Cyber Safety Awareness	24-08-2021
5	My Story-Motivational Session by Successful Entrepreneur	26-08-2021
6	Awareness/Mentoring Session on Intellectual Property Rights and IP Mangement	31-08-2021
7	App development using Flutter	12-09-2021
8	Significance of Internship for Engineering students	18-09-2021
9	Impact Lecture Session On how to develop innovative ideas for companies	11-10-2021
10	Use of GitHub in Collaborative Project Developement	13-10-2021
11	Road Map to Masters in Abroad	23-10-2021
12	Career Opportunities in Cyber Security	28-10-2021
13	Problem Solving and Ideation-Motivational Session By Successful Innovators	29-10-2021
14	RHEL system admin Courses, Certifications and Career Opportunities	12-11-2021
15	RedHat Openstack Administration	16-12-2021
16	STTP on Esesntial of Cloud computing	20-12-2021- 24-12-2021
17	Awareness of Intellectual Property Rights(IPRs) and IP Management for Start up	04-02-2022
18	RoadMap to Masters Abroad	12-02-2022
19	Developing Innovative Engineering Projects for Societal Needs	18-02-2022
20	Hacksript 3.O-Internal Hackathon for SIH-2022	21-03-2022
21	Ethical Hacking Tools & Technologies	11-04-2022
22	Code-athon 3.0	17-04-2022
23	Webinar on "CMS Web Application".	18-04-2022
24	Webinar on "Digital Designing"	19-04-2022
25	Webinar on "Basics of Blender"	20-04-2022
26	Unity Game Development	22-04-2022
27	Architecting Cybersecurity with Next-Gen Firewall	22-04-2022
28	Opportunities of Online Learning through Swayam NPTEL & IITB Spoken Tuitorial	29-04-2022
29	Importance of Cyber Security in Digital World	07-06-2022

WEBINAR ON ROADMAP TO MASTERS ABROAD

By the Students For the Students

The poster is for a live webinar titled "ROADMAP TO MASTERS ABROAD". It features a circular portrait of Rutwik Gaikwad, an APSIT Alumni, who is pursuing an MS in Cybersecurity at the National College of Ireland. The poster lists four topics the webinar will cover: Profile building for the Masters, University/Location Selection, Financial Planning, and Application Process. It specifies the date and time as 23 OCT 2021, 6PM - 7PM IST, and includes a "REGISTER NOW!" button with a registration link: <https://bit.ly/3aVTgOV>. At the bottom, there are logos for the Department of Information Technology, the University Society of India, and the APSIT logo.

LIVE WEBINAR

ROADMAP TO MASTERS ABROAD

RUTWIK GAIKWAD
APSIT Alumni
Pursuing MS in Cybersecurity
(National College of Ireland)

Webinar will cover:

- Profile building for the Masters
- University/Location Selection
- Financial Planning
- Application Process

23 OCT 2021 | 6PM - 7PM IST

REGISTER NOW!

Registration Link:-
<https://bit.ly/3aVTgOV>

Studying abroad is a crucial decision as there are many questions like selecting the best country and university for the right career decision. To help students with this, the Department of Information Technology organized a webinar, "Roadmap to Masters Abroad" on 23rd October 2021. Mr. Rutwik Gaikwad (APSIT Alumni) currently studying at the National College of Ireland was the guest of honor. The talk aimed to guide students about how to select the universities and the process of entrance exams. Selection of the university and course is very important as it decides your career right after you complete your post graduation. During the webinar, Mr. Rutwik mentioned the benefits of studying in Ireland and his experience of selecting the course and country. Further in the discussion, he shared the complete process starting from test preparation, country, university, course selection, and other like financial planning, and visa processing. Mr. Rutwik shared tips and tricks for profile building which is necessary for securing admission.

The session was overall informative and motivational for 50 students of TE IT and BEIT. Proceeding towards the end, Mr. Rutwik also discussed Part-time jobs, the internship process, and hostel accommodation. Also, he shared his experience of staying abroad and studying and working on various projects.

COMPUTER SOCIETY OF INDIA

CODE-ATHON 3.0

The competition aims at developing the coding skills of the students. The objective of the contest was to encourage students to explore their technical knowledge. The codeathon was an individual event comprising of three levels - easy, medium, difficult. This competition motivated students towards brushing up their programming skills. The event was held online on Hackerrank platform. Amazon vouchers were distributed to codeathon winners.



PARSHVANATH CHARITABLE TRUST'S
A. P. Shah Institute of Technology



Department of Information Technology
in association with
Computer Society of India
presents



Code-athon

3.0

Annual Coding Competition

17 April 2022

Register Now
bit.ly/codeathon2k22

Queries
Anand Morye: 8425901561
Akansha Rawat: 7021947771



COMPUTER SOCIETY OF INDIA



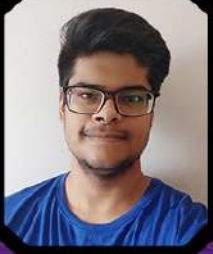
CODE-ATHON 3.0

CODE-ATHON 3.0 Winners

PARSHVANATH CHARITABLE TRUST'S
A. P. Shah Institute of Technology
Department of Information Technology
in association with
Computer Society of India
presents

Code-athon 3.0

WINNERS

Rank II	Rank I	Rank III
		
Devanshu Mahapatra, SE IT	Kshitiz Jain, TE COMP	Yash Sampat, BE COMP

COMPUTER SOCIETY OF INDIA

HackScript3.0

Internal Hackathon for SIH-2022



On March 21, 2022, the Department of Computer Engineering & Information Technology hosted its third internal Hackathon, HackScript3.0, to give a venue for students to demonstrate their technological ideas and abilities. It is a Smart India Hackathon-2022 internal hackathon (SIH-2022). The event provided students with an opportunity to work in groups and demonstrate their problem-solving and analytical abilities. This event was available to all APSIT departments. During the HackScript 3.0 event, aspirant teams from all departments participated and came up with outstanding ideas.



PLACEMENTS

OUR RECRUITERS



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
Our Recruiters



Training & Placement Cell

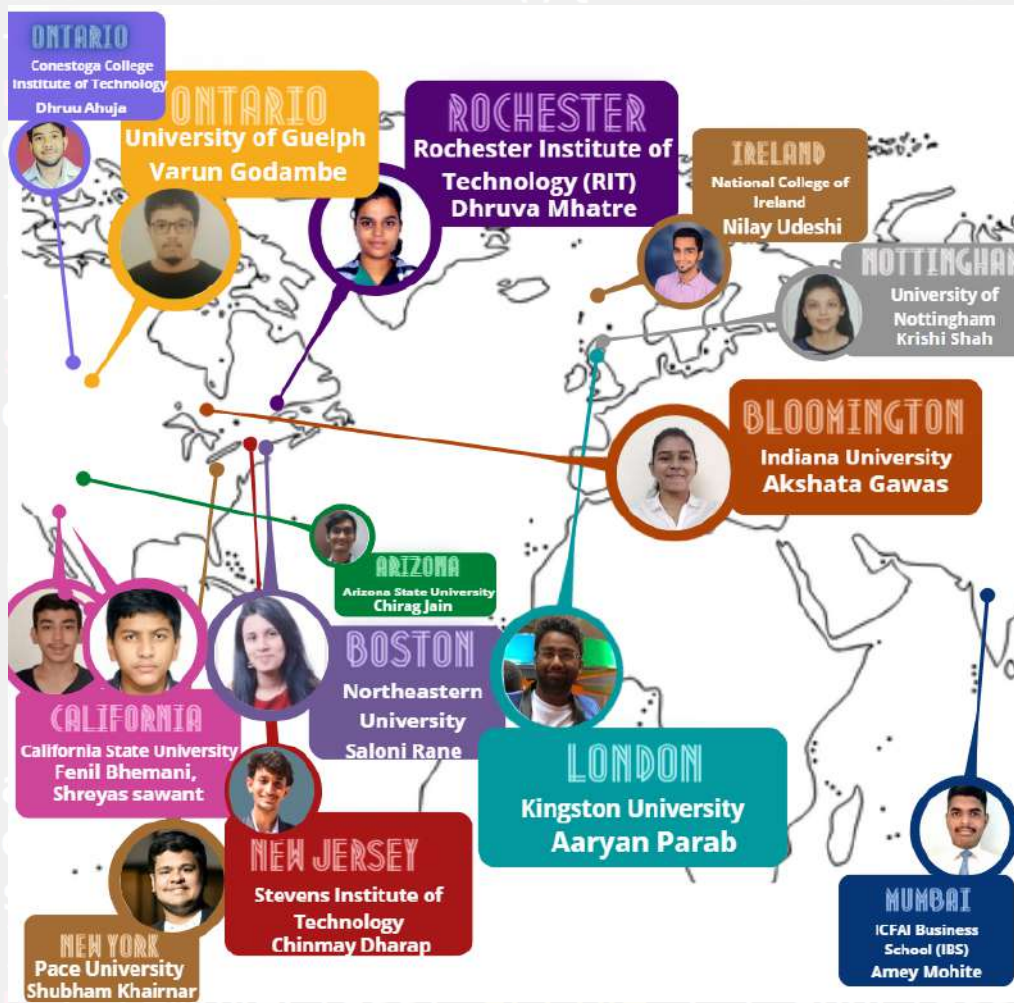
43 Students were placed during AY 2021-22.



To help students in getting the best industry opportunities our training & placement cell provides various training programs & placement opportunities. We strive hard for overall development of students. Our students got placed in top-notch IT core companies during Academic Year 2021-22.

- Prof. Nahid Shaikh, TP Coordinator.

STUDENTS PURSUING HIGHER STUDIES AT ABROAD FROM BATCH OF 2021



16 Students got admission in reputed Foreign University during AY 2021-22.



To help students in getting admission in reputed foreign Universities. Our training and placement cell provides GRE coaching classes free of cost. We strive hard over all development of students, as a result 16 students got admission in well known foreign Universities during A. Y. 2021-22

- Prof. Nahid Shaikh, T&P Coordinator.

A close-up photograph of a person's hand holding a black pen, poised to write on a notebook. The notebook is open to a page that features a calendar layout with numbers 9 through 18. The person is wearing a grey and white checkered shirt. A blue rectangular box is overlaid on the upper right portion of the image, containing the word 'ARTICLES' in white, bold, serif capital letters.

ARTICLES



BeSafe: IoT-Based Safety Band

Ganesh Jambhuka, BE IT

Women nowadays do not feel safe inside or outside their homes. The crime rate is high, and accidents happen on every other route for various reasons. This article presents an idea of a safety band to help women and victims in critical situations. Given the circumstances, we can devise a method for a woman to obtain administrative assistance on time. The Bluetooth module will help to connect hardware with software. The band can be used for hardware and a mobile software application. It will be helpful for women who have been sexually harassed, as well as victims of accidents or other crises, by tracking and communicating their real-time location, to the family and the police via Short Message Service (SMS) using the Global System for Mobile Communications (GSM) module and Global Positioning System (GPS) module while the victim is in the process of being tracked. It helps them to remember the coordinates of where they pressed the push button. All data will be stored on Firebase and analyzed before reporting to law enforcement and government agencies. Based on the investigation's findings, the police may take further actions to help the victims.

To read full article refer following citation link:

https://link.springer.com/chapter/10.1007/978-981-19-3311-0_3



3D Storyline Using Unity Game Engine

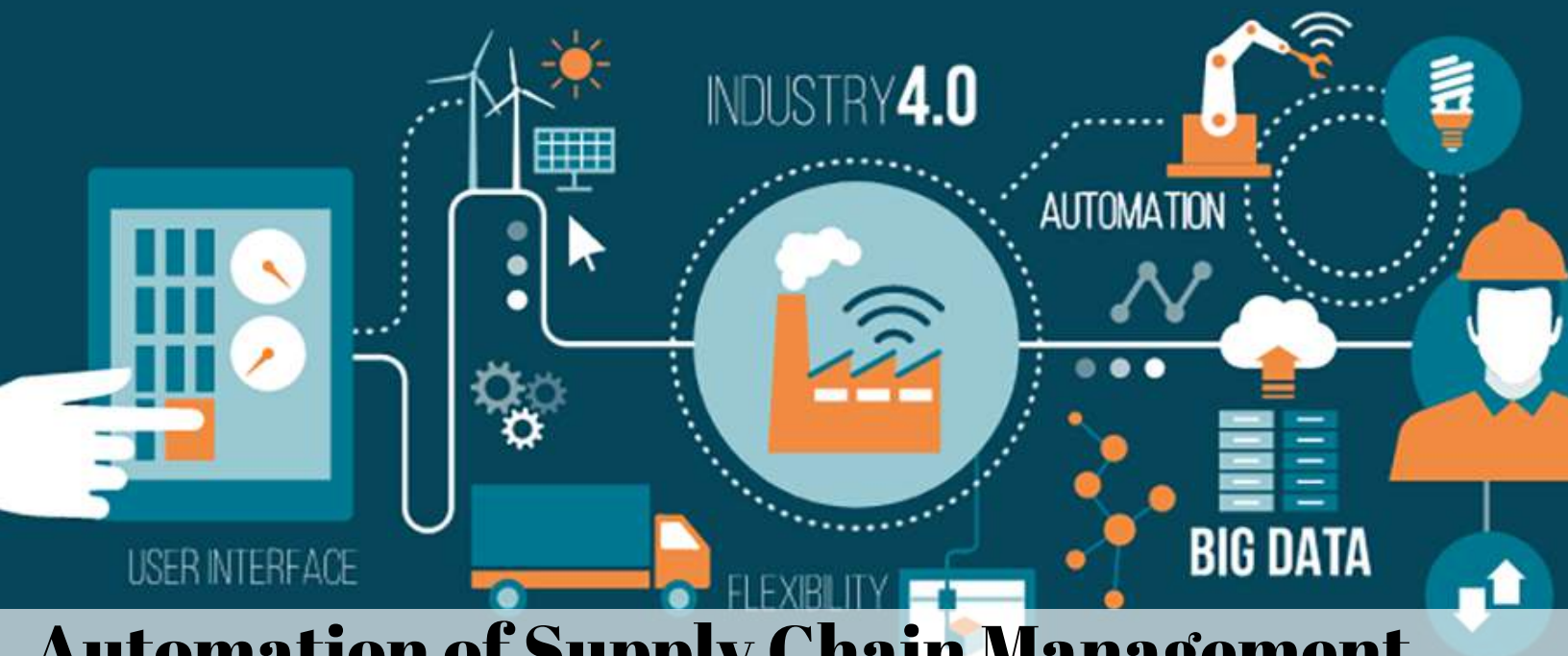
Aaryan Parab, BEI T

Within the modern technological era, there is a growing desire for video games with compelling narratives and story lines. The popularity of e-sports has grown, and many players have found success in streaming and tournaments. With an upsurge in expansive user base, the gaming industry is taking off in wonderfulness, drawing in major innovation powerhouses to compete within the commercial center. According to the study, video games are played or have been played by more than 90 percent of children. If used correctly, it has the potential to be an extremely powerful method of disseminating information. This motivates to portray Pique children's and teenagers' interest in Indian culture through a video game. We developed a Mahabharata-themed video game that will pique the gamer's interest in the epic story. It's a fun game designed for operating systems like Windows. A player can learn about Indian mythology and respond to the game's difficulties while playing the shooter game. Unity3D software is essential for creating unique and entertaining games, as well as creating responsive video games and providing a more visual world. A Computer program like Unity3D employs inventive approaches to game advancement.

The Unity engine provides a comprehensive solution with interactive media installation features. It serves an important purpose in game development. Unity3D makes use of OpenGL to render 3D graphics. Blender is a 3D rendering and animation program widely used by professional artists to create animations, visual effects, 3D prints, interactive 3D applications, etc. Although the Unity Engine and frameworks play an important role in the development process, they are not the only factors. Game creation frameworks include graphical user interfaces (GUIs) such as a level editor, script editor, sound editor, and material editor that aid in the separation of functions. Blender allows users to create flexible models by providing 3D modeling, texturing, graphics editing, animating, match moving, rendering, motion graphics, video editing, and compositing. During the development of this game, Unity3D used for the interactive game interface, while Blender software was used to create 3D characters.

To read full article refer following citation link:

<https://ieeexplore.ieee.org/document/9848260>



Automation of Supply Chain Management for Healthcare

Hitarth Saiya, BE IT

Nowadays, the need for systematic deliverance of the healthcare sector is much sought-after. Such, that a simple delay in restocking of certain medicines or supplies could create unrest among the mass, and result in the loss of healthcare facilities for many. Robotic Process Automation (RPA) is a software technology that can create, deploy, and manage bots that emulate certain human actions interacting with digital systems and software. Robotic Process Automation is one of the technologies that can be used to carry out the smooth sailing of the supply chain process. This article describes how RPA technology can be used to emulate the various processes in supply chain management for a healthcare entity, such as checking inventory, reading and comparing vendor quotations, and finalizing a supply vendor.

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