

Volume Number: I, Issue I
IT TECH TIMES
Information Technology, VCE

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision

To be a centre of excellence in core Information Technology and multidisciplinary learning and research, where students get trained in latest technologies for professional and societal growth.

Mission

To enable the students, acquire skills related to latest technologies in IT through practice-oriented teaching and training.

Programme Educational Objectives (PEOs) for IT Program

The Programme will produce graduates

- PEO1. With theoretical and practical knowledge to obtain employment or pursue higher studies and solve problems in Information Technology.
- PEO2. With effective written and oral communication skills that will help them to work in diversified and dynamic working environments.
- PEO3. With competence to succeed in their professional lives with ethical values.

Program Specific Outcomes (PSOs) for IT Program

The Students will demonstrate

- PSO1. Competency in programming using different programming languages to implement algorithms.
- PSO2. Competency in the analysis and design of a software solution using different modeling tools.
- PSO3. Competency in Electronic Design and Embedded System Design using different simulation tools.

EDITORIAL TEAM:

B. Leelavathy, Assistant Professor

G. Saatvik, Kushal - 4/4 IT-B

Yeshaswini, Lahari Reddy – 3/4 IT-A

Lahari – 2/4 IT-A

PROGRAM OUTCOMES (PO'S)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

How Block chain can be used to Store and Secure confidential Data

An emerging approach to mitigate the increasing number and sophistication of cyber threats is to harness block chain principles to strengthen security. With block chain technology data is stored in a decentralized and distributed manner. Instead of residing in a single location, data is stored in an open source ledger. It renders mass data hacking or data tampering much more difficult because all participants in the block chain network would immediately see that the ledger had altered in some way. Block chain has the potential to be a major leap forward for securing sensitive information, especially in highly regulated industries like finance, government, health and law.

In summary, insider mistakes and privilege misuse have repeatedly been the source of security breaches and are as much a vulnerability to organizations as outsider threats. In response 2018 will see the introduction of a number of regulatory initiatives aimed at clamping down on inadequate security practices.

Even though every organization has its own individual security risks requiring different defense methods for mitigating insider and outsider attacks, some common technology trends are emerging. Businesses will need to adopt more continuous protection strategies, while vendors will take advantage of the latest technology advances to create more customized and better targeted solutions.

As a consequence we should see organizations becoming more proactive about securing confidential information, especially where consumer data is concerned. Malicious insiders and hackers

alike will find their work more difficult. Stealing corporate data will take much more time and effort than it did in the past while the overall chances of being caught will also be higher.

People can use the technology for applications such as verifying that a person is of legal age, without showing their exact age, or as proof of a person's good transaction records, without revealing the exact details of those transactions- just two examples of how we can use it. When it comes to block chain technology, the possibilities are almost endless.

Finally, when we store our information on a block chain, it gives us the ability to decide whether or not we want to share our data. Our online purchases are much more secure, and although we'll still be handing over some of our personal information during these transactions, the block chain allows us to have more control over who can access it.

IoT Becomes BloT

The biggest mistake most prognosticators make is underestimating the potential for fast growth in our hyper-connected world. Automobiles took time to catch on because would-be drivers had to wait for roads and gas stations to be built.

But today's disruptive innovations rely on existing infrastructure for mobile devices that puts most companies just a few clicks from billions of consumers. One of those is the Internet of things (IoT), which involves adding smart sensors to connected devices so that users can do things like ask Amazon's Alexa digital assistant to turn off the lights or order a pizza.

But block chain, one of the underlying technologies for the hot crypto currency bit coin, can make IoT devices even more

useful. It creates a digital record across hundreds or thousands of computers, vastly reducing the risk of hacking. Combining IoT with block chain—or BloT—ushers in a whole host of new services and businesses. For example, BloT can be used to track shipments of pharmaceuticals and to create smart cities in which connected heating systems better controls energy use and connected traffic lights better manage rush hour.

In 2018, companies will begin to use Application Programming Interfaces, or software used to connect different databases and computer services. Combined with the block chain Internet of things, it will be as easy to get data from sensors in a warehouse as accessing websites on our mobile phones. When manufacturers, retailers, regulators, and transportation companies have real-time data from sensors imbedded on products, trucks and ships, everyone in the distribution chain can benefit from insights that they were previously unable to get. With BloT, companies and consumers can also be assured that their most valuable data on the blockchain cannot be hacked.

PM Narendra Modi Lauds IITs For Bringing A Technological Transformation In India

Prime Minister Narendra Modi addressed the 56th convocation ceremony of Indian Institute of Technology, Bombay (IIT-B). Modi's speech highlighted the achievements of IITs and how it transformed the technological outlook in India over the years.

“The nation is proud of the IITs, and what IIT graduates have achieved. The success of the IITs led to the creation of several engineering colleges around the country.

They were inspired by the IITs, and this led to India becoming one of the world's largest pools of technical manpower. The IITs have built Brand India globally.” said Modi, on this occasion. He praised the role of IITs in bringing new technology such as 5G, artificial intelligence, block chain technology, big data analysis and machine learning to reality and how important it will stand in India's vision of Smart Manufacturing and Smart Cities in the future.

In his speech, he also mentioned how these technical institutions were at the forefront of the best start-ups in India and their focus on innovation being the need of the hour. “Innovation is the buzzword of the 21st century. Any society that does not innovate will stagnate. That India emerging as a hub for start-ups shows that the thrust for innovation is very much there. We must build on this further and make India the most attractive destination for innovation and enterprise.

On the other hand, Modi stressed on the skills most graduates lack once they complete their courses. He insisted that this skill gap can only be bridged with quality at all levels of education and urged professionals in the industry to help academics in improving quality.

We had reported last month of a development by IIT Hyderabad, where Hyderabad City Police would be using an artificial intelligence-based programme developed by the premier institute to automatically detect motorcyclists who are driving without helmets in surveillance videos.

In another development, with an aim to establish a cloud research lab on artificial intelligence and machine learning, IIT-BHU and Amazon Internet Services Private

Limited (AISPL) signed a memorandum of understanding to develop cloud-ready job skills by providing access to the AWS Educate program.

Artificial intelligence will be reshaping business intelligence

In contemporary times, AI has the capability to bring progressive changes in the mannerism of conducting business, reshaping the entire industries with the backing of advanced technologies and software. Entrepreneurs are acknowledging that it is high time to implement a comprehensive AI strategy for their businesses; however, the main part is still on the way.

It is believed that companies having humongous volumes of operations will implement an AI strategy for at least 100,000 employees putting their job security in line. In 2018 firms will be incorporating AI applications into strategic and organizational development.

There is a high possibility that algorithms created by the best engineers or companies will be shared, bought and deployed for an organization's personal use. The sustained development in machine learning and AI technologies will be implying that business will be data-driven, and every industry will be smart. With several years of background work on prototypes and ideas, it is expected that the changes taking place will be nothing less than a breakthrough.

From healthcare to construction, banking and finance to manufacturing almost every industry will be reshaped. Things that were nothing less than a fantasy will be taking a physical manifestation. The advent of virtual assistance for patients, computation drug

discovery, and genetics research will be the ideal platform for amazing use cases in medicine. One can find several applications for automation, robotics, and data management in different industries that will be bringing significant changes.

Block chain will reveal new opportunities in different industries

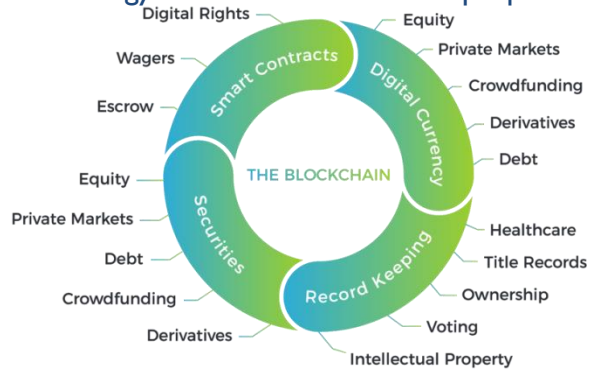
The block chain is expected to emerge as a revolutionary decentralized technology that will be storing and exchanging data for crypto currencies. It opens other possibilities that have broader implications. The block chain is a distributed database which is a digital register of transactions and contracts. It stores an ever-growing list of lists of ordered records called blocks each having a timestamp and a link to the previous block. It holds the potential to influence a wide variety of applications particularly in the field of digital transactions that will open new business opportunities in 2018.

Due to the growing role of social responsibility and security in the internet block chain technologies are gaining more relevance. A system that uses block chain, forging digital transactions is close to impossible. Hence, the credibility of such systems will grow.

This approach can lay the fundamentals of disruptive digital businesses for enterprises and start-ups. Companies that were dominant in the offline space will have the scope to the electronic version of her processes in the digital environment.

While everyone is aware of the use of block chain in crypto currency transactions and

removing intermediaries, some other applications stay practically unknown. First, look at the image below, showing several business industries that can apply the technology for various purposes.



Thus, block chain technology has a variety of industrial applications. Having been emerged not so long ago, it is going to bring innovative business models to companies of different types. Adding trust, security, and transparency, block chain opens the doors to many advantages and helps enterprises improve their business processes and solve a wide range of important tasks and challenges.

The Experience Economy

The age of the Experience Economy — the idea that businesses must orchestrate memorable encounters for their clients — is upon us.

Take, for example, the opening of a hot new restaurant. In the olden days of the early aught, just getting in was enough to earn bragging rights for most patrons. That's not the case anymore.

“We no longer want just the experience of eating there, but an experience that is unique to us that we can boast about both on social media as well as to our friends and co-workers,” says Marc Anderson, CEO

and designer of Rainfall. “The tech kicker is that we'd rather be presented this opportunity — and pay for it — than go through the time-consuming trouble of actually speaking to people to make it happen.”

Economists have typically lumped experiences in with services, but experiences are a distinct economic offering, as different from services as services are from goods. Today we can identify and describe this fourth economic offering because consumers unquestionably desire experiences, and more and more businesses are responding by explicitly designing and promoting them. As services, like goods before them, increasingly become commoditized—think of long-distance telephone services sold solely on price—experiences have emerged as the next step in what we call the *progression of economic value*. From now on, leading-edge companies—whether they sell to consumers or businesses—will find that the next competitive battleground lies in staging experiences.

And online companies are responding in kind. Google Local Guides began the process by allowing users to verify themselves as experts and connect individually with those seeking experiences. Airbnb's recent entry into the space has shown that large companies are now willing to explore how individuals can add value to their already booming experience economy ecosystem.

“I don't have to hunt antiquated websites looking for tour guides anymore or even wade through lengthy reviews,” Anderson continues. “I can just jump onto the platform I already use to find affordable lodging and build an entire vacation in one place. Get ready to see care-share and

restaurant reservation providers follow suit.”

LED in the place of projection

The myth that projection is more effective than LED still lingers in some sectors. As AV industry leaders, we have seen LED start to take center stage at events and in permanent installations throughout 2018 so far. The versatile, modular format continues to lead the way, replacing traditional projection as an alternative for more and more brands and events.

First, LED has the edge on brightness. It is less affected by light conditions than a projector because it emits its own light and manages its own brightness. This means it can function as a high-quality display for outdoor events and conferences. It's also cost-effective, with a wide-range of options to suit all budgets.

LED also comes in a range of pixel pitches, from as little as 1 mm, so you can achieve a high-quality HD finish. Plus, LED walls are easy to set up and transport with individual panels and modules that slot together easily and in a range of formations and shapes. This has endless benefits for displays at both temporary showcases and permanent spaces, with quick and easy access to maintenance points.

LED wall panels are becoming the new standard bearer in outdoor video production. Their bright image and ease of use makes them an attractive option for many different settings including: stage backdrops, advertising signs, scenic pieces, and immersive centerpieces. This increased demand for LED also means that buying or renting them is getting more and more affordable.

The brightness of LED panels is probably the main reason as to why they are

supplanting projectors as the top choice for visual production. LED panels generate their own brightness, so the image is much more vivid when it reaches the viewer, while projectors must transmit the image to a projection screen, which then has to travel to the viewer's eyes. Because light has to travel further and has to reflect off of the screen, there is a higher chance for the image to lose its brightness and crisp content.

Ambient light plays a huge factor in projection image quality, and events, such as outdoor music festivals, ballparks, stadiums, fashion and auto shows, will make a projected image more difficult to see. Another advantage that LED has over projection is that in some situations, full brightness might not even be needed for the image to pop, and while it may not be of great concern on show site, it sure makes a difference on the energy bill.

New approaches to privacy and security

The technological development boosts the importance of data, so hacking techniques become ever more progressive. The increase in numbers of devices connected to the internet creates more data but also makes it more vulnerable and less protected. IoT gadgets are getting more popular and widely used, yet they remain extremely insecure in terms of the data privacy. Any large enterprises are constantly under threat of hack attacks, as it happened with uber and Verizon in 2017.

Luckily, the solutions are achievable, and this year we will see great improvements in the data protection services. Machine learning will be the most significant security trend establishing a probabilistic, predictive approach to ensuring data security.

Implementing techniques like behavioral analysis enables detecting and stopping an attack capable of bypassing the static protective systems.

Block chain brought our attention to a new technology called zero knowledge proof which will further develop in 2018 enabling transactions that secure users' privacy using mathematics. Another new approach to safety is known as CARTA (Continuous adaptive risk and trust assessment).

It is based on a continuous evaluation of the potential risks and the degree of trust, adapting to every situation. This applies to all business participants: from the company's developers to partners. Although our security is still vulnerable, there are promising solutions that can bring better privacy into our lives.

The most common systems protecting the networks and data in today's firms are most likely based on technology that is more than a decade old. Attackers are getting around companies' data security measures, whether by exploiting trusted third-party systems—as with the breaches of the U.S. Office of Personnel Management and Target—or by fooling employees into executing code—a technique seen in many cyber-espionage attacks.

Over the past three decades, as companies have created new security technologies to help defend businesses and consumers, attackers have quickly adapted. While most technologies raise the bar that attackers must vault to compromise a business network or a consumer system, security technology has largely failed to blunt their attacks.

Smart Home Technology

SMART home technology use devices connected to the Internet of things (IoT) to

automate and monitor in-home systems. It stands for *Self-Monitoring Analysis and Reporting Technology*. SMART home technology allows users to control and monitor their connected home devices from SMART home apps, smart phones, or other networked devices. Users can remotely control connected home systems whether they are home or away. This allows for more efficient energy and electric use as well as ensuring your home is secure. SMART home technology contributes to health and well-being enhancement by accommodating people with special needs, especially older people. SMART home technology is now being used to create *SMART cities*. A Smart city functions similar to a SMART home, where systems are monitored to more efficiently run the cities and save money.

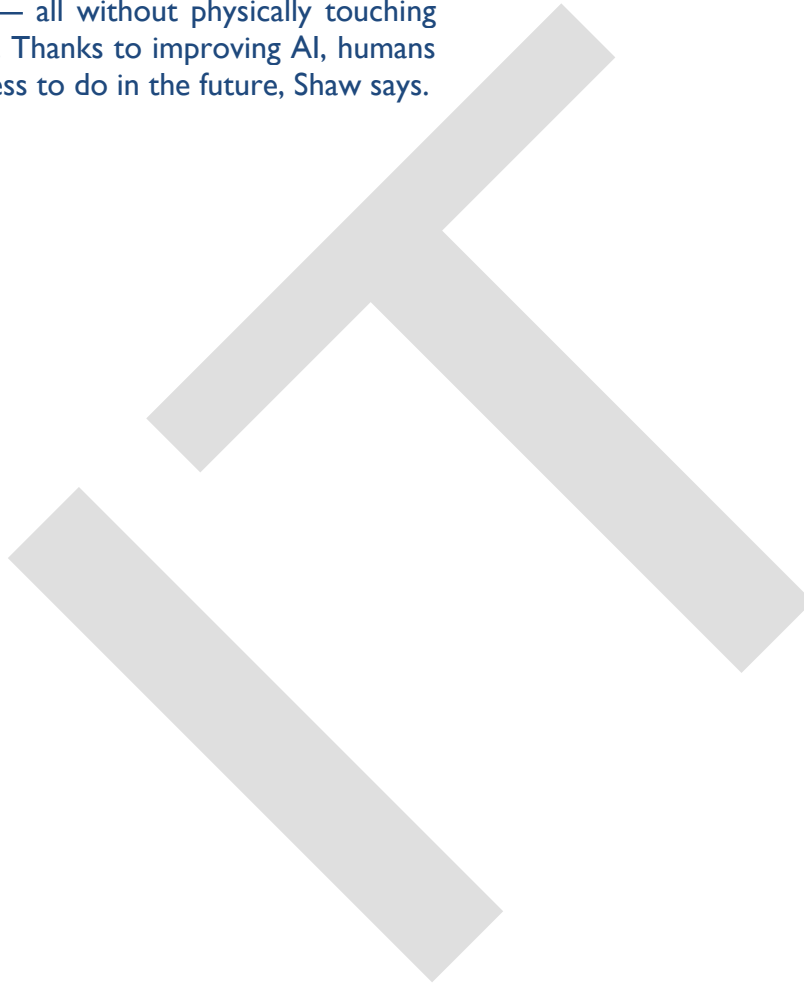
Forget about getting up to turn off the lights — now you can turn on your AC before you leave your office to ensure your home is cool by the time you get home. That kind of convenience is a huge reason why smart home technology is becoming more common in modern households.

“We’ve seen the market flooded with Internet of Things (IoT) solutions in 2018,” Shaw says. “Home appliances, light bulbs, water filtration systems, air conditioners, furnaces, indoor/outdoor thermometers, and home security systems are just a few of the many examples of IoT in the home. IoT devices will be a key component to AI in the future. Much like fingers to a human, IoT will serve AI solutions in two key areas — one being that IoT provides *sensors* in the environment. Sensors are able to track changes, take temperatures, report movements, monitor operations, and report configurations. For example, an IoT-enabled thermostat would be able to

provide AI technology with data that could be used to discover improved energy efficient methods for cooling or heating a home.”

The second key area is that IoT provides the ability to execute a command. Lights can be turned on or off, thermostats can be adjusted, and vacuum cleaners can be operated — all without physically touching the device. Thanks to improving AI, humans will have less to do in the future, Shaw says.

“After defining an improved configuration setting for a thermostat, for example, an AI solution will be able to send that configuration change to the thermostat. The thermostat would then execute the change to its configuration without any human intervention.”



DEPARTMENTAL ACTIVITIES**ALUMNI ACTIVITY**

- Ms. Ms. Prasagnya, Ms. P. Smayana, Ms. Priyanka Savla from Oracle, Mr. S. Tarun Kumar from Accolite, an alumnus of IT from the batch of 2017, working as a software engineer, conducted a talk and gave tips **on how to crack Accolite & Oracle Interview** for B.E. 3/4 IT A & B on 7th July 2018.
- Mr. Akshay M, Software Engineer, Salesforce an alumni of IT from 2017 batch, conducted a talk on how to **prepare for Salesforce Interview** for the students of B.E. 4/4 IT A & B on 30th August 2018
- Ms. Anusha Rallabandi, Software Engineer, JP Morgan & Chase, an alumni of IT from 2017 batch, conducted an alumni activity on the topic **'CODING SKILLS FOR IT'** for B.E. III sem IT A & B students.
- Mr. Manisai Tejaswy, Software Engineer, Service Now, an alumni of IT from 2017 batch conducted a talk on 'Voice Recognition and an Introduction to Google Dialogflow' (Building a small application for Voice Recognition) for B.E. V-Sem students on 27th October 2018

I. CO CURRICULAR/ PROFESSIONAL BODY ACTIVITIES

- A Workshop on 'Advanced Python' under CSI Professional Body Activity on 11th August 2018, students of B.E. V Semester attended the workshop in QEEE hall which was addressed by Mr. Amar Sharma, Founder & CEO, WOIR Software Pvt. Ltd. & Adjunct Faculty, IT-VCE, Hyderabad.
- Virtual Labs Workshop was conducted by Virtual Lab Team – IIIT, Hyderabad by Mr. RaviShankar-Project Manager along with his team for the students of all branches at Vasavi College of Engineering on 29th August 2018.
- A Seminar on 'Career Guidance' by Byju's App under CCA Activity was conducted by Mr. Sai Kiran, Sr. Manager Operations, & team from Byju's app along with his team for students of B.E. III-Sem & V-Sem on 4th September 2018.

2. Workshops/ Conferences / Seminars attended

- A 2 day Workshop on **'Python'** was conducted for B.E. V Semester IT students on 27th & 28th July 2018, the resource person was Mr. Amar Sharma, Adjunct Faculty Founder & CEO, WOIR Software Pvt. Ltd., Hyderabad.

- A seminar on **Advanced Data Structures** was conducted for B.E. III-Semester IT Students on 28th July 2018 and the resource person was Dr. K. Raghavendra Kune, Adjunct Professor-IT-VCE & Scientist/Engineer S/F, ADRIN, ISRO, Hyderabad.
- An Expert Lecture on Branch Specific Topic was conducted for students of B.E. I-Semester I & J Sections on 31st July 2018
- A Seminar on **Career Development and Study in Abroad** was organized by Vasavi College of Engineering on 8th August 2018, the students of B.E. 4/4 attended which was addressed by Mr. Marthala Vishnu Vardhan Reddy, Software Engineer, DMG MORI Software Solutions GmbH, Pfronten, Germany
- A guest lecture on C++, Object Oriented Programming concepts was addressed by Dr. K. Raghavendra Kune, Adjunct Faculty-IT-VCE & Scientist/Engineer S/F, ADRIN, ISRO, Hyderabad. For B.E. III-Sem. IT Students on 11th August 2018
- A Guest Lecture on 'Cloud Computing Virtualization' was conducted by department of IT for B.E. 4/4 students by the resource person Dr. K. Raghavendra Kune, Adjunct Faculty-IT-VCE & Scientist/Engineer S/F, ADRIN, ISRO, Hyderabad. On 1st September 2018.
- A Guest Lecture on 'Cloud Architecture' was conducted by department of IT for B.E. 4/4 students by the resource person Dr. K. Raghavendra Kune, Adjunct Faculty-IT-VCE & Scientist/Engineer S/F, ADRIN, ISRO, Hyderabad. On 15th September 2018.
- A Guest Lecture on 'Public Cloud, RMI & Sample projects' was conducted by department of IT for B.E. 4/4 students by the resource person Dr. K. Raghavendra Kune, Adjunct Faculty-IT-VCE & Scientist/Engineer S/F, ADRIN, ISRO, Hyderabad. On 22nd September 2018.

Sl. No	Date	Details of Seminar / workshop / Guest Lecture etc.	Name of the Eminent Person and organization who have addressed	Target Audience
1	11.10.2018	Hackathon on Code Optimization	Mr. Nagveer and team from Campus Corporate Connect.	V-Sem IT A&B Students
2	12.10.2018	CCA Activity: Hackar Rank Challenge		III-Sem A&B Students
3	27.10.2018	CCA Activity: Hackar Rank Challenge		V-Sem IT A&B Students

4	26-27 October, 2018	2 Day Workshop on 'Big Data Analytics using Hadoop' under Computer Society of India (CSI) Student's Chapter Activities for the month of October 2018	Mr. Amar Sharma, Founder & CEO WOIR Software India Pvt. Ltd	IV Year I-Sem. IT Students
5	27.10.2018	Cloud Literacy Day-2018	Mr. Balaji, Relationship Manager, ICT Academy	III-Sem A&B Students

3. Others

- Students from B.E V-Sem named kiranmayi anupindi, Vishwanatham Sarika and M. Lahari Reddy were nominated for WISE session for the academic year 2018-19.
- Course on "Basics of Entrepreneurship - Start your own venture" an orientation session for students who were very serious about starting a venture was conducted on 14th august 2018 by Mr. Vikram Mishra, Consultant to ED for students of III-Sem & V-Sem
- Basics of Entrepreneurship Course under Entrepreneurship, Wadhvani foundation was conducted by Mr. Vikram Mishra, Consultant to ED for students of III-Sem & V-Sem from 23rd – 25th august 2018.

a) Students Participation/Achievements(Co-curricular/Extracurricular/Other) :

The following B.E V-Sem. students nominated as mentees for offline WISE program for the academic year 2018-19 and mentors are Mrs. D.R.L. Prasanna, Asst. Prof. and Mr. Rakesh Dharma Reddy, Asst. Prof.

S. No.	H.T. No.	Student Name
1	1602-16-737-045	B Shreya
2	1602-16-737-052	K. Swetha
3	1602-16-737-060	K. Yashaswini
4	1602-16-737-070	J. Deekshitha
5	1602-16-737-072	M. Divija

Sl. No	Date	Details of Seminar / workshop /Guest Lecture etc.	Name of the Eminent Person and organization who have addressed	Target Audience
I	12.11.2018	Technical Session and interview workshop on 'Artificial Intelligence & Workshop on Winning Resumes & Interview Soft Skills' in QEEE Seminar Hall, VCE	Mr. Bhaskar Rao Barla, Software Manager, Oracle Corporation	2020 batch students with Oracle Selected students from 2019 batch

b) Students Participation/Achievements(Co-curricular/Extracurricular/Other) :

- The following students got Merit Certificates for participation in the Clubs competitions held in 2017-18 II-Year II-Semester.

S. No.	Club Name	Roll No.	Student Name	Prize Details
1	Math Crossword Puzzle-Math Club	1602-16-737-009	E. Bhargav Sai	2 nd Prize
2		1602-16-737-307	P. Arun Kumar	2 nd Prize
3		1602-16-737-067	Ch. Sai Raj	3 rd Prize
4		1602-16-737-120	M Vishnu Vardhan	3 rd Prize
5	Creative Writing in Writers Club	1602-16-737-047	K. Sreeram	1 st Prize
6		1602-16-737-008	Y. Apuroop kumar	3 rd Prize
7	Science Quiz in Science Club	1602-16-737-013	P. Harish Babu	1 st prize
8		1602-16-737-025	P. Naresh Kumar	1 st prize
9		1602-16-737-118	M. Vikas	1 st prize
10		1602-16-737-073	Jairaj Reddy	2 nd Prize
11	Pencil Shading in Arts Club	1602-16-737-024	Mehraj Sultanna	3 rd prize
12		1602-16-737-102	V. Sarika	3 rd prize
13		1602-16-737-112	R. Susheel	consolation prize
14		1602-16-737-115	K. Varsha Reddy	consolation prize

15	Quest - Quiz club	1602-16-737-039	Vishal	2 nd prize
16	MUN Club	1602-16-737-309	M Thirupathi	High Commendation
17		1602-16-737-308	Shaik Omer Farooq	High Commendation

- **Mr. B. Shubham Singh (H.T. No. 1602-15-737-045), Mr. Abishek Vanam (1602-15-737-002) & Mr. Shishir H (1602-15-737-098)** students of B.E. IV Year I-Semester Information Technology won **2nd Prize (Rs. 2 Lacs)** in **MasterCode-A National Coding and Hackathon Contest** held by Cognizant on 11th August, 2018 at Hyderabad.
- The following students of B.E. IV Year I-Semester Information Technology won **1st Prize (One MacBook Pro for each student)** and **3rd Prize (Bluetooth Speakers for each student)** in **KONY-AMWAY App Playground Hackathon (36 Hrs)** held on 19-21 July, 2018 at VCE (Already mentioned but prize details were not given in the last month)

First Prize Winners
VLAKSHMI PRAVALIKA [1602-15-737-075]
B SAI TEJA [1602-15-737-090]
K SANTHOSH SAI TEJA [1602-15-737-096]
B SUSHMA [1602-15-737-110]

Third Prize Winners
M ABHIJITH CHANDRA [1602-15-737-001]
CH PAVITHRA [1602-15-737-031]
V SRAVYA [1602-15-737-047]
HARITHA V [1602-15-737-068]




CONGRATULATIONS

Department of Information Technology
 Vasavi College of Engineering(A)
 Borahimbagh, Hyderabad - 51

LETTER OF COMMENDATION

August 16, 2018

The HoD and staff congratulate **Mr. B. Shubham Singh (H.T. No. 1602-15-737-045), Mr. Abishek Vanam (1602-15-737-002) & Mr. Shishir H (1602-15-737-098)** students of B.E. IV Year I-Semester Information Technology on their achievement on winning **2nd Prize (Rs. 2 Lacs)** in **MasterCode-A National Level Coding and Hackathon Contest** held by Cognizant on 11th August, 2018 at Hyderabad.

1602-15-737-002
1602-15-737-045
1602-15-737-098

(Dr. K. Ram Mohan Rao)
HoD, Dept. of IT

CONGRATULATIONS





Department of Information Technology
 Vasavi College of Engineering(A)
 Borahimbagh, Hyderabad - 51

LETTER OF COMMENDATION

August 18, 2018





The HoD and staff congratulate the following students of B.E. IV Year I-Semester Information Technology on their achievement on winning **1st Prize (One MacBook Pro for each student)** and **3rd Prize (Bluetooth Speakers for each student)** in **KONY-AMWAY App Playground Hackathon (36 Hrs)** held on 19-21 July, 2018 at VCE.

First Prize Winners

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B SUSHMA
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1602-15-737-031
V SRAVYA
1602-15-737-047
HARITHA V
1602-15-737-068

(Dr. K. Ram Mohan Rao)
HoD, Dept. of IT

- The following student volunteers from our department attended the SWAYAM office Inauguration at Kios Corner.

V-Sem students

1602-16-737-046 – Shreya
1602-16-737-007 – Vinay
1602-16-737-052 – Swetha

IV Yr. I-Sem Students

1602-15-737-026-Nikitha
1602-15-737-036-Sahithi
1602-15-737-059-Yamini

FACULTY DEVELOPMENT PROGRAMMES

- A Five-day Faculty Development Programme (FDP) on **Virtualization using vSphere 6.0** in collaboration with ICT Academy was conducted by Dept of IT from 24th – 28th September 2018, the FDP session was addressed by Mr. Shanmughavel. S Training Manager. Around 34 participants (from other colleges and in-house staff) attended the programme
- A one week Faculty Development Programme (FDP) on **Machine Learning using Python** in association with NIT, Warangal, under the Scheme of Electronics & ICT (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI) was conducted by Dept of IT from 29th Nov to 5th December 2018 with a team of resource persons as per scheduled Mr. I.Sri Saya Srineevasulu, Industry Expert, Bangalore, Dr S Nagesh Bhatt, IDRBT, Hyderabad, Mr Anup J Kelkar, Industry Expert, Nagpur with total 51 Participants (35 from other colleges and 16 from in-house)

FACULTY PUBLICATIONS

- Dr. Kovvur Ram Mohan Rao published a Springer Lecture Notes on Data Engineering and Communications Technologies Series titled “ Multi Keyword Search on Encrypted Text without Decryption” on 15th August 2019.
- Dr. KASIREDDY SHYAM SUNDER REDDY published a paper in Elsevier titled “StreamSW: A Density-based Approach for Clustering Data Streams over Sliding Windows Measurement” on 20th November 2018.
- Ms. SENIGALAKURUBA CHAYADEVI published a paper in International journal of Bio medical imaging, titled “Review On segmentation of nodule from Posterior and Anterior chest radiographs” on 18th October 2018.
- Dr. VAKULABHARANAM VENKATA KRISHNA published a paper titled “Efficient Face Recognition by Compact Symmetric Elliptical Texture Matrix (CSETM)” on 1st July 2018.
- Dr. KASIREDDY SHYAM SUNDER REDDY published a paper in Journal of Theoretical and Applied Information Technology titled “RTDBStream: A Real-time Density-based Clustering for Evolving Data Streams” on 30th June 2018.
- Dr. VAKULABHARANAM VENKATA KRISHNA published a paper titled “Face Recognition based on Cross Diagonal Complete Motif Matrix” in I.J. Image, Graphics and Signal Processing, 2018, on 1st March 2018.
- Dr. VAKULABHARANAM VENKATA KRISHNA published a paper titled “Face recognition approaches: A survey International Journal of Engineering & Technology” on 1st March 2018.
- Ms. B LEELAVATHY, published a paper titled “A Brief Survey on Different Applications of Machine Learning” in International Journal of Computer & Mathematical Sciences on 15th February 2018.

- Dr. VAKULABHARANAM VENKATA KRISHNA published a paper titled “Survey on Recent Advances in Content Based Image Retrieval Techniques” in Journal of Innovation in Computer Science and Engineering on 7th February 2018.
 - Dr. VAKULABHARANAM VENKATA KRISHNA published a paper titled “Calculation of Texture Features for Polluted Leaves” in International Journal of Scientific Computer Science and Engineerin Research on 1st February 2018.
 - Dr. KASIREDDY SHYAM SUNDER REDDY published a paper titled “MCDASStream: A Real-time Data Stream Clustering based on Micro-Cluster Density and Attraction” in International Journal of Engineering &Technology on 1st January 2018.
- As part of Engineer’s Day celebrations 2018, three events were conducted by department of IT under Professional Body Activities for students of B.E. 2/4 IT with an activity named Tech Buzz Contest on 18th august 2018, B.E. 3/4 IT with activity named Robocode Contest on 25th august 2018 & B.E. 4/4 IT with activity named Essay Writing Competition on 8th September 2018 and prizes were announced among each activity.

Winners Details are as follows:

Sl. No	Activity	Name & Roll Number of the Student	Class	Prize Details
1	Tech Buzz Contest [18.08.18]	M F Junaid [1602-17-737-020]	B.E 2nd Yr IT-A	I Prize
		S Abhijit [1602-17-737-043]		
		A NikhitaReddy [1602-17-737-087]	B.E 2nd Yr IT-B	II Prize
		K Rishitha Reddy [1602-17-737-094] Y Sai Rachana [1602-17-737-098]	B.E 2nd Yr IT-B	III Prize
2	Robocode Contest [25.08.18]	Y Aakarsh 1602-16-737-061	B.E 3rd Yr IT-B	I Prize
		V Sarika 1602-16-737-102		
		K Sai Teja [1602-16-737-099]	B.E 3rd Yr IT-B	II Prize
		S Manikanth Kumar [1602-16-737-082]		
		B Devika [1602-16-737-071]	B.E 3rd Yr IT-B	III Prize
		B Sanjana [1602-16-737-100]		
3	Essay Writing Competition [08.09.18]	Nikitha K [1602-15-737-026]	B.E 4th Yr IT-A	I Prize
		Shishir H [1602-15-737-098]	B.E 4th Yr IT-B	II Prize
		Chetan Sairam A [1602-15-737-012]	B.E 4th Yr IT-A	III Prize

- An interactive session was from IV Yr. IT A&B were participated in interaction session from our department with Ms. Anuradha Sharma, Corporate Affairs & CSR, Cisco who visited our college on 27.09.2018.

S. No.	H.T. No.	Student Name	S. No.	H.T. No.	Student Name
1	1602-15-737-001	M ABHIJITH CHANDRA	6	1602-15-737-075	PRAVALIKA LAKSHMI V
2	1602-15-737-	SAI ABHISHEK K	7	1602-15-737-	PRIYANKA

	037			086	NAHATA
3	1602-15-737-047	VALLAPUREDDY SRAVYA	8	1602-15-737-089	GSACHITH KRISHNA
4	1602-15-737-073	KRUSHI RAJ TULA	9	1602-15-737-098	SHISHIR H
5	1602-15-737-080	MD. MUFFAKHAM ALI FARHAN	10	1602-15-737-101	SRAVYA SREE P

