INDUSTRY SPONSORED LABS AND CENTERS OF EXCELLENCE

IBM OpenPOWER

Networking Academy

VERTICA

QUEST BORN TO ENGINEER

vmware

SAP next-gen Lab

Schneider Electric

Capgemini

NEW HORIZON COLLEGE OF ENGINEERING

Golden Jubilee 50 YEARS OF EXCELLENCE IN EDUCATION

Assocham-2020

EXCELLENCE IN PROVIDING PREFERRED ENVIRONMENT FOR CAMPUS PLACEMENT

B-SCHOOL PROVIDING PREFERRED ENVIRONMENT FOR CAMPUS PLACEMENT

The Hon'ble Minister of State for Skill Development & Entrepreneurship, Govt.of India, Mr. Mahendra Nath Pandey Presenting the award during 13th Higher Education, Skill and Livelihood conclave held on 25th & 26th February 2020 at New Delhi

RANKED #114
AMONG TOP 200
ENGINEERING
COLLEGES IN INDIA

RECOGNIZED AMONG TOP 6 UNIVERSITY ENGINEERING CATEGORY IN BANGALORE | RECOGNIZED AMONG TOP 10 UNIVERSITY ENGINEERING CATEGORY IN KARNATAKA

nirf AS PER 2020 NATIONAL INSTITUTIONAL RANKING FRAMEWORK

ABOUT

The purpose of the Industry-Institute Collaboration Cell (IIIC) is to ensure a paradigm shift in the thought process of the students of New Horizon from Job to Career, leading them towards the identification of a SMART CAREER GOAL.

Taking a step further, IIIC strives to establish connections between eminent faculty members and the relevant industries to join hands and work towards mutually beneficial cause /projects. The aim of IIIC is to work towards making New Horizon College of Engineering, a respectable and most sort after Engineering college which provides the best amalgamation of Innovation, entrepreneurship development, skill up-gradation, passion and aptitude along with sound theoretical subject knowledge which in turn makes the students' industry ready and innovators of tomorrow and take them to the pinnacle of success. Also, it ensures that our elite faculty members are amongst the most sought after teaching fraternity.

INTERNATIONAL COLLABORATION

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Awarded

- MOST PREFERRED INSTITUTE FOR PROVIDING GLOBAL EXPOSURE — ASSOCHAM 2020
- EXCELLENCE IN PROVIDING PREFERRED ENVIRONMENT FOR CAMPUS PLACEMENT — ASSOCHAM 2020
- B-SCHOOL PROVIDING PREFERRED ENVIRONMENT FOR CAMPUS PLACEMENT — ASSOCHAM 2020

All students of mechanical engineering will be learning product life cycle management as a Professional elective.

VISION

To become one of the best Centre of Excellence by educating the students in various aspects of Product Life Cycle Management by providing improvised technologies and equip them to work with real time projects.

MISSION

To develop students and make them industry ready by imparting the current trends of technology, newer learning methods by industry and academia experts in the field of PLM.

About the Company & LAB

- Capgemini a French multinational is a global leader in consulting, digital transformation, technology and engineering services. The Group is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year+ heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. Today, it is a multicultural company of 270,000 team members in almost 50 countries.
- Digital Engineering and Manufacturing Systems (DEMS) lab is open for students to learn and cultivate the current need of industries. This is an embedded solution across all engineering disciplines.
- DEMS leads to the convergence of physical and digital wants through technology, engineering and manufacturing expertise.

Courses Offered

- Product Life Cycle Management for beginners with critical details like bill of materials, parts classification, colour coding, PLM strategies for batch and mass production systems . Digital Manufacturing – PLM:
- Digital Manufacturing, Benefits of Digital Manufacturing, Manufacturing the First-One, Ramp Up, Virtual Learning Curve, Manufacturing the Rest, Production Planning,
- Product Life Cycle Management for Professionals from First Model till the final development through ramp-up approach, PLM Concepts,
- Processes and Workflow: Characteristics of PLM, Environment Driving PLM, PLM Elements,Drivers of PLM, Conceptualization, Design,
- Development, Validation,Production, Support of PLM. Collaborative Product Development: Engineering Vaulting, Product Reuse, Smart Parts, Engineering Change Management, Bill of Materials and Process Consistency, Digital Mock-Up and Prototype Development and Design for Environment

Program Highlights

- DEMS is focused towards IoT and connected product, smart engineering and Digital manufacturing.
- Faculty & Students have great access to Technology, Course content, software's from Dassault systems (France).
- 3D Experience platform provides greater ability of software access in a single user interface.
- Students are being trained by experienced faculties and industry expertise from Capgemini.
- Trained students in PLM domain are directly recruited by companies like Capgemini every year.

Hardware setup

- Intel(R) Xeon(R) CPU E5-2630 v3, 32-Core Server Processor. 128GB DDR4 RAM. 7.2TB (4 RAID 1 arrays - each array has 1.8TB of disk space)
- 35 High end systems with 7th Generation processors.
- Digital Board.
- Latest version of ENOVIA from Dassault System software is available with CATIA V5 R 26.
- Laboratory is also equipped with Latest teaching – Learning online tools.

Best Practices

- MOOC on various PLM courses are encouraged.
- A self-study on PLCM is carried out as a part of the curriculum.
- Students perform analysis on real data using TATA Automotive case studies for their self-study project work.
- All assignments, internal and Semester End examination are conducted as lab experiments.
- Faculty members also undergo various certification courses on PLM as well as courses from Integration of PLM with Digital Manufacturing.
- Exclusive sessional talks and workshops are conducted on PLM and Digital Systems by experts from Capgemini.

Networking Academy

Students from ISE, CSE, ECE, EEE, ME, CIVIL, AU branches have chosen Cisco Netacad related courses.

VISION

To inculcate networking skills to meet the current and future needs of the Information Technology (IT) industry.

MISSION

To enrich the young minds with intellectual, technical and practical skills for serving the constantly eveluing industry.

About the Company & LAB

- Cisco Systems, Inc. is an American multinational technology conglomerate heart, quartered in San Jose, California, in the center of Silicon Valley. Cisco develops, manufactures and sells networking hardware, software, Telecommunications munications equipment and other high-technology services and products .Through its numerous acquired subsidiaries, such as OpenDNS, Webex, Jabber and Jasper, Cisco specializes into specific tech markets, such as Internet of Things (IoT), domain security and energy management.

- Cisco has awarded New Horizon College of Engineering the status of Cisco Networking Academy in recognition of all Netacad programs. Mr. George John, Senior Director-IT from Cisco along with Dr. Mohan Manghnani, Chairman-NHCE inaugurated the Cisco Networking Academy at New Horizon College of Engineering on 28th March 2018.

Courses Offered

- Routing & Switching-1 as Open Elective: The curriculum of this course is derived from CCNA Module-1, Introduction to Networks and part of CCNA Module-2, Routing & Switching Essentials
- Routing & Switching-2 as Open Elective: — It delivers content on few topics of Routing and Switching Essentials along with CCNA Module-3, Scaling Network configurations.
- Routing & Switching-3 as Open Elective: — It covers the concepts of CCNA Module-4 Connecting Networks.

Program Highlights

- Cisco Networking Academy (NETACAD) aims at providing a detailed insight into the networking concepts that are essential for rapidly growing networking Industries.
- Faculty & Students have a Cisco Netacad account where they can access the various course content, and software in addition to Cisco hardware equipments.
- Faculties of Cisco Centre of Excellence are Globally Certified CCNA Instructors. Faculties keep themselves updated with latest technologies by attending a number of Global Instructor Professional Development Programs (IPDs) and Cisco Annual Conference, both conducted by Cisco Academy Support Centre Team.

Hardware setup

- Cisco proprietary switches and routers as connecting devices in the lab.
- Three 2960 series switches and three 1941 series routers.
- For initial configuration three console cables are provided to configure LAN / WAN networks.
- One HWIC2T card for establishing serial interfaces between routers.
- Packet tracers 7.2 and 7.3 versions are loaded on 4GB RAM systems.

Best Practices

- Students Obtain CCNA Certifications from Cisco for the four modules:
    - Introduction to Networks
    - Routing & Switching Essentials
    - Scaling Networks
    - Connecting Networks

- Participation in events organised by Cisco such as Women Rock IT and Hackathons.
- Participation in Cisco Ideathon, a Internship cum Placement Program for Cisco Netacad Students.
- Students can earn other Cisco certificates by enrolling for online self learning course available in NETACAD.

Students from CSE, ISE, ECE, EEE, ME, CIVIL, AE branches have chosen Vertica related courses.

VISION

To reinvent the thought cycle of students for application based learning

MISSION

Artificial Intelligence enables creation of intelligent machines and through the establishment of COE for AI our endeavor is to create Intelligent humans

About the Company & LAB

- AI Lab plays a major role in the research and development, commercial and industrial development of emerging AI technologies. The AI Lab includes IBM and other corporate sponsors, coupled with open source technologies viz., NVIDIA, Ubuntu, Redhat, Power9 and Xilinx to accelerate results.
- There is a strong need for research and development activity in these domains:
    - Encouraging academic-industry partnerships.
    - Cross-disciplinary and collaborative research.
    - Making AI accessible to non-technical business students.
    - Enabling faculty-technologist interaction and learning.
    - Enabling startups, ISVs and industries to use the platform to innovate in ways that improve the World condition.
- The IBM OPENpower Lab at NHCE uses IBM POWER9 processor based Server and aims to meet the challenging needs of industry, academia, and society in the world of artificial intelligence (AI), machine learning (ML) and deep learning (DL)

Courses Offered

- E4S Exascale Software training
- Parallelware Analyzer High Performance Computing Training
- Python for Data Science
- Data Analysis with Python
- Machine Learning with Python
- Deep Learning with Tensor Flow
- Hybrid Cloud with Use Cases
- Big Data and Hadoop

Program Highlights

The lab serves as an excellent platform for:

- Conducting research on rapidly advancing AI technologies
- Enabling and facilitating industry-academia partnerships in research and development, and fostering relationships through collaborative projects
- Encouraging cross-disciplinary research in applied computing, in critical scientific and industrial domains, via research proposal submissions to funding agencies
- Providing a state-of-the-art R&D facility for students, faculty and collaborators
- Offering a comprehensive and meaningful computing environment for education by complementing the theoretical coursework with appropriate laboratory coursework for students, and encouraging team participation and cross-disciplinary problem solving.

Hardware setup

- IBM POWER9 CPU.
- NVIDIA® RTX 2070 GPU
- 1 TB SSD for storage
- 32GB DDR4 ECC registered memory

Best Practices

- Talent and Skills: (Remote Interns; Skills and Training) Students and Research scholars work on the advanced technologies which will enable them to work on many applications.
- Publications and Mindshare: (Press releases, Articles, and Publications; Conferences and Events). Conference Paper on software-based application research /development on a regular basis.
- Intellectual Capital: (Patents, Open source; Prototypes, Demos; Curriculum; Student projects, Theses).
- Prototype building of research problems using a software-centric approach (hardware-centric baseline implementation almost
- getting completed).
- Potential to file disclosures.
- Opportunities: (Seed revenue; Leverage other funding; Build ecosystems; Build government/client relationships). Once software-centric solutions available with comparable performance using latest technologies, your team would create prototypes which can be demonstrated to several colleges

SAP next-gen Lab

Students from ISE, CSE, ECE, EEE, ME, CIVIL, AU branches have chosen SAP related courses.

VISION

To become a centre of excellence by educating the students in various modules of SAP with real time projects

MISSION

To mould the students to become industry ready by empowering them on fundamentals of ERP and machine learning and to advance the knowledge on SAP by providing hands-on sessions for different case studies.

About the Company & LAB

- SAP SE is a European multinational software corporation that makes enterprise software to manage business operations and customer relations. The company is especially known for its ERP software. SAP is headquartered in Walldorf, Baden-Württemberg, Germany with regional offices in 180 countries.
- SAP is the market leader in enterprise application software, helping companies in each sizes and industry run at their best: 77% of the world's transaction revenue touches an SAP system. Our machine learning, Internet of Things (IoT), and advanced analytics technologies help turn customers' businesses into intelligent enterprises. Our end-to-end suite of applications and services enables our customers to operate profitably, adapt continuously, and make a difference. With a global network of customers, partners, employees, and thought leaders, SAP helps the world run better and improves people's lives.
- SAP has inaugurated centre of excellence at New Horizon College of Engineering to enhance the knowledge of students in the field of ERP on various modules like MM,S&D,PP,WM,HRM etc. and also empowers students on technologies like machine learning and artificial intelligence

Courses Offered

- SAP COE offers ERP modules as below :
  - Material management
  - Sales and distribution
  - Warehouse management
  - Production planning

- SAP COE also provides access for S/4 Hana cloud platform with ERP sim.
- It also facilitates software learning programs like python, Jupiter and R .

Program Highlights

- SAP Nextgen lab provides learning platform in various technologies like SAP-ERP so that students can build their career as a techno functional consultant.
- SAP also provides learning on most emerging technologies like machine learning and AI so that students can get exposed to trending programming knowledge like Python and R.
- SAP next-gen club associated with this lab regularly conducts hands on sessions in various technologies .

Hardware setup

- GBI Introduction to SAP using Global Bike
- The S/4HANA version 3.3.
- GBI 3.3 version does not add new functionality, it only has some 'fixes' to the 3.2 version.
- 2.ERPsim Certification
- ERPsim system provisioning subject to certified trainer to operate the games by himself/herself.
- The server is hosted in Victoria University, Australia. NHCE has access to 1000 GBI 3.3 on S/4HANA , 239ERPsim and 200 SAP HANA Licence

Best Practices

- Project based hands on sessions are a regular feature
- Regular industry visits to SAP are conducted to understand real time experience .
- MOOC — Students are encouraged to enrole for online certification programmes
- Industry expert talks on trending topics happens twice in a semester.
- Design thinking workshops happens once a year
- SAP 36 hours overnight Hackathon

QUEST

BORN TO ENGINEER

Students from CSE, ECE, EEE, ME branches have chosen for IIoT related courses.

VISION

Initiative to provide training to students in cutting-edge engineering technology streams and platforms of IIoT and bridging the technological gap between academia and industry

MISSION

To provide platform to create an ecosystem of resources for the digital needs in industrial segment and provide digital solutions from the engineering service industry and enhance their knowledge in IIoT platform through classroom and online trainings, hackathons and live projects

About the Company & LAB

- QUEST Global IT Centre of Excellence was inaugurated at New Horizon College of Engineering on 9th March 2018 by Mr. Todd Ashley, Vice President of Digital and Industrial Solutions at QUEST Global in the presence of Dr.Mohan Manghnani, Chairman, New Horizon Educational Institution and Mr.Yash Raj Singh, GM, Strategic Initiative leader for Digital Transformation.

- QUEST Global Services, a global leader in providing premium engineering solutions, has launched QUEST IIOT Centre of Excellence at New Horizon College of Engineering (NHCE), Bengaluru, to bridge the gap between industry and Academia

- The partnership of QUEST Global and NHCE will provide our students an opportunity to get one step close to the industry and enhance their employability quotient

Courses Offered

- Industrial Internet of Things — Part 1 (Front End — HTML,CSS, jQuery, Javascript etc)
- Industrial Internet of Things — Part 2 (Embedded Systems)
- Industrial Internet of Things — Part 3 (Automation with Raspberry)
- Cloud Computing

Program Highlights

- Quest Centre of Excellence will serve as a platform to create an ecosystem of resources for the digital needs in the industrial segment and provide certification in the IIoT platform

- To interact with subject matter experts in digital solutions from the engineering service industry and enhance their knowledge.

- The students will be mentored through classroom training, online training, hackathons and live projects.

- A model of Rail Management System has been set up to have a real time understanding of IIOT, IOT applications and control through console

Hardware Setup

- Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
- 1GB, 2GB or 4GB LPDDR4-3200 SDRAM (depending on model)
- 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless, Bluetooth 5.0, BLE
- 2 USB 3.0 ports; & 2 USB 2.0 ports.
- Raspberry Pi standard 40 pin GPIO header (fully backwards compatible with previous boards)
- 2 × micro-HDMI ports (up to 4kp60 supported)
- 2-lane MIPI DSI display port &2-lane MIPI CSI camera port
- 4-pole stereo audio and composite video port
- H.265 (4kp60 decode), H264 (1080p60 decode, 1080p30 encode)
- OpenGL ES 3.0 graphics
- Micro-SD card slot for loading operating system and data storage
- 5V DC via USB-C and GPIO connector (minimum 3A*)
  Power over Ethernet (PoE) enabled (requires separate PoE HAT)& Gigabit Ethernet

Best Practices

- Students are provided with internship certification programs by Quest
- Live and interactive projects mentored by Quest Global experts
- Placement opportunities for students in Quest Global
- Visit by the students to Quest Global and freedom to interact with Quest Experts on technical solutions and projects
- Visit to IoT related Technical Expos and Conferences
- On an average every semester 2 events are organized by IIoT COE as Workshops ,FDP , Expert lectures or Hackathons etc.

Schneider Electric

Courses on Industrial Automation will be offered to EEE, AU, ACE, MECH, CS, ISE and Civil Engineering students

VISION

Provide competent and industry-ready engineers to the industries in the field of Industrial and Building Automation

MISSION

- Framing Curriculum according to industry standards and using state-of-the-art industry device and software
- Giving industrial exposure in the field of Industrial & Building Automation and bringing opportunities for mutual growth
- Providing a platform for experimental learning through projects, training, hands on workshops and internships
- Opening a two way communication between institution and industry with various opportunities

About the Company & LAB

New Horizon College of Engineering has signed an MoU with Schneider Electric & French Ministry of National Education to set up Centre of Excellence with state of the art technology lab in the campus to train teachers, engineering graduates, technicians and customers of Schneider Electric. This being a tripartite agreement between The French Ministry of Higher Education, Schneider Electric and New Horizon College of Engineering, the content development and delivery is a combined effort of all the three parties. The French Ministry of Education has provided its technical and educational expertise by deputing a full time specialized Professor at New Horizon College of Engineering for a period of three years, who will also take on the role of the Director for the Centre of Excellence at New Horizon College of Engineering.

The Indo-French Centre of Excellence in Electricity, Automation and Energy in collaboration with Schneider Electric, was inaugurated on 12th March 2018 by Ms. Frédérique Vidal, Minister of Higher Education, Research and Innovation, Government of France, in the presence of Dr. Mohan Manghnani, Chairman, New Horizon Educational Institution and Mr. Shrinivas Chebbi, President-Partner Projects and Eco-Buildings, Schneider Electric India Pvt Ltd. Ms. Frédérique Vidal addressed and interacted with students who have enrolled for courses on Industrial Automation and advised students to be a part of Centre of Excellence to gain more hands on expertise and also to get exposure to international standards of education.

Courses Offered

- Schneider-Industrial Automation course is offered as open elective for all the engineering branches in 5th, 6th and 7th semesters in IFCEEAE.
- Industrial Automation is offered as professional elective for Electrical & Electronics Engineering students.
- A course on advanced automation, Advanced Industrial Automation and Building Automation is offered as a core subject to Electrical & Electronics Engineering stream students who will be perform real time experiments in the IFCEEAE.

Program Highlights

- Training the students in the basics for industrial automation: equipment, architecture, design, input output connection, programming language, software programming,
- Enabling the graduates to work in modern industries.
- Student Exchange Program
- Study Abroad Program
- Training the different industry partners of Schneider Electric India.
- Various Industry Institute Interaction programs in the form of FDP's, Workshops and Industrial Visits.

Hardware setup

- State of the art Lab with all Schneider electric Equipments
- 10 PLC-HMI benches - To train on Industrial Automation system design using PLC M340 and HMI GXU3512 .
- 1 pedagogical bench which is a small replication of a real industrial system. to validate the solution and programming.
- 2 SCADA pedagogical benches for study and design of supervision systems,
- 1 bench for design, study & programming of addressable fire alarm systems
- 1 bench for design, study & programming of CCTV and access control,
- 1 bench for design, study & programming of energy management
- 1 bench for design, study & programming of home automation system using Cbus.

Best Practices

- Curriculum Development and revision by industry Experts and the Director of the Indo French Schneider Lab
- Marks and credits are allocated based on completion of task and creativity in generating new real time applications.
- More emphasis on Practical learning
- Student Exchange Program- Students from various Universities of France will be given an opportunity to undergo a one month Internship at NHCE.
- Study Abroad Program- Selected students across all the branches of NHCE are sent to various universities of France for an internship of 3 months.

Students from CSE, ISE, ECE, EEE, ME, CIVIL, AU branches have chosen Vertica related courses.

VISION

To make learning as hands-on as possible in rendering students industry-ready

MISSION

- Impart hands-on training in Big-Data and Data analytics by incorporating them into the curriculum.
- Train students using the state-of-the-art software from Verica.
- Train faculty members on an ongoing basis on emerging trends in Big Data and data Analytics.

About the Company & LAB

- Vertica Systems is an analytic database management software company. Vertica's acquisition was done by Hewlett Packard in March, 2011. The acquisition expanded the HP Software portfolio for enterprise companies and the public sector group. As part of the Micro Focus-Hewlett Packard Enterprise merger, Vertica joined Micro Focus in September, 2017.
- HPE Vertica is ranked #19 out of 54 advanced analytics and data science technologies. Vertica has 32% market share and its competitors are Amazon Redshift, SQL Data Warehouse, Snowflake, SAP BW etc.
- Hadoop is an open source frame work for big data analytics. All the major companies like Facebook, Walmart migrated to Hadoop for analysing their e-commerce data.
- Vertica is designed for structured data whereas Hadoop is designed for both structured and unstructured data.
- NHCE has signed an MoU with Vertica to establish Big Data and Data Analytics Centre of Excellence with state of the technology Lab at the NHCE campus.

Courses Offered

- Big Data Analytics using Vertica
- Data Analytics
- The contents of courses are completely designed on VERTICA features and practical experiments to demonstrate —"how VERTICA is used in BIG Data scenario". An introduction to Hadoop Ecosystem is also demonstrated as part of curriculum. Complete hands-on experiments are conducted on SQOOP, PIG, HIVE, HBASE
- A portion of the curriculum is aimed for the students in management where different types of Data modeling, analytics and case studies are included apart from practical knowledge on VERTICA.

Program Highlights

- Vertica Centre of excellence is focused on giving an insight to students on two major big data platforms: VERTICA and HADOOP (open-source)
- Regular Faculty Development Programmes and Workshops conducted on Big Data technologies.
- Both circuit and non-circuit branch students learn the courses offered by this lab to make a career in data analytics.

Hardware setup

- The lab has been set up by installing their licensed data-warehousing database server 'VERTICA' as a 3-node cluster in the college.
- All the system in Vertica-lab can access this server by establishing a connection through 'putty' software.
- Hadoop environment tools are installed as Cloudera package on 4GB RAM systems in lab.

Best Practices

- Students obtain certificates from Vertica Academy after undergoing several certification courses through their online portal.
- MOOC on various Hadoop courses are encouraged.
- A self-study on Big Data Analytics is carried out as a part of the curriculum.
- Students perform analysis on real dataset using Pig Latin commands as Pig script for their self-study project work.
- All assignments, internal and Semester End examination are conducted as lab experiments.
- Faculty members also undergo various certification courses on Hadoop as well as courses from Vertica Academy
- Exclusive talks and workshops are conducted on VERTICA and HADOOP ecosystem

vmware®

Students from ISE, CSE, ECE, EEE, ME, CIVIL, AU branches have chosen VMware related courses.

VISION

Envision VMware technologies and equip students with technical skills needed for modern IT world, so individuals and communities can thrive

MISSION

To empower people to learn, collaborate and contribute to VMware's technology, enabling them to create opportunities for innovation, entrepreneurship and career development

About the Company & LAB

- VMware Inc is subsidiary of Dell Technologies and has worldwide presence with its headquarters located in Palo Alto, California, USA. The company provides Cloud Computing and platform virtualization software and services. It was the first commercially software to virtualize the x86 architecture. VMware offers ESXi as bare-metal hypervisor that runs directly on server hardware and VMware offers vSphere 6.7 software that is used to build infrastructure as cloud platform for its customers.
- VMware has awarded New Horizon College of Engineering the status of VMware IT Academy in recognition of all program participation requirements. Program Regional Manager & his team members inaugurated the VMware IT Academy at New Horizon College of Engineering on 17th Feb 2017.

Courses Offered

- VMware Virtualization Essentials – 1 as Open Elective: This course delivers VMware vSphere Install Configure Manage 6.7.
- VMware Virtualization Essentials – 2 as Open Elective: This course delivers VMware vSAN 6.7.

Program Highlights

- VMware IT Academy (VITA) is designed to introduce the students to Virtualization & Storage concepts and equip them with technical skills needed for the modern IT World.
- Faculty & Students have been granted access to Technology, Course content and softwares from VMware
- Regular Faculty Development Programmes and Workshops conducted by VMware officials.

Hardware Setup

- VMware IT Academy has setup the Lab by Installing Vmware licensed ESXi 6.7 – Hypervisor, vSphere 6.7 in the college.
- VMware IT Academy has 1 Server – Dell Server PC Tower T430/23gXKG2, 16 GB DDR4 RAM, 4TB Hard Disk, Dell LED Monitor 18.5" installed with Windows Server 2012 R2.
- All the PC's in VMware IT Academy Lab have access to the above Server by Establishing Connection with ESXi 6.7 & vSphere 6.7.
- Desktop PC's in the Lab have 1 TB, 8GB Ram, Intel i3 Processor.

Best Practices

- Students Obtain Digital Badges/Certifications from VMware IT Academy
- Cloud & Virtualization Concepts, Software Defined & Network
- VITA Day – A Technology in a Day Event is held every 6 months at VMware IT Academy.
- Curriculum Development on Latest Technologies in vSphere, vSAN & NSX.
- MOOC – An online Platform to learn the catest VM ware Technologies through the VMware IT Academy portal.
- Industrial Visit to VMware Software India Pvt Ltd.
- VMware Hackathons conducted by VMware Software India Pvt Ltd.
- Annual Project Competitions among students who undergo training on VMware ICM 6.x & VMware vSAN 6.x.
- Internship and Placement for select students at Vmware

NEW HORIZON
COLLEGE OF ENGINEERING

Bellandur Main Rd, Kaverappa Layout, Near Marathahalli, Bengaluru, Karnataka 560103 India

+91 9880534935, 080-66297777

admissionsnhce@newhorizonindia.edu

CONTACT US REGION WISE

+91 9880534935
Karnataka, Kerala, Tamil Nadu

+91 9740076446
Bihar, Jharkhand, Chattisgarh, Madhya Pradesh, Uttar Pradesh, & entire North India

+91 9740076447
Andhra Pradesh & Telangana

+91 9740076936
West Bengal, Manipur, Assam, Shillong, Meghalaya and entire East India and also Nepal & Bhutan

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